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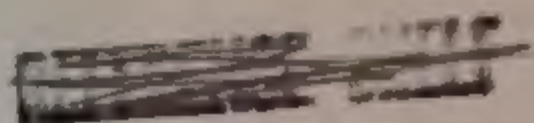
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National Data Book and
Guide to Sources



STATISTICAL ABSTRACT OF THE UNITED STATES 1989

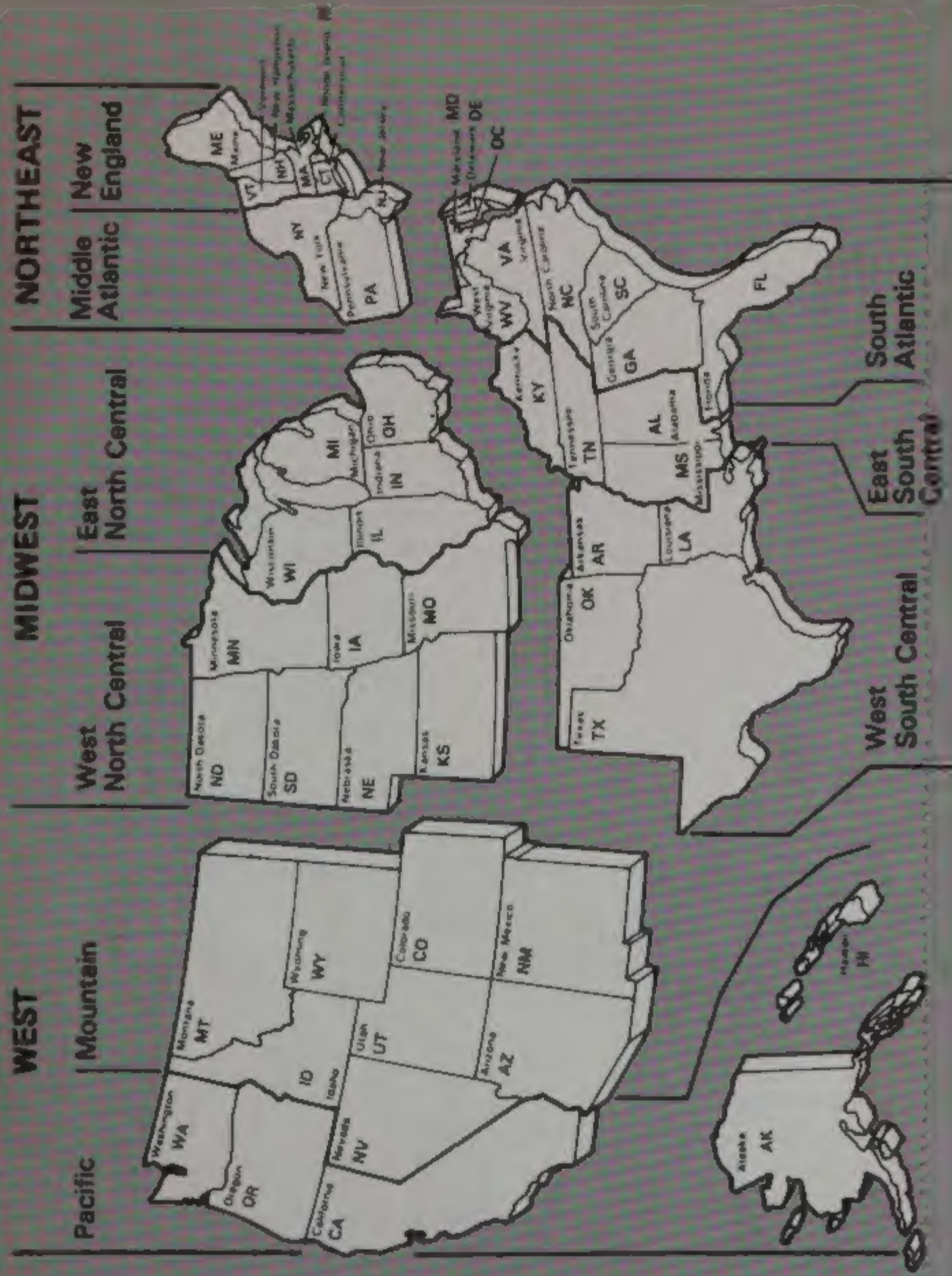
109th Edition



U.S. DEPARTMENT
OF COMMERCE

BUREAU OF
THE CENSUS

Figure 1.
**Map of the
 U.S., Showing
 Census
 Divisions and
 Regions**



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Preface

The *Statistical Abstract of the United States*, published since 1878, is the standard summary of statistics on the social, political, and economic organization of the United States. It is designed to serve as a convenient volume for statistical reference and as a guide to other statistical publications and sources. The latter function is served by the introductory text to each section, the source note appearing below each table, and Appendix I, which comprises the Guide to Sources of Statistics, the Guide to State Statistical Abstracts and the Guide to Foreign Statistical Abstracts.

This volume includes a selection of data from many statistical publications, both governmental and private. Publications cited as sources usually contain additional statistical detail and more comprehensive discussions of definitions and concepts than can be presented here. Data not available in publications issued by the contributing agency but obtained from unpublished records are identified in the source notes as "unpublished data." More information on the subjects covered in tables so noted may generally be obtained from the source.

Except as indicated, figures are for the United States as presently constituted. Although emphasis in the *Statistical Abstract* is given primarily to national data, many tables present data for regions and individual States and a smaller number for metropolitan areas and cities. Appendix II, Metropolitan Area Concepts and Components, presents explanatory text, a complete current listing and population data for metropolitan statistical areas (MSA's) the primary metropolitan statistical areas (PMSA's), and the consolidated metropolitan statistical areas (CMSA's). Table 36 in section 1 presents selected population characteristics for MSA's with population of 250,000 or more. Statistics for the Commonwealth of Puerto Rico and for outlying areas of the United States are included in many State tables and are supplemented by information in section 30. Additional information for States, cities, counties, metropolitan areas, and other small units, as well as more historical data, are available in various supplements to the *Abstract* (see inside back cover).

USA Statistics in Brief, 1989, the pocket-size loose insert in front of the book, is available separately. Price and ordering information can be obtained from U.S. Bureau of the Census, Customer Services, Washington, DC 20233. A 25 percent discount will be allowed on orders of 100 copies or more sent to the same address.

Changes in this edition.—We have expanded largely our presentation of data on certain subjects, including marriage and divorce, AIDS, and housing. New areas covered are age differences of bride and groom; divorce rates by sex and age; State government appropriations for AIDS; mortgage characteristics by characteristics of householder; and home improvements and repairs. In addition, a special effort has been made to include results of the 1988 presidential election in section 8. Results from the 1987 economic census will appear in the 1990 *Statistical Abstract*. We have restructured the Table of Contents to emphasize all new tables introduced in this edition. Each Abstract subject section shows title, table number and page number of all new tables. In all, there are 106 new tables distributed among 27 of the 31 sections. In addition, we have designed a new appendix to indicate tables in the 1988 edition which have been omitted from this 1989 edition. Appendix V lists, by Abstract section, the table title, table number and page number of the 81 omitted tables. These omissions represent primarily tables for which comparable details appear in other tables or for which no recent data are available, or tables for which the subject matter shown was considered relatively less important in light of space requirements for presentation. Again this year the index, beginning on page 920, has undergone considerable review. The review and consequent revisions have been geared toward industry data. A core set of entries by industry (e.g., employees, foreign trade, producer prices) was developed to provide more consistency among the industry entries. In addition, the number of entries under "Rankings" has been increased.

Inserted in this edition is the sixth user questionnaire survey that has been taken periodically to enable us to obtain your suggestions on various aspects of the *Abstract*. Your input will enable us to keep the *Abstract* useful to you as a data user. If the questionnaire is no longer in this publication, you may obtain one by writing U.S. Bureau of the Census, Statistical Compendia Staff, DUSD, Washington, DC 20233.

Statistics in this edition are generally for the most recent year or period available, 1988. Each year almost 1,500 tables and charts are reviewed and evaluated; new tables of current interest are added, continuing series are updated, and less timely data are corrected or eliminated. Text notes and appendixes are revised as appropriate.

Historical statistics.—Specific headnote references in this *Abstract* link many tables with data shown in *Historical Statistics of the United States, Colonial Times to 1970*. (See Appendix A, pp. 915 and 916.)

Statistics for States and metropolitan statistical areas (MSAs).—Data for States and MSAs may also be found in the *State and Metropolitan Area Data Book, 1986*.

Statistical reliability and responsibility.—The contents of this volume were taken from many sources. All data from either censuses and surveys or from administrative records are subject to error arising from a number of factors: Sampling variability (for statistics based on sample surveys), nonresponse errors in the data for individual units, incomplete coverage, nonresponse, imputations, and rounding error. (See also Appendix III, pp. 900–914.) The Bureau of the Census cannot assume responsibility for the accuracy or limitations of the data presented here, other than for the data it collects. The responsibility for selection of the material and for proper presentation, however, rests with the Bureau.

For additional information on data presented.—Please consult the source publications available in local libraries or write to the agencies indicated in the source notes. Write to the Bureau of the Census only if it is cited as the source.

Suggestions and comments.—Users of the *Statistical Abstract* and its supplements (see back cover) are urged to make their data needs known for consideration in planning future editions. Suggestions and comments for improving coverage and presentation of data should be sent to the Director, U.S. Bureau of the Census, Washington, DC 20233.

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APPROXIMATE CONVERSIONS

[For information regarding conversion, call or write the Office of Metric Programs, U.S. Department of Commerce, Washin 20230 (202-377-3036)]

Customary		Metric		Metric		Custom	
Inches (in)	x	25.400	= millimeters	Millimeters (mm)	x	.039	= inch
Feet (ft)	x	.305	= meters	Meters (m)	x	3.281	= feet
Yards (yd)	x	.914	= meters	Meters (m)	x	1.094	= yards
Miles (mi)	x	1.609	= kilometers	Kilometers (km)	x	.621	= mile
Square inches (in ²)	x	6.452	= sq centimeters	Sq centimeters (cm ²)	x	155	= sq inch
Square feet (ft ²)	x	.093	= sq meters	Square meters (m ²)	x	10.764	= sq feet
Square yards (yd ²)	x	.836	= sq meters	Square meters (m ²)	x	1.196	= sq yards
Acres	x	.405	= hectares	Hectares (ha)	x	2.471	= acres
Cubic feet (ft ³)	x	.028	= cu meters	Cu meters (m ³)	x	35.315	= cu feet
Cord (cd)	x	3.626	= cu meters	Liters (l)	x	1.057	= quarts (qt)
Quarts (qt) (qt)	x	.946	= liter	Cu meters (m ³)	x	264.172	= gallons
Gallons (gal)	x	.004	= cu meters	Grams (g)	x	.035	= ounce (avo)
Ounces (avdp) (oz)	x	28.350	= grams	Kilograms (kg)	x	2.205	= pounds (avo)
Pounds (avdp) (lb)	x	.454	= kilograms	Kilowatts (kW)	x	1.341	= horsepower
Horsepower (hp)	x	746	= kilowatts	Degrees Celsius	x	9/5 + 32	= degrees Fa
Degrees Fahrenheit (-32)	x	5/9	= degrees Celsius				

UNITED STATES LENGTH AND AREA

Customary		Metric		Metric		Custom	
Inch (in)	=	25.400 millimeters	Millimeter (mm)	=	.001 meter	= .039 inch	
Foot (ft)	=	12 in = 305 meter	Centimeter (cm)	=	.01 meter	= .394 inch	
Yard (yd)	=	36 in or 3 ft = 914 meter	Decimeter (dm)	=	1 meter	= 3.937 inches	
Mile (mi)	=	5,280 ft = 1.609 kilometers	Meter (m)	=		= 3.281 feet	
In ² (sq in)	=	6.452 cm ²	Kilometer (km)	=	1,000 meters	= .621 mile	
Ft ² (sq ft)	=	.093 m ²	Sq millimeter (mm ²)	=	.000001 m ²	= .002 sq in	
Yd ² (sq yd)	=	.836 m ²	Sq centimeter (cm ²)	=	.0001 m ²	= .155 sq in	
Acres	=	43,560 sq ft = 405 ha	Sq decimeter (dm ²)	=	.01 m ²	= 15.5 sq in	
Mile ² (sq mi)	=	640 acres = 2,560 km ²	Sq meter (m ²)	=		= 10.764 sq ft	
			Hectare (ha)	=	10,000 m ²	= 2.471 acres	
			Sq kilometer (km ²)	=	1,000,000 m ²	= .386 sq mi	

UNITS OF WEIGHT (OR MASS)

Customary		Metric		Metric		Custom	
Grain		Avoirdupois ¹		Gram (g)		= .035 oz avdp	
Ounce (oz avdp)	=	437.5 grains	= 28.350 grams	Dekagram (dag)	=	10 g	= .353 oz avdp
Pound (lb avdp)	=	7,000 grains	= 454 kilogram	Hectogram (hg)	=	10g =	= .322 oz troy
Hundredweight (cwt)	=	100 pounds	= 45.358 kg				= 3.527 oz avdp
Ton, short (tn)	=	2,000 pounds	= .907 metric ton				or 3.215 oz troy
Ton, long	=	2,240 pounds	= 1.016 metric tons	Kilogram (kg)	=	1,000 g	= 2.205 lb avdp
Ounce (oz troy) ²	=	480 grains	= 31.104 grams	Metric ton	=	1,000 kg	or 2,679 lb troy
Pound (lb troy)	=	5,760 grains	= .373 kilogram				= 1.102 short t
		or 12 ounces					or .984 long ton

UNITS OF CAPACITY

Customary		Metric		Customary		Metric
Liquid				Dry		
Fluid ounce (fl oz)	=	29.574 mL		Pint (pt)	=	.551 dm ³
Pint (pt)	=	16 fl oz = .473 liter		Quart (qt)	=	2 pints = 1.101 dm ³
Quart (qt)	=	32 fl oz or 2 pt = .946 liter		Peck (pk)	=	8 quarts = 8.810 dm ³
Gallon (gal)	=	8 pt or 4 qt = 3.786 liters		Bushel (bu)	=	32 quarts = 36.598 dm ³
Metric			Oz	g		
Milliliter (mL)	=	.001 liter	=		=	.035 pt (dry)
Liter (L)	=		=		=	.308 qt (dry)
Hectoliter (hL)	=	100 liters	=		=	90.808 qt (dry)

¹For weighing ordinary commodities. ²For weighing precious metals, etc. ³Also known as the cu

The following symbols used in the tables throughout this book, are explained in condensed form in footnotes to the tables where they appear.

- Represents zero or rounds to less than half the unit of measurement shown.
 - B Base figure too small to meet statistical standards for reliability of derived figure.
 - D Figure withheld to avoid disclosure of information pertaining to a specific organization or individual.
 - NA Data not enumerated, tabulated, or otherwise available separately.
 - NS Percent change irrelevant or insignificant.
 - S Figure does not meet publication standards for reasons other than that covered by symbol B, above.
 - X Figure not applicable because column heading and stub line make an entry impossible, absurd, or meaningless.
 - Z Entry would amount to less than half the unit of measure shown.
- In many tables, details will not add to the totals shown because of rounding.

Example of table structure:

Table Number and title } NO. 57. HOUSEHOLDER AND MARITAL STATUS OF POPULATION, 15 YEARS OLD AND OVER: 1967

Unit indicator } [In thousands, except percent. As of March. See headnote, table 51]

HOUSEHOLDER AND MARITAL STATUS	Total, 15 yrs. and over, 1	MALE					FEMALE				
		Total	20-24 years	25-44 years	45-64 years	65 yr. and over	Total	20-24 years	25-44 years	45-64 years	65 yr. and over
Total persons	106,898	56,389	9,468	37,871	21,488	11,578	50,509	8,869	38,987	22,472	19,267
Householder	86,479	51,735	2,884	38,851	19,304	10,487	27,744	1,915	10,348	8,774	6,511
Single	12,071	5,865	1,234	3,514	734	381	5,086	1,356	3,385	801	603
Married, spouse present	51,837	48,573	1,522	22,405	18,371	8,197	2,964	239	1,630	917	280
Married, spouse absent	4,208	1,569	58	815	508	186	2,838	152	1,535	708	227
Widowed	11,291	1,721	-	41	363	1,317	9,570	5	382	2,365	6,818
Divorced	10,374	3,897	77	2,088	1,351	383	4,487	184	3,455	2,281	803
Not householder	20,419	27,824	8,815	9,808	2,124	1,091	22,765	7,954	28,252	14,898	7,867
Single	37,114	39,801	8,158	5,058	514	135	18,313	4,634	2,922	411	285
Married, spouse present	63,035	3,713	277	1,898	880	479	48,322	2,989	24,303	15,588	6,185
Married, spouse absent	1,847	1,021	106	839	188	87	825	156	423	141	82
Widowed	1,852	289	11	35	38	305	1,553	3	89	338	1,252
Divorced	3,261	1,898	68	1,121	405	104	1,562	151	844	342	117
PERCENT DISTRIBUTION											
Total persons	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Householder	47.8	89.1	30.4	78.8	80.1	80.8	23.5	18.4	26.8	28.8	51.9
Single	6.5	6.7	12.8	8.3	3.4	2.4	6.3	13.8	8.7	2.6	3.7
Married, spouse present	27.8	84.4	16.0	58.5	78.4	70.8	3.9	2.4	4.2	3.5	1.8
Married, spouse absent	2.3	1.8	.8	2.2	2.4	1.8	2.7	1.5	4.0	3.0	1.4
Widowed	8.0	1.9	-	.1	.7	11.4	9.8	.1	.8	10.2	41.8
Divorced	5.6	4.3	.8	5.6	6.2	3.4	6.7	1.7	9.0	8.6	3.7
Not householder	52.1	20.8	69.6	21.4	19.5	19.4	76.5	80.6	73.2	71.1	48.1
Single	18.9	22.5	84.8	13.4	2.4	1.2	16.8	47.0	8.8	1.8	1.8
Married, spouse present	28.4	4.2	2.0	5.2	4.5	4.1	25.7	30.4	82.7	68.3	37.8
Married, spouse absent	1.0	1.1	1.1	1.7	.8	.6	.8	1.6	1.1	.8	.4
Widowed	1.0	.4	.1	.1	.2	2.8	1.9	.2	.2	1.0	7.8
Divorced	1.7	1.8	.7	3.0	1.8	.9	1.6	1.5	2.4	1.5	.7

Footnote → { - Represents or rounds to zero. 1 Includes 15-19 year olds.
Source: U.S. Bureau of the Census, Current Population Reports, series P-50, No. 488, and earlier reports.

Headnotes immediately below table title provide information important for correct interpretation or evaluation of the table as a whole or for a major segment of it.

Footnotes below the bottom rule of tables give information relating to specific items or figures within the table.

Unit indicators ("in thousands," "in millions of dollars," etc.) are usually given in boldface type as the first elements of the headnote. In tables where several units are used, the unit indicators are generally given in the stub or unit column or in the column headings.

Parallel vertical rules are used to the right of a total column to indicate—

- (1) that the components which follow add to the total (e.g., tables 1, 19, 34, etc.);
- (2) in the case of derived figures, that the underlying data are additive to their total (e.g., table 19 for ratios, table 54 for percentages, table 88 for rates and table 90 for medians).

Heavy vertical rules are used—

- (1) in tables where the stub is continued into one or more additional columns across the table to separate each segment of stub and its accompanying data columns from the continued segments (e.g., tables 2, 7, 10, etc.);
- (2) to set off independent sections of a table (e.g., tables 1, 5, 38, etc.).

Averages. An average is a single number or value that is often used to represent the “value” of a group of numbers. It is regarded as a measure of “location” or “central tendency” of a group of numbers.

The *arithmetic mean* is the type of average used most frequently. It is derived by summing individual item values of a particular group and dividing the total by the number of items. The arithmetic mean is often referred to as simply the “mean” or “average.”

The *median* of a group of numbers is the middle number or value when each item in the group is arranged according to size (lowest to highest or vice versa); it generally has the same number of items above it as below it. If there is an even number of items in the group, the median is taken to be the average of the two middle items.

Per capita (or per person) quantities. A per capita figure represents an average computed for every person in a specified group (or population). It is derived by taking the total for an item (such as income, taxes, or retail sales) and dividing it by the number of persons in the specified population.

Index numbers. An index number is a measure of difference or change, usually expressed in percent, relating one quantity (the variable) of a specified kind to another quantity of the same kind. Index numbers are widely used to express changes in prices over periods of time but may also be used to express differences between related subjects for a single point in time.

To compute a price index, a base year or period is selected. The base year price (of the commodity or service) is then designated as the base or reference price to which the prices for other years or periods are related. Many price indexes use the year 1967 as the base year; in this table it is shown as “1967 = 100.” A method of expressing the price relationship is:

Price of a set of one or more items for related year

Price of the same set of items for base year

The result multiplied by 100 provides the index number. When 100 is subtracted from the index number, the result equals the percent change in price from the base year.

Average annual percent change. Unless otherwise stated in the *Abstract* (as in Section 1, Introduction), average annual percent change is computed by use of a *compound interest formula*. This formula assumes that the rate of change is constant throughout a specified compounding period (one year for average annual rates of change). The formula is similar to that used to compute the future balance of a savings account which receives compound interest. According to this formula, at the end of a compounding period the amount of accrued change (e.g., school enrollment or bank deposit) is added to the amount which existed at the beginning of the period. As a result, over successive periods (e.g., with each year or quarter), the same rate of change is applied to a larger and larger amount.

The *exponential formula*, which is based on continuous compounding, is often used to measure population change. It is preferred by population experts because they view population and population-related subjects as changing without interruption, ever ongoing. Both exponential and compound interest formulas assume a constant rate of change. The former, however, applies the amount of change continuously to the base rather than at the end of each compounding period.

When the average annual rates are small (e.g., less than 5 percent), both formulas give virtually the same results. For an explanation of these two formulas as they relate to population, see the Bureau of the Census, *The Methods and Materials of Demography*, vol. 2, 3d printing (rev.), pp. 372–381.

Current and constant dollars. Statistics in some tables in a number of sections are expressed in both current and constant dollars (see, for example, table 685, section 14). Current dollar figures reflect actual prices or costs prevailing during the specified year(s). Constant dollar figures are estimates representing an effort to remove the effects of price changes from statistical series reported in dollar terms. In general, constant dollar series are derived by dividing current dollar estimates by the appropriate price index for the appropriate period (for example, the Consumer Price Index). The result is a series as it would presumably exist if prices were the same throughout, as in the base year—in other words as if the dollar had constant purchasing power. Any changes in this constant dollar series would reflect only changes in real volume of output, income, expenditures, or other measure.



State Rankings

[When States share the same rank, the next lower rank is omitted. Because of rounded data, States may have identical values shown but different ranks]

DIVISION AND STATE	RESIDENT POPULATION ¹											
	Total, 1988		Percent increase, ² 1980-1988		Projections, ³ 2000		Black, 18 yrs old and over, projections, ⁴ 1988		Hispanic, 18 yrs old and over, projections, ⁴ 1988		65 years old and over, ⁵ 1987	
	Number (1,000)	Rank	Percent	Rank	Number (1,000)	Rank	Number (1,000)	Rank	Number (1,000)	Rank	Percent	Rank
United States	245,807	(x)	8.5	(x)	287,747	(x)	29,441	(x)	13,021	(x)	12.3	(x)
New England	12,986	(x)	8.0	(x)	13,775	(x)	288	(x)	228	(x)	13.4	(x)
Maine	1,206	38	7.2	21	1,271	41	3	44	4	47	13.4	13
New Hampshire	1,087	39	19.2	5	1,333	39	5	43	5	44	11.5	36
Vermont	556	48	8.7	18	581	49	1	49	3	48	11.9	30
Massachusetts	5,871	13	2.3	37	6,087	13	190	22	112	10	13.7	11
Rhode Island	995	43	5.1	29	1,049	42	24	38	15	35	14.7	4
Connecticut	3,241	28	4.3	32	3,445	27	176	24	98	14	13.4	14
Middle Atlantic	37,845	(x)	3.3	(x)	38,835	(x)	3,484	(x)	1,835	(x)	13.8	(x)
New York	17,898	2	1.9	40	17,986	3	1,855	1	1,385	3	13.0	18
New Jersey	7,720	9	4.8	30	8,545	9	756	14	436	8	13.0	17
Pennsylvania	12,027	5	1.4	44	11,503	6	783	13	111	11	14.8	3
East North Central	42,148	(x)	1.1	(x)	41,748	(x)	3,353	(x)	852	(x)	12.2	(x)
Ohio	10,872	7	7	46	10,829	7	798	12	75	15	12.5	23
Indiana	5,575	14	1.5	43	5,502	14	305	20	58	19	12.1	29
Illinois	11,544	6	1.0	45	11,580	5	1,213	4	588	5	12.1	27
Michigan	9,300	8	4	47	9,250	8	896	8	106	12	11.5	35
Wisconsin	4,858	17	3.2	36	4,784	19	139	26	46	25	13.2	16
West North Central	17,745	(x)	3.3	(x)	17,860	(x)	579	(x)	183	(x)	13.8	(x)
Minnesota	4,308	21	5.8	26	4,480	22	41	39	25	31	12.8	21
Iowa	2,834	29	-2.7	49	2,549	31	33	38	18	33	14.8	2
Missouri	5,139	15	4.5	31	5,383	15	370	19	35	28	13.8	9
North Dakota	683	46	1.8	42	829	48	3	44	2	48	13.3	15
South Dakota	715	45	3.5	35	714	46	2	47	2	46	14.0	6
Nebraska	1,601	36	2.0	39	1,658	37	35	35	20	32	13.8	8
Kansas	2,487	32	5.2	27	2,529	33	96	27	51	23	13.8	12
South Atlantic	42,801	(x)	16.3	(x)	50,982	(x)	6,038	(x)	1,184	(x)	13.8	(x)
Delaware	880	47	11.0	16	734	45	80	29	8	42	11.8	33
Maryland	4,844	18	10.1	18	5,274	16	833	10	59	18	10.7	38
District of Columbia	620	(x)	-2.9	(x)	634	(x)	317	(x)	15	(x)	12.3	(x)
Virginia	5,898	12	12.1	13	6,877	12	808	11	74	16	10.8	42
West Virginia	1,884	34	-3.4	50	1,722	36	41	33	6	45	13.8	7
North Carolina	6,526	10	11.0	17	7,483	11	983	7	31	29	11.8	32
South Carolina	3,493	24	11.9	14	3,806	24	893	16	15	36	10.7	39
Georgia	6,401	11	17.2	8	7,957	10	1,138	5	40	27	10.0	44
Florida	12,977	4	27.0	4	15,415	4	1,133	6	907	4	17.8	1
East South Central	16,383	(x)	5.0	(x)	16,286	(x)	2,819	(x)	46	(x)	12.3	(x)
Kentucky	3,721	23	1.8	41	3,733	26	188	23	10	38	12.3	26
Tennessee	4,819	16	7.1	22	5,286	17	538	18	15	38	12.4	24
Alabama	4,127	22	6.0	23	4,410	23	697	15	14	38	12.4	25
Mississippi	2,827	31	4.2	33	2,877	30	587	17	8	42	12.1	28
West South Central	28,884	(x)	13.2	(x)	30,832	(x)	2,828	(x)	2,717	(x)	18.7	(x)
Arkansas	2,422	33	5.9	24	2,529	32	240	21	10	39	14.6	5
Louisiana	4,420	20	5.1	28	4,516	21	873	9	72	17	10.8	37
Oklahoma	3,263	27	7.9	20	3,376	28	145	25	51	23	12.8	19
Texas	18,783	3	17.9	7	20,211	2	1,388	3	2,584	2	9.7	48
Mountain	13,389	(x)	18.8	(x)	14,022	(x)	231	(x)	1,193	(x)	18.8	(x)
Montana	804	44	2.2	38	794	44	1	48	7	44	12.5	22
Idaho	999	42	5.8	25	1,047	43	3	44	28	30	11.5	34
Wyoming	471	50	3	48	489	50	2	47	17	34	8.9	48
Colorado	3,290	26	13.8	11	3,813	25	90	28	284	9	9.2	47
New Mexico	1,510	37	15.9	9	1,968	35	18	39	398	7	10.6	45
Arizona	3,486	25	27.5	3	4,618	20	82	31	379	8	12.7	20
Utah	1,981	35	16.7	10	1,991	34	8	47	45	26	8.2	49
Nevada	1,080	41	32.4	1	1,303	40	46	32	57	20	10.8	41
Pacific	37,136	(x)	18.8	(x)	43,400	(x)	1,711	(x)	4,722	(x)	18.8	(x)
Washington	4,518	19	11.8	15	4,991	18	78	30	104	13	11.8	31
Oregon	2,741	30	4.1	34	2,877	29	28	37	54	21	13.7	10
California	28,188	1	19.0	6	33,500	1	1,576	2	4,514	1	10.6	40
Alaska	513	49	27.7	2	687	47	13	41	9	41	3.8	50
Hawaii	1,093	40	13.3	12	1,845	38	15	40	52	22	10.1	43

X. Not applicable. ¹Source: U.S. Bureau of the Census. Except as noted, as of July 1. ²Minus sign (-) indicates decrease. ³See table 29, 1989 Statistical Abstract. ⁴See table 28, 1988 Statistical Abstract. As of November. ⁵See table 27, 1989 Statistical Abstract.

State Rankings

[When States share the same rank, the next lower rank is omitted. Because of rounded data, States may have ids shown, but different ranks]

DIVISION AND STATE	RESIDENT POPULATION IN METRO AREAS, ^{1,2} 1967		BIRTH RATE, ^{3,4} 1966		BIRTHS, ^{5,6} 1966				INFANT MORTALITY RATE, ^{7,8} 1966		P R I O R I T Y
					To teenage mothers		To unmarried women				
	Percent	Rank	Rate	Rank	Percent	Rank	Percent	Rank	Rate	Rank	
United States	75.8	(x)	15.6	(x)	12.5	(x)	23.4	(x)	10.4	(x)	
New England	80.8	(x)	14.2	(x)	8.8	(x)	16.8	(x)	8.8	(x)	
Maine	36.1	44	14.3	41	11.6	25	19.0	33	8.6	45	
New Hampshire	55.3	33	15.5	22	7.7	49	13.9	46	9.1	40	
Vermont	23.1	49	15.0	31	9.2	42	16.7	41	10.0	27	
Massachusetts	90.7	7	14.1	43	6.3	47	19.3	32	8.5	46	
Rhode Island	92.8	4	13.8	47	10.3	33	19.8	28	9.4	34	
Connecticut	92.8	4	14.0	44	6.8	45	19.0	34	9.1	40	
Middle Atlantic	80.8	(x)	14.3	(x)	10.1	(x)	26.5	(x)	10.4	(x)	
New York	90.6	5	14.5	35	9.7	37	28.4	4	10.7	19	
New Jersey	100.0	1	14.3	40	9.4	40	22.9	19	9.8	28	
Pennsylvania	84.7	9	13.5	49	11.3	27	24.4	15	10.2	24	
East North Central	77.3	(x)	15.0	(x)	12.5	(x)	22.8	(x)	11.1	(x)	
Ohio	79.9	16	14.7	34	13.3	18	23.4	16	10.6	21	
Indiana	68.0	22	14.4	37	14.0	14	21.0	22	11.3	12	
Illinois	82.5	11	15.3	26	12.5	20	27.1	8	12.1	6	
Michigan	80.2	15	15.1	29	12.3	21	19.3	31	11.4	11	
Wisconsin	69.5	25	15.1	28	9.9	36	19.8	29	9.2	38	
West North Central	66.3	(x)	15.1	(x)	10.3	(x)	17.6	(x)	9.7	(x)	
Minnesota	66.2	27	15.6	18	7.3	50	16.3	43	8.2	36	
Iowa	43.1	39	13.6	48	9.2	42	15.0	45	8.5	48	
Missouri	65.0	28	14.9	32	13.4	17	22.5	20	10.7	18	
North Dakota	36.0	42	15.9	17	8.0	48	12.9	48	8.4	50	
South Dakota	26.7	47	16.4	13	8.7	37	17.5	39	13.3	1	
Nebraska	47.2	37	15.3	27	6.9	44	15.5	44	10.1	29	
Kansas	52.8	35	16.0	15	11.5	26	16.7	40	8.9	43	
South Atlantic	73.7	(x)	14.8	(x)	14.6	(x)	26.5	(x)	11.7	(x)	
Delaware	66.0	26	15.3	23	13.2	19	27.0	9	11.5	9	
Maryland	92.9	3	15.6	19	11.7	24	30.5	2	11.7	8	
District of Columbia	100.0	(x)	16.1	(x)	17.0	(x)	57.7	(x)	21.1	(x)	
Virginia	71.7	20	15.0	30	12.0	22	22.4	21	11.1	14	
West Virginia	35.3	45	12.1	50	17.1	5	19.5	30	10.2	24	
North Carolina	55.3	34	14.3	42	15.9	10	23.6	17	11.5	8	
South Carolina	60.4	31	15.3	24	16.6	9	27.6	6	13.2	3	
Georgia	64.6	30	16.1	14	17.0	8	27.2	7	12.5	4	
Florida	90.8	6	14.3	39	13.8	15	26.7	10	11.0	15	
East South Central	68.8	(x)	14.4	(x)	17.9	(x)	25.9	(x)	11.8	(x)	
Kentucky	45.8	36	13.9	45	17.4	3	20.0	26	9.8	26	
Tennessee	67.0	25	13.8	46	17.0	6	25.3	14	11.0	16	
Alabama	67.2	24	14.7	35	17.4	3	25.9	12	13.3	1	
Mississippi	30.3	46	16.0	16	20.5	1	34.0	1	12.4	5	
West South Central	72.8	(x)	17.8	(x)	19.8	(x)	20.3	(x)	10.1	(x)	
Arkansas	39.5	41	14.5	36	19.0	2	24.0	16	10.3	23	
Louisiana	69.0	21	17.3	7	16.8	8	30.2	3	11.8	7	
Oklahoma	56.6	32	15.3	25	15.6	11	18.6	35	10.4	22	
Texas	81.0	14	18.4	5	15.2	13	17.7	38	9.5	32	
Mountain	66.8	(x)	18.0	(x)	11.8	(x)	19.2	(x)	9.3	(x)	
Montana	24.2	48	16.6	20	10.1	35	17.8	37	9.6	31	
Idaho	19.8	50	16.4	12	10.8	30	11.9	49	11.9	12	
Wyoming	29.0	46	17.0	9	10.7	31	13.9	46	10.9	17	
Colorado	61.7	12	18.9	10	10.2	34	18.0	36	8.6	48	
New Mexico	48.4	35	18.5	4	15.3	12	27.9	5	9.5	32	
Arizona	76.2	19	18.6	3	13.9	15	25.6	13	9.4	34	
Utah	77.2	17	21.9	2	9.3	41	9.8	50	8.6	45	
Nevada	82.6	10	16.4	11	11.9	23	16.6	42	9.1	40	
Pacific	90.5	(x)	17.4	(x)	10.8	(x)	25.1	(x)	9.1	(x)	
Washington	81.2	13	15.8	21	10.4	32	19.8	27	9.5	28	
Oregon	67.6	23	14.4	38	10.9	28	20.7	24	9.4	34	
California	95.7	2	17.9	6	10.9	28	26.5	11	8.9	43	
Alaska	42.4	40	22.9	1	6.7	46	20.8	23	10.8	18	
Hawaii	76.7	18	17.2	8	9.5	39	20.3	25	9.3	37	

X Not applicable. ¹Source: U.S. Bureau of the Census. ²See table 35, 1969 Statistical Abstract. ³metropolitan statistical areas as defined June 30, 1965. ⁴Source: U.S. National Center for Health Statistics. ⁵1969 Statistical Abstract. Registered births per 1,000 population, by place of residence. ⁶See table 94, 1969 Statistical Abstract. ⁷See table 116, 1969 Statistical Abstract. Represents deaths of infants under 1 year old per 1,000 live births. ⁸See table 151, 1969 Statistical Abstract. Source: American Medical Association. (Copyright). Covers active non-Federal physicians and includes physicians not classified according to a

(When States share the same rank, the next lower rank is omitted. Because of rounded data, States may have identical values shown, but different ranks)

DIVISION AND STATE	HOSPITALS						PUBLIC ELEMENTARY AND SECONDARY SCHOOLS					
	Beds per 100,000 population, ¹ 1966		Occupancy rate, ² 1966		Average daily room charge, ³ 1966		Enrollment, percent increase, ⁴ 1960-1966		Teachers' average salaries, ⁵ 1966		Current expenditures per pupil, ⁶ 1966	
	Rate	Rank	Rate	Rank	Dollars	Rank	Percent	Rank	Dollars	Rank	Dollars	Rank
United States	532	(x)	68.8	(x)	253	(x)	-2.8	(x)	29,044	(x)	4,386	(x)
New England	578	(x)	(NA)	(x)	(NA)	(x)	-12.8	(x)	(NA)	(x)	(NA)	(x)
Maine	538	24	71.2	13	254	17	-4.5	32	23,425	38	4,276	17
New Hampshire	487	36	67.8	16	247	18	-1.8	22	24,019	35	3,990	26
Vermont	516	31	71.0	14	286	6	-4.2	30	23,397	39	4,949	11
Massachusetts	662	5	75.8	6	310	4	-18.4	50	30,019	9	5,386	7
Rhode Island	534	25	77.4	6	275	11	-8.5	43	32,856	6	5,456	6
Connecticut	492	35	76.6	3	326	3	-11.7	48	33,487	3	6,141	5
Middle Atlantic	606	(x)	(NA)	(x)	(NA)	(x)	-10.8	(x)	(NA)	(x)	(NA)	(x)
New York	634	9	64.5	1	283	14	-9.2	42	34,500	2	6,864	4
New Jersey	527	26	78.7	2	229	26	-11.2	47	30,720	8	6,910	2
Pennsylvania	611	14	73.8	9	296	8	-12.3	49	29,174	13	5,063	8
East North Central	533	(x)	(NA)	(x)	(NA)	(x)	-8.8	(x)	(NA)	(x)	(NA)	(x)
Ohio	540	23	66.7	19	275	11	-8.3	39	27,606	19	4,019	24
Indiana	534	25	63.9	32	223	28	-8.4	41	27,386	23	3,616	34
Illinois	555	22	67.2	18	271	13	-8.0	38	29,683	11	4,217	19
Michigan	486	36	67.6	17	292	7	-9.7	44	32,826	5	4,122	21
Wisconsin	556	21	64.7	30	196	41	-7.5	37	26,998	14	4,991	10
West North Central	688	(x)	(NA)	(x)	(NA)	(x)	-6.8	(x)	(NA)	(x)	(NA)	(x)
Minnesota	634	9	66.7	19	241	22	-5.7	36	29,900	10	4,513	14
Iowa	635	8	63.2	36	203	33	-9.8	45	24,667	29	3,846	31
Missouri	618	12	66.2	22	226	27	-5.2	35	24,703	30	3,686	35
North Dakota	570	1	63.3	34	196	38	1.7	16	21,660	46	3,353	38
South Dakota	620	2	59.1	45	182	44	-3.1	24	19,750	50	3,158	42
Nebraska	701	3	60.4	40	182	44	-4.6	33	23,246	41	3,641	33
Kansas	679	4	62.3	38	214	31	2	18	24,647	31	4,262	16
South Atlantic	630	(x)	(NA)	(x)	(NA)	(x)	-1.3	(x)	(NA)	(x)	(NA)	(x)
Delaware	588	16	78.1	5	300	5	-6.1	34	29,575	12	4,994	9
Maryland	498	33	78.5	4	230	25	-10.0	46	30,933	7	4,871	12
District of Columbia	1,311	(x)	78.2	(x)	782	(x)	-14.0	(x)	34,705	(x)	5,843	(x)
Virginia	530	27	71.6	11	196	38	-3.5	27	27,436	21	4,145	20
West Virginia	589	17	64.8	29	196	38	-8.3	39	21,000	45	3,686	28
North Carolina	474	37	71.6	11	189	40	-3.9	28	24,900	28	3,911	27
South Carolina	450	39	73.0	10	170	47	-1.1	20	24,241	34	3,075	43
Georgia	569	18	66.8	15	181	46	2.6	12	26,177	25	2,939	45
Florida	523	29	64.9	26	217	30	6.4	5	25,196	27	4,366	15
East South Central	606	(x)	(NA)	(x)	(NA)	(x)	-2.4	(x)	(NA)	(x)	(NA)	(x)
Kentucky	523	29	66.7	19	213	32	-4.0	29	24,274	33	3,366	37
Tennessee	644	7	66.2	22	171	46	-4.2	30	23,785	37	3,189	41
Alabama	607	15	65.2	26	183	43	-3.9	25	23,320	40	2,752	48
Mississippi	646	6	63.3	34	141	50	4.6	7	20,889	48	2,760	47
West South Central	519	(x)	(NA)	(x)	(NA)	(x)	7.1	(x)	(NA)	(x)	(NA)	(x)
Arkansas	561	20	59.4	44	153	49	-2.5	23	20,340	49	2,410	50
Louisiana	561	16	64.5	31	201	34	2.2	14	21,209	47	3,211	40
Oklahoma	505	32	59.8	43	184	48	2.6	11	22,006	44	3,061	44
Texas	496	34	60.4	40	196	38	10.7	3	25,656	26	3,462	36
Mountain	428	(x)	(NA)	(x)	(NA)	(x)	5.8	(x)	(NA)	(x)	(NA)	(x)
Montana	612	13	58.9	46	221	29	-1.9	21	23,796	36	4,061	23
Idaho	369	46	55.9	46	247	18	2.5	12	22,242	43	2,814	46
Wyoming	631	11	56.6	49	193	39	3.1	10	27,280	24	6,885	3
Colorado	441	41	63.7	33	260	15	1.9	15	26,651	35	4,359	16
New Mexico	446	40	65.7	25	234	23	4.1	8	24,351	32	3,880	30
Arizona	400	43	65.2	27	244	20	4.1	8	27,368	22	3,265	39
Utah	325	50	62.1	39	242	21	20.9	2	22,621	42	2,656	49
Nevada	414	42	51.1	50	233	24	8.1	4	27,600	20	3,629	32
Pacific	386	(x)	(NA)	(x)	(NA)	(x)	4.8	(x)	(NA)	(x)	(NA)	(x)
Washington	372	48	62.8	37	281	10	4	17	26,116	17	4,063	22
Oregon	400	43	59.9	42	263	9	-3.4	26	26,080	18	4,574	13
California	400	43	66.1	24	364	1	6.3	6	33,159	4	3,994	25
Alaska	378	47	57.7	48	337	2	24.1	1	40,424	1	7,038	1
Hawaii	366	49	77.2	7	256	16	(2)	19	26,785	15	3,894	29

NA Not available. X Not applicable. 2 Less than 05 percent. 1 See table 159, 1966 Statistical Abstract. Source: American Hospital Association, Chicago, IL (Copyright). 2 Ratio of average daily census to every 100 beds. 3 See table 163, 1966 Statistical Abstract. Source: Health Insurance Association of America, Washington DC. As of January. Covers non-government short-term general hospitals and represents average cost to patient for semi-private room. 4 See table 220 1966 Statistical Abstract. Source: U.S. Department of Education, National Center for Education Statistics. Minus sign (-) indicates decrease. 5 Source: National Education Association, Washington, DC (Copyright). 6 See table 223, 1966 Statistical Abstract. Data presented here are revised. 7 See table 229, 1966 Statistical Abstract. Represents current expenditures per pupil in average daily attendance in day schools.

State Rankings

[When States share the same rank, the next lower rank is omitted. Because of rounded data, States may have been shown, but different ranks]

DIVISION AND STATE	COLLEGE ENROLLMENT, ¹				CRIME RATE, PERCENT CHANGE, ² 1965-1967		VIOLENT CRIME RATE PER 100,000 RESIDENT POPULATION, ³ 1967		DEATH RATE BY HOMICIDE, ⁴ 1966		GROWTH PERCENT, 1965-1967
	Percent Increase, 1960-1966		Percent per-line, 1966								
	Percent	Rank	Percent	Rank	Percent	Rank	Rate	Rank	Rate	Rank	
United States	3.3	(x)	43.1	(x)	6.5	(x)	608	(x)	6.0	(x)	
New England	1.8	(x)	38.1	(x)	2.5	(x)	421	(x)	3.7	(x)	
Maine	7.0	20	39.1	24	-3.5	48	153	44	1.9	49	
New Hampshire	14.9	4	36.2	33	3.7	32	149	46	2.2	47	
Vermont	3.2	31	28.1	45	9.9	15	137	48	3.0	45	
Massachusetts	(2)	39	37.3	27	-5	45	385	14	3.8	40	
Rhode Island	4.5	29	37.1	28	11.9	8	360	31	4.3	38	
Connecticut	-1.3	43	48.7	11	6.2	22	419	28	4.7	37	
Middle Atlantic	1.4	(x)	37.8	(x)	5.3	(x)	708	(x)	5.0	(x)	
New York	1.4	34	35.1	30	6.5	20	1,007	2	10.7	12	
New Jersey	-8.4	49	50.2	9	3.3	34	541	17	5.3	31	
Pennsylvania	7.5	19	34.2	37	4.1	30	398	29	5.8	28	
East North Central	4.2	(x)	44.0	(x)	3.5	(x)	572	(x)	7.3	(x)	
Ohio	6.3	24	40.4	23	9.3	16	421	25	5.2	32	
Indiana	1.2	37	35.2	39	5.3	27	329	33	5.5	29	
Illinois	6.7	23	50.7	8	.6	41	795	4	9.9	14	
Michigan	(2)	39	49.2	10	1.4	36	780	5	12.2	7	
Wisconsin	5.0	25	33.1	38	3.6	31	250	40	3.5	42	
West North Central	7.4	(x)	37.1	(x)	9.2	(x)	344	(x)	5.8	(x)	
Minnesota	9.7	15	38.1	30	11.7	12	286	35	2.5	46	
Iowa	10.7	11	25.5	47	5.0	28	231	41	2.2	47	
Missouri	5.1	27	43.1	18	7.8	17	544	18	9.8	15	
North Dakota	8.6	17	24.3	50	5.7	23	57	50	1.3	50	
South Dakota	-6.1	45	29.0	44	1.4	37	120	49	4.2	36	
Nebraska	11.1	10	44.0	14	11.8	11	252	39	3.2	44	
Kansas	4.4	30	42.0	20	12.1	7	351	30	5.0	35	
South Atlantic	7.9	(x)	43.8	(x)	16.0	(x)	673	(x)	10.8	(x)	
Delaware	3.0	33	38.2	25	-4	44	432	24	5.7	27	
Maryland	3.1	32	53.5	5	2.0	35	769	6	9.5	16	
District of Columbia	-10.3	(x)	35.5	(x)	5.6	(x)	1,508	(x)	25.2	(x)	
Virginia	9.5	16	45.5	13	4.8	26	295	34	7.8	22	
West Virginia	-5.1	46	35.4	29	-2.5	46	138	47	6.2	25	
North Carolina	12.2	8	38.4	25	12.6	6	484	20	9.3	18	
South Carolina .....	.8	38	30.6	41	6.6	19	655	9	9.5	17	
Georgia	6.0	25	31.6	40	19.3	3	578	13	12.8	5	
Florida	15.8	3	52.0	6	12.3	8	1,024	1	12.4	6	
East South Central	1.5	(x)	31.7	(x)	11.1	(x)	448	(x)	10.4	(x)	
Kentucky	1.4	34	35.2	33	11.0	14	338	32	7.1	24	
Tennessee	-3.9	45	34.5	36	12.0	9	534	19	10.8	11	
Alabama	10.4	14	29.5	43	12.9	4	559	15	11.4	10	
Mississippi	-1.0	42	24.8	49	5.9	25	289	37	13.1	4	
West South Central	8.9	(x)	41.9	(x)	15.2	(x)	599	(x)	13.6	(x)	
Arkansas	1.3	35	30.4	42	18.4	1	419	28	9.7	19	
Louisiana	6.9	21	28.9	46	5.6	25	693	8	13.8	2	
Oklahoma	6.9	21	43.9	15	11.1	13	419	29	9.1	20	
Texas	10.7	11	46.0	12	17.5	2	632	10	14.1	1	
Mountain	12.9	(x)	47.0	(x)	-4	(x)	454	(x)	6.1	(x)	
Montana	(x)	39	25.7	48	1.1	38	151	45	5.0	35	
Idaho	4.7	28	35.5	32	6.3	21	214	43	3.7	41	
Wyoming	14.3	6	41.7	21	.4	42	283	36	5.5	29	
Colorado	6.6	18	42.4	19	-8.8	49	468	21	7.3	23	
New Mexico	37.9	1	51.3	7	.9	40	626	11	13.5	3	
Arizona	11.5	9	57.3	3	1.0	39	612	12	10.1	13	
Utah	12.6	7	32.1	39	5.7	24	230	42	3.3	43	
Nevada	14.5	5	72.3	1	-3.1	47	695	7	12.1	8	
Pacific	-5.3	(x)	53.5	(x)	1.3	(x)	654	(x)	18.2	(x)	
Washington	-20.4	50	42.6	17	7.5	18	439	23	5.2	32	
Oregon	-8.2	48	41.4	22	3.6	33	540	16	8.5	25	
California	-3.3	44	58.3	4	-2	43	915	3	11.6	9	
Alaska	28.6	2	65.7	2	-8.5	50	455	22	8.3	21	
Hawaii	10.6	13	42.3	19	11.9	10	263	38	5.2	32	

NA Not available X Not applicable. Z Less than .05 percent. ¹ See table 249, 1969 Statistical Abstract, U.S. Dept. of Education, National Center for Education Statistics. Minus sign (-) indicates decrease. ² See table Statistics: Abstract Source: U.S. Federal Bureau of Investigation. Based on offenses known to the police. Minus indicates decrease. ³ See table 120, 1969 Statistical Abstract. Source: U.S. National Center for Health Statistics. 100,000 resident population. ⁴ See table 340, 1969 Statistical Abstract. Source: U.S. Geological Survey.

State Rankings

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(When States share the same rank, the next lower rank is omitted. Because of rounded data, States may have identical values shown, but different ranks)

DIVISION AND STATE	DOMESTIC TRAVEL EXPENDITURES, ¹ 1988		VOTING-AGE POPULATION CASTING VOTES FOR U.S. PRESIDENT, ² 1988		STATE AND LOCAL GOVERNMENT, ³				FEDERAL GOVERNMENT, ⁴			
					Direct general expenditure per capita, ⁴ 1988		State tax collections, percent individual income, ⁵ 1987		Grants to State and local governments per capita, 1987		Funds for defense, 1987	
	ML. dol.	Rank	Percent	Rank	Dollars	Rank	Percent	Rank	Dollars	Rank	ML. dol.	Rank
United States	282,864	(X)	55.2	(X)	3,884	(X)	38.8	(X)	427	(X)	215,777	(X)
New England	14,128	(X)	37.8	(X)	(NA)	(X)	33.2	(X)	488	(X)	18,361	(X)
Maine	1,679	34	62.1	3	2,307	30	32.8	18	531	7	1,171	34
New Hampshire	1,710	38	54.8	17	2,024	41	1.8	43	368	42	834	37
Vermont	1,337	41	58.0	9	2,882	23	30.1	26	573	8	180	30
Massachusetts	5,888	13	58.1	12	2,710	11	47.0	3	806	12	9,802	6
Rhode Island	484	60	53.0	24	2,871	15	34.2	15	558	9	838	38
Connecticut	2,808	27	57.8	19	2,579	18	10.7	41	484	17	5,837	13
Middle Atlantic	38,861	(X)	48.8	(X)	(NA)	(X)	38.1	(X)	548	(X)	22,188	(X)
New York	18,775	3	48.1	38	3,588	3	50.8	2	688	5	11,183	4
New Jersey	12,971	5	52.1	25	2,785	7	27.4	31	434	25	4,808	14
Pennsylvania	10,105	8	50.1	31	2,182	37	24.2	35	442	22	8,234	11
East North Central	31,334	(X)	54.8	(X)	(NA)	(X)	38.8	(X)	418	(X)	17,347	(X)
Ohio	6,897	10	55.1	15	2,290	31	33.1	18	406	30	8,351	10
Indiana	3,083	25	53.8	23	1,886	42	30.5	23	358	43	3,108	30
Illinois	9,554	7	53.8	22	2,351	28	29.7	28	388	36	3,728	18
Michigan	7,825	9	54.0	21	2,775	8	32.5	19	458	19	2,718	24
Wisconsin	4,175	21	62.0	4	2,720	10	38.2	11	446	21	1,343	34
West North Central	16,638	(X)	58.8	(X)	(NA)	(X)	34.8	(X)	418	(X)	14,883	(X)
Minnesota	5,178	15	68.3	1	3,048	4	41.7	7	480	14	2,741	29
Iowa	1,886	31	58.3	8	2,438	25	35.8	14	385	37	788	40
Missouri	4,970	17	54.8	18	1,915	48	31.7	22	377	40	7,354	8
North Dakota	821	48	61.5	5	2,707	12	14.0	38	834	6	483	43
Nebraska	1,247	42	58.7	14	2,384	27	29.8	27	381	38	821	39
Kansas	1,885	32	54.8	20	2,382	28	30.4	24	343	46	2,248	28
South Atlantic	48,818	(X)	44.3	(X)	(NA)	(X)	38.4	(X)	381	(X)	88,884	(X)
Delaware	708	47	51.1	35	2,817	6	43.7	5	487	15	408	44
Maryland	4,788	19	48.1	32	2,581	18	41.8	6	442	23	7,444	7
District of Columbia	1,283	(X)	38.4	(X)	4,701	(X)	28.5	(X)	2,438	(X)	1,882	(X)
Virginia	6,073	12	48.2	34	2,208	34	44.3	4	323	48	16,508	2
West Virginia	1,417	38	48.7	40	2,180	38	28.3	32	542	10	322	48
North Carolina	6,073	11	43.4	47	1,911	49	41.2	8	338	47	4,248	17
South Carolina	3,885	23	38.8	49	1,870	44	30.2	25	374	41	2,885	21
Georgia	5,247	14	38.8	50	2,201	35	40.4	10	404	31	6,882	9
Florida	20,380	2	44.7	44	2,120	40	(X)	(X)	382	50	10,704	3
East South Central	6,881	(X)	48.8	(X)	(NA)	(X)	17.8	(X)	428	(X)	9,888	(X)
Kentucky	2,283	30	48.2	36	1,922	46	28.2	33	457	18	1,830	35
Tennessee	4,081	22	44.7	45	1,920	47	1.9	42	418	28	1,777	31
Alabama	1,888	36	45.8	41	2,127	39	27.8	30	382	38	3,820	19
Mississippi	1,351	40	51.1	29	1,957	45	18.2	37	485	13	2,482	26
West South Central	23,388	(X)	48.2	(X)	(NA)	(X)	8.8	(X)	388	(X)	21,388	(X)
Arkansas	1,873	35	47.0	38	1,844	50	28.3	29	428	26	1,353	33
Louisiana	3,588	24	51.3	27	2,424	26	12.7	40	430	28	2,880	22
Oklahoma	2,743	28	48.7	33	2,228	38	25.4	34	403	32	2,348	27
Texas	15,881	4	44.2	46	2,208	35	(X)	(X)	388	48	14,842	3
Mountain	23,518	(X)	51.7	(X)	(NA)	(X)	34.8	(X)	431	(X)	13,977	(X)
Montana	717	45	62.5	2	2,791	8	33.0	17	887	4	280	47
Idaho	1,012	43	58.4	11	1,880	43	31.8	21	388	34	388	45
Wyoming	771	45	50.4	30	4,472	2	(X)	(X)	918	2	188	49
Colorado	5,175	18	55.1	18	2,588	21	40.4	9	380	45	4,427	16
New Mexico	1,810	37	47.3	38	2,888	13	15.4	38	518	11	1,451	32
Arizona	4,818	18	45.0	42	2,571	30	22.0	38	381	44	4,837	15
Utah	1,838	33	60.0	7	2,484	24	37.0	13	487	16	2,081	29
Nevada	7,280	9	44.8	43	2,852	17	(X)	(X)	381	35	678	41
Pacific	44,388	(X)	48.8	(X)	(NA)	(X)	34.2	(X)	418	(X)	47,377	(X)
Washington	4,223	20	54.8	18	2,585	22	(X)	(X)	435	34	5,787	12
Oregon	2,484	28	58.6	10	2,888	18	65.4	1	488	20	854	42
California	33,888	1	47.4	37	2,818	5	38.8	12	388	33	37,118	1
Alaska	888	44	52.0	28	9,473	1	(X)	(X)	1188	1	1,240	36
Hawaii	3,038	28	43.0	48	2,881	14	32.0	20	425	27	2,508	25

NA Not available. X Not applicable. Z Less than .05 percent. ¹ See table 410, 1988 Statistical Abstract. Source: U.S. Travel Data Center, Washington, DC. (Copyright). ² See table 436, 1988 Statistical Abstract. Source: U.S. Bureau of the Census. ³ Source: U.S. Bureau of the Census. ⁴ See table 467, 1988 Statistical Abstract. ⁵ See table 481, 1988 Statistical Abstract. ⁶ See table 603, 1988 Statistical Abstract. Source: U.S. Bureau of the Census.

State Rankings

[When states share the same rank, the next lower rank is omitted. Because of rounded data, States may have identical values shown, but different ranks]

DIVISION AND STATE	SOCIAL SECURITY RECIPIENTS, PERCENT OF POPULATION, ^{1,2} 1967		PUBLIC AID RECIPIENTS, PERCENT OF POPULATION, ^{1,3} 1967		FOOD STAMP RECIPIENTS, PERCENT OF POPULATION, ⁴ 1967		CIVILIAN LABOR FORCE, ⁵ 1967					
							Employment/ population ratio ⁶		Female participation rate		Unemployment rate ⁷	
	Percent	Rank	Percent	Rank	Percent	Rank	Ratio	Rank	Rate	Rank	Rate	Rank
United States	15.3	(x)	8.2	(x)	7.8	(x)	61.8	(x)	58.0	(x)	8.2	(x)
New England	16.2	(x)	8.2	(x)	4.7	(x)	66.2	(x)	60.0	(x)	3.3	(x)
Maine	17.5	8	6.5	11	7.3	20	62.5	28	58.0	33	4.4	39
New Hampshire	14.5	37	1.7	50	1.7	50	71.3	1	54.6	2	2.5	50
Vermont	15.3	30	5.6	23	8.2	28	68.9	3	54.0	4	3.6	48
Massachusetts	16.2	19	5.9	18	5.1	43	65.1	15	56.8	21	3.2	48
Rhode Island	18.0	8	6.0	17	5.9	31	65.5	11	60.5	8	3.8	44
Connecticut	15.9	23	4.3	33	3.4	48	67.6	5	61.4	6	3.3	47
Middle Atlantic	16.5	(x)	6.9	(x)	7.7	(x)	59.2	(x)	62.1	(x)	4.8	(x)
New York	15.7	25	8.0	8	6.9	12	58.7	42	51.4	46	4.9	35
New Jersey	15.7	27	5.6	22	4.7	46	63.4	22	55.8	34	4.0	43
Pennsylvania	16.3	4	6.1	16	7.8	16	57.4	45	50.7	47	5.7	28
East North Central	15.8	(x)	7.3	(x)	6.8	(x)	61.8	(x)	59.8	(x)	7.2	(x)
Ohio	16.2	17	7.5	6	9.9	8	59.9	38	54.0	41	7.0	18
Indiana	16.0	22	3.6	43	5.8	35	61.9	31	56.2	25	6.4	20
Illinois	14.9	34	7.5	9	9.0	11	61.0	35	55.6	37	7.4	15
Michigan	15.7	28	8.5	4	9.4	10	59.9	39	55.7	36	6.2	9
Wisconsin	17.0	11	7.7	7	6.8	24	64.7	19	59.4	17	6.1	26
West North Central	16.7	(x)	4.7	(x)	6.1	(x)	64.8	(x)	69.6	(x)	5.5	(x)
Minnesota	15.3	31	4.6	36	5.3	39	66.9	6	62.1	5	5.4	32
Iowa	16.2	5	5.0	27	6.6	25	64.0	21	58.2	25	5.5	30
Missouri	17.4	9	5.5	24	7.3	21	62.7	27	57.6	28	6.3	22
North Dakota	16.4	16	3.1	47	5.1	41	65.0	17	59.7	15	5.2	34
South Dakota	17.6	7	3.9	39	7.2	22	66.1	8	58.8	14	4.2	40
Nebraska	16.5	15	3.8	41	6.0	30	65.3	12	60.5	8	4.9	35
Kansas	16.1	21	3.8	40	4.8	45	65.8	9	59.6	16	4.9	35
South Atlantic	16.1	(x)	8.1	(x)	6.3	(x)	62.1	(x)	66.7	(x)	5.1	(x)
Delaware	15.2	32	4.3	35	4.2	47	65.6	10	58.4	17	3.2	48
Maryland	12.9	43	5.1	25	5.3	37	66.7	7	61.0	7	4.2	40
District of Columbia	12.9	(x)	11.2	(x)	9.3	(x)	65.3	(x)	65.3	(x)	6.3	(x)
Virginia	13.3	42	4.0	38	5.1	40	65.3	12	59.0	19	4.2	40
West Virginia	19.1	2	8.2	5	13.5	3	46.1	50	40.4	50	10.6	2
North Carolina	15.8	29	5.0	28	6.1	29	65.1	15	59.9	12	4.5	38
South Carolina	14.8	36	8.3	15	7.9	16	61.7	32	58.6	30	5.6	29
Georgia	13.4	41	8.4	14	7.4	19	63.3	23	57.6	26	5.5	30
Florida	20.3	1	4.1	36	5.0	44	58.9	41	54.1	40	5.3	33
East South Central	16.6	(x)	7.4	(x)	12.2	(x)	57.2	(x)	52.1	(x)	8.8	(x)
Kentucky	16.7	12	7.0	10	12.1	4	55.9	47	49.5	48	8.8	6
Tennessee	16.2	18	6.4	13	10.0	7	59.2	40	54.5	38	6.6	11
Alabama	16.7	14	6.5	12	10.6	5	57.5	44	52.1	43	7.6	13
Mississippi	16.7	13	11.1	1	18.7	1	55.1	48	51.3	46	10.2	3
West South Central	13.6	(x)	5.4	(x)	9.9	(x)	60.6	(x)	56.0	(x)	8.8	(x)
Arkansas	19.0	3	5.9	19	9.5	9	56.3	46	51.9	44	9.1	1
Louisiana	13.9	38	6.8	3	16.2	2	53.8	49	49.4	49	12.0	4
Oklahoma	15.7	26	4.8	29	8.3	14	60.3	36	55.8	34	7.4	1
Texas	12.3	45	4.5	32	6.6	13	62.9	25	58.4	23	8.4	5
Mountain	13.6	(x)	3.7	(x)	6.2	(x)	62.5	(x)	57.8	(x)	7.2	(x)
Montana	16.2	20	4.5	31	7.0	23	62.5	26	58.2	25	7.4	7
Idaho	14.9	33	2.7	48	6.8	33	61.1	34	56.3	32	8.0	8
Wyoming	11.6	46	3.2	46	5.3	38	62.8	28	59.0	19	8.6	10
Colorado	11.7	47	3.7	42	5.8	32	69.2	2	60.4	10	7.7	12
New Mexico	13.4	40	5.7	21	10.1	6	57.9	43	52.8	42	8.9	14
Arizona	15.8	24	3.5	44	6.3	27	60.2	37	54.3	39	6.2	16
Utah	10.4	49	3.2	45	5.1	42	65.2	14	59.9	12	6.4	17
Nevada	13.7	39	2.6	49	3.4	49	68.2	4	65.6	1	6.3	18
Pacific	13.2	(x)	7.8	(x)	6.0	(x)	62.9	(x)	57.2	(x)	6.0	(x)
Washington	14.8	35	5.8	20	6.4	26	61.4	33	58.3	24	7.6	19
Oregon	17.1	10	4.0	37	7.5	18	62.5	29	58.6	22	6.2	16
California	12.7	45	8.8	2	5.7	34	63.1	24	56.6	30	5.8	27
Alaska	5.5	50	4.3	34	5.5	36	64.4	20	64.3	3	10.8	1
Hawaii	12.7	44	4.9	28	7.6	17	64.6	18	60.4	10	3.8	44

X Not applicable. ¹ Source: U.S. Social Security Administration. Data compiled by U.S. Bureau of the Census. ² Table 579, 1969 Statistical Abstract. ³ See table 606, 1969 Statistical Abstract. Total recipients of Aid to Families Dependent Children and Federal Supplemental Security Income as a percent of resident population. ⁴ See table 603, 1969 Statistical Abstract. Source: U.S. Department of Agriculture, Food and Nutrition Service. ⁵ See table 623, 1969 Statistical Abstract. Source: U.S. Bureau of Labor Statistics. ⁶ Civilian employment as a percent of civilian noninstitutional population. ⁷ Unemployed as percent of civilian labor force.

State Rankings

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(When States share the same rank, the next lower rank is omitted. Because of rounded data, States may have identical values shown, but different ranks)

DIVISION AND STATE	AGRICULTURAL EMPLOYMENT ¹				AVERAGE ANNUAL PAY, ² 1967		GROSS STATE PRODUCT ³					
	Percent increase, 1960-1967		Services, percent of total, 1967				Total, 1966		Percent change, 1960-1966		Manufacturing, percent of total, 1966	
	Percent	Rank	Percent	Rank	Dollars	Rank	ML dol.	Rank	Percent	Rank	Percent	Rank
United States.....	13.2	(x)	23.6	(x)	20,856	(x)	4,191,705	(x)	57.8	(x)	19.7	(x)
New England.....	16.7	(x)	25.6	(x)	(NA)	(x)	345,880	(x)	77.8	(x)	23.6	(x)
Maine.....	19.9	11	21.6	34	17,447	41	17,325	42	69.9	12	21.1	20
New Hampshire.....	33.5	3	22.2	28	19,414	23	18,518	41	98.6	1	26.0	9
Vermont.....	22.0	9	24.6	11	17,703	40	8,636	50	76.5	8	22.9	18
Massachusetts.....	14.9	18	27.8	2	22,486	7	115,328	10	77.6	7	21.7	19
Rhode Island.....	13.3	22	26.1	8	18,858	27	15,205	43	65.6	15	24.3	13
Connecticut.....	14.9	16	23.5	16	24,322	3	70,639	22	77.7	5	24.3	12
Middle Atlantic.....	16.2	(x)	26.3	(x)	(NA)	(x)	701,080	(x)	63.7	(x)	16.7	(x)
New York.....	11.7	26	27.3	4	24,634	2	362,736	2	69.4	13	16.5	32
New Jersey.....	17.3	14	24.4	12	23,842	4	154,785	8	74.8	9	19.7	26
Pennsylvania.....	3.4	41	25.9	7	20,406	16	183,559	5	48.2	35	22.1	16
East North Central.....	5.0	(x)	22.4	(x)	(NA)	(x)	700,869	(x)	45.9	(x)	26.8	(x)
Ohio.....	4.9	37	23.0	22	20,566	12	176,102	7	44.8	37	29.2	4
Indiana.....	8.2	32	19.5	43	19,692	18	84,922	14	43.6	38	29.8	3
Illinois.....	9	44	23.6	17	22,250	8	209,666	4	46.5	34	20.2	24
Michigan.....	7.8	39	22.0	31	23,061	6	153,240	9	47.6	32	31.0	2
Wisconsin.....	7.3	34	21.9	33	18,890	25	76,922	17	45.5	36	27.7	6
West North Central.....	7.4	(x)	22.9	(x)	(NA)	(x)	292,524	(x)	48.0	(x)	19.6	(x)
Minnesota.....	10.7	30	24.2	19	20,450	14	75,826	19	54.8	25	20.9	23
Iowa.....	-3	45	22.2	26	17,292	42	43,836	29	27.3	47	21.1	21
Missouri.....	10.9	28	23.0	22	19,601	21	83,534	15	57.2	24	22.6	17
North Dakota.....	2.9	42	24.2	13	16,157	48	10,733	46	31.6	45	5.8	46
South Dakota.....	7.1	36	23.9	15	14,963	50	9,802	49	41.6	41	10.0	43
Nebraska.....	4.9	37	22.6	25	16,526	46	26,521	34	46.7	33	13.6	37
Kansas.....	5.6	36	20.1	41	16,424	34	42,472	30	51.3	27	16.7	27
South Atlantic.....	23.4	(x)	22.9	(x)	(NA)	(x)	671,581	(x)	73.0	(x)	17.9	(x)
Delaware.....	23.6	8	22.6	25	20,784	10	11,706	46	66.1	14	26.4	5
Maryland.....	17.9	13	26.5	6	21,324	9	76,504	16	70.3	11	11.9	41
District of Columbia.....	8.3	(x)	35.1	(x)	26,477	(x)	26,791	(x)	51.3	(x)	3.6	(x)
Virginia.....	24.2	7	23.4	19	19,963	17	104,155	11	77.6	6	17.9	29
West Virginia.....	-7.4	49	20.9	37	16,820	29	24,096	35	25.5	48	14.5	35
North Carolina.....	20.0	10	17.0	49	17,661	36	100,961	13	71.5	10	31.4	1
South Carolina.....	17.2	15	17.4	46	17,279	43	44,727	26	64.0	17	26.7	8
Georgia.....	26.0	4	19.4	44	19,651	19	102,922	12	65.4	2	20.9	22
Florida.....	35.7	2	26.9	5	18,674	31	177,729	6	81.7	3	10.8	42
East South Central.....	16.6	(x)	18.2	(x)	(NA)	(x)	212,300	(x)	53.5	(x)	24.7	(x)
Kentucky.....	6.5	31	20.9	37	18,006	37	53,135	26	44.3	36	24.0	14
Tennessee.....	15.0	17	20.3	40	18,501	39	72,326	21	60.7	19	25.0	10
Alabama.....	10.8	29	18.3	45	16,316	35	55,007	24	57.3	21	23.5	15
Mississippi.....	4.2	40	16.0	50	15,939	49	31,630	32	48.3	29	27.2	7
West South Central.....	6.6	(x)	21.5	(x)	(NA)	(x)	456,263	(x)	41.9	(x)	16.9	(x)
Arkansas.....	12.5	24	18.3	45	16,526	45	31,633	39	57.2	23	24.6	11
Louisiana.....	-6.1	48	21.6	34	16,707	30	74,426	20	18.7	49	13.0	39
Oklahoma.....	-2.9	47	21.0	36	16,615	32	49,814	27	32.0	44	14.3	36
Texas.....	11.1	27	22.0	31	20,463	13	303,510	3	48.0	30	16.0	34
Mountain.....	16.4	(x)	25.4	(x)	(NA)	(x)	316,473	(x)	53.3	(x)	11.5	(x)
Montana.....	-2.1	46	23.4	19	16,438	47	12,163	45	27.7	46	7.2	45
Idaho.....	1.2	43	20.4	39	17,062	44	13,170	44	36.2	43	16.3	33
Wyoming.....	-14.3	50	17.8	47	18,617	29	11,673	47	7.1	50	2.6	50
Colorado.....	11.9	25	23.7	16	20,736	11	59,177	23	57.3	22	12.9	40
New Mexico.....	14.0	21	23.2	21	17,767	39	23,603	37	43.6	40	8.0	44
Arizona.....	36.5	1	24.9	9	19,610	20	53,253	25	77.9	4	13.5	38
Utah.....	16.0	16	23.0	22	18,303	36	24,006	36	58.8	20	16.6	31
Nevada.....	24.8	5	44.5	1	19,521	22	19,426	38	62.3	16	4.8	49
Pacific.....	16.7	(x)	24.4	(x)	(NA)	(x)	691,672	(x)	56.9	(x)	17.5	(x)
Washington.....	14.4	20	22.7	27	20,110	16	77,663	16	51.3	26	17.3	30
Oregon.....	4.7	39	22.1	30	18,666	26	41,278	31	36.6	42	19.8	25
California.....	16.4	12	24.9	9	23,100	5	533,816	1	64.2	16	18.3	28
Alaska.....	24.9	6	20.9	42	26,006	1	19,575	36	52.2	26	5.0	48
Hawaii.....	13.9	22	27.5	3	19,091	24	19,320	40	47.6	31	5.2	47

NA Not available. X Not applicable. ¹ See table 656, 1969 Statistical Abstract. Source: U.S. Bureau of Labor Statistics. Minus sign (-) indicates decrease. ² See table 654, 1969 Statistical Abstract. Source: U.S. Bureau of Labor Statistics. For workers covered by state unemployment insurance laws and for Federal civilian workers covered by unemployment compensation for Federal employees. Pay includes bonuses, cash value of meals and lodging, and tips and other gratuities. Preliminary. ³ See table 667, 1969 Statistical Abstract. Source: U.S. Bureau of Economic Analysis.

State Rankings

(When States share the same rank, the next lower rank is omitted. Because of rounded data, States may have identical values, but different ranks)

DIVISION AND STATE	DISPOSABLE PERSONAL INCOME PER CAPITA, ¹ 1987		BANK DEPOSITS PER CAPITA, ² 1987		ENERGY PRODUCTION, ³ 1987				ENERGY CONSUMPTION PER CAPITA, ⁴ 1988		MILE
	Dollars	Rank	Dollars	Rank	Percent coal, ⁵		Percent nuclear, ⁶		Dollars	Rank	
					Percent	Rank	Percent	Rank			
United States.....	13,143	(X)	8,134	(X)	58.9	(X)	17.7	(X)	308	(X)	
New England.....	15,574	(X)	(NA)	(X)	19.0	(X)	33.3	(X)	229	(X)	
Maine.....	12,082	29	4,855	49	-	45	48.7	5	251	11	
New Hampshire.....	15,353	5	7,188	26	50.5	27	-	32	210	46	
Vermont.....	12,153	28	8,081	17	-	45	75.9	1	213	47	
Massachusetts.....	15,972	3	10,802	4	33.8	38	3.3	30	219	45	
Rhode Island.....	13,522	14	8,915	11	2.4	44	-	32	200	48	
Connecticut.....	17,754	1	8,523	16	5.8	43	61.9	2	211	44	
Middle Atlantic.....	14,886	(X)	(NA)	(X)	42.4	(X)	25.7	(X)	237	(X)	
New York.....	14,880	6	13,825	2	16.5	39	19.5	20	191	50	
New Jersey.....	17,280	2	8,030	18	18.9	36	57.9	4	288	31	
Pennsylvania.....	13,085	15	8,824	12	69.7	19	24.1	16	275	37	
East North Central.....	12,880	(X)	(NA)	(X)	78.4	(X)	19.8	(X)	312	(X)	
Ohio.....	12,453	25	6,745	35	93.0	8	6.3	29	331	17	
Indiana.....	11,855	33	7,458	24	98.9	2	-	32	404	8	
Illinois.....	14,085	8	9,779	5	52.7	28	45.7	6	291	27	
Michigan.....	13,085	20	6,932	32	61.7	13	16.5	23	283	32	
Wisconsin.....	12,715	22	7,146	29	70.5	15	25.7	15	288	36	
West North Central.....	12,575	(X)	(NA)	(X)	74.4	(X)	18.1	(X)	314	(X)	
Minnesota.....	13,436	16	9,351	7	62.9	21	33.8	11	298	28	
Iowa.....	12,213	27	9,158	8	65.0	12	8.9	27	314	22	
Missouri.....	12,859	23	6,731	15	65.7	11	11.4	25	283	32	
North Dakota.....	11,504	34	9,088	10	81.2	8	-	32	451	5	
South Dakota.....	11,377	35	11,770	3	14.4	40	-	32	280	35	
Nebraska.....	12,479	24	9,113	9	49.6	29	41.9	8	306	23	
Kansas.....	12,757	21	6,732	14	74.9	16	21.0	19	365	7	
South Atlantic.....	13,710	(X)	(NA)	(X)	63.2	(X)	25.7	(X)	275	(X)	
Delaware.....	13,572	13	30,886	1	69.1	20	-	32	338	15	
Maryland.....	15,128	7	7,201	27	57.9	22	27.7	13	258	40	
District of Columbia.....	16,708	(X)	19,052	(X)	-	(X)	-	(X)	275	(X)	
Virginia.....	13,979	10	7,581	21	48.3	34	42.5	7	288	29	
West Virginia.....	9,587	48	6,932	32	99.2	1	-	32	378	9	
North Carolina.....	11,239	36	6,402	38	58.9	23	36.3	9	276	38	
South Carolina.....	10,238	42	3,889	50	35.5	35	61.0	3	320	19	
Georgia.....	11,918	31	6,498	36	78.3	15	17.9	21	300	25	
Florida.....	13,314	17	7,555	22	49.3	32	15.9	22	289	43	
East South Central.....	10,394	(X)	(NA)	(X)	81.3	(X)	1.7	(X)	348	(X)	
Kentucky.....	10,354	41	7,389	25	95.4	6	-	32	349	13	
Tennessee.....	11,208	37	6,841	31	87.0	10	-	50	345	14	
Alabama.....	10,088	45	5,944	43	72.8	17	16.2	24	359	12	
Mississippi.....	8,668	50	6,032	42	49.6	29	34.5	10	338	16	
West South Central.....	11,175	(X)	(NA)	(X)	47.2	(X)	6.3	(X)	338	(X)	
Arkansas.....	9,998	46	6,589	37	53.4	25	31.3	12	317	20	
Louisiana.....	9,932	47	6,932	35	29.4	37	24.0	17	719	2	
Oklahoma.....	10,088	44	7,228	26	49.4	31	-	32	365	11	
Texas.....	11,885	32	8,759	13	50.0	28	-	32	529	4	
Mountain.....	11,787	(X)	(NA)	(X)	75.3	(X)	6.3	(X)	388	(X)	
Montana.....	10,785	38	7,571	20	58.7	24	-	32	385	6	
Idaho.....	10,404	40	5,878	44	-	45	-	32	329	18	
Wyoming.....	10,454	39	7,734	19	97.8	3	-	32	682	3	
Colorado.....	13,155	18	6,137	40	90.9	9	-	31	286	39	
New Mexico.....	10,113	43	5,563	46	92.4	7	-	32	317	20	
Arizona.....	12,428	26	6,921	34	49.1	23	25.1	14	256	40	
Utah.....	9,727	48	5,150	48	95.7	4	-	32	287	30	
Nevada.....	13,886	11	6,091	41	80.7	14	-	32	305	24	
Pacific.....	14,880	(X)	(NA)	(X)	2.2	(X)	15.2	(X)	398	(X)	
Washington.....	13,773	12	5,842	45	9.8	41	8.8	28	371	10	
Oregon.....	11,980	30	5,389	47	-	50	11.0	25	286	26	
California.....	15,136	6	7,136	30	-	45	23.3	18	240	42	
Alaska.....	15,724	4	7,546	23	8.4	42	-	32	891	1	
Hawaii.....	13,481	15	9,376	6	-	45	-	32	217	48	

- Represents zero. NA Not available. X Not applicable. ¹ See table 609, 1989 Statistical Abstract, Bureau of Economic Analysis. ² See table 795, 1989 Statistical Abstract, Source: Board of Governors of the Fed System. ³ Source: U.S. Energy Information Administration. ⁴ See table 954, 1989 Statistical Abstract. ⁵ See 1989 Statistical Abstract. ⁶ See table 928, 1989 Statistical Abstract, Source: U.S. Energy Information Administration. Bureau of the Census. ⁷ See table 1012, 1989 Statistical Abstract, Source: U.S. Federal Highway Administration.

State Rankings

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[When States share the same rank, the next lower rank is omitted. Because of rounded data, States may have identical values shown, but different ranks]

DIVISION AND STATE	MOTOR VEHICLE ACCIDENT DEATHS PER 100,000 POPULATION, ¹ 1966		FARMS ²						EXISTING HOME SALES, PERCENT INCREASE, ³ 1966-1967		HOUSING STARTS, PERCENT INCREASE, ⁷ 1966-1967	
			Average value per acre, percent increase, ⁴ 1966-1968		Marketing, cash receipts, ⁵ 1967		Debt/ asset ratio, ⁶ 1967					
	Rate	Rank	Percent	Rank	ML.dol.	Rank	Ratio	Rank	Percent	Rank	Percent	Rank
United States.....	26.6	(X)	-16.9	(X)	126,064	(X)	16.9	(X)	-3	(X)	-16.2	(X)
New England.....	14.8	(X)	(NA)	(X)	1,788	(X)	(NA)	(X)	11.2	(X)	-5.4	(X)
Maine.....	18.6	32	44.4	5	413	42	13.6	36	14.3	7	-8.6	31
New Hampshire.....	17.8	37	43.6	6	104	48	5.1	46	-5.4	40	-25.4	44
Vermont.....	16.4	31	32.3	7	412	43	10.6	42	9.7	10	-	15
Massachusetts.....	13.3	46	49.0	4	369	44	7.4	45	16.6	3	-5.1	25
Rhode Island.....	15.3	41	87.1	1	75	49	4.9	50	-7	30	2.7	14
Connecticut.....	14.0	48	53.2	3	366	45	6.9	46	1.0	22	4.2	12
Middle Atlantic.....	14.6	(X)	(NA)	(X)	6,314	(X)	(NA)	(X)	.9	(X)	-8.4	(X)
New York.....	12.3	49	16.3	9	2,627	21	16.1	34	3.3	19	-19.3	41
New Jersey.....	12.9	47	75.6	2	663	39	6.0	48	-1.4	31	-2.3	20
Pennsylvania.....	16.6	39	20.5	8	3,224	14	11.1	41	.5	24	-6.9	26
East North Central.....	16.2	(X)	(NA)	(X)	20,986	(X)	(NA)	(X)	-2.8	(X)	1.6	(X)
Ohio.....	15.0	43	-12.0	16	3,422	13	15.2	29	.6	23	7.9	8
Indiana.....	16.6	39	-21.6	36	3,672	10	21.9	11	4.3	16	-2.4	21
Illinois.....	14.1	45	-15.2	23	6,174	5	18.0	25	-2.2	36	9.9	7
Michigan.....	16.2	34	-16.9	30	2,504	22	21.7	13	-9.1	46	-3.2	30
Wisconsin.....	16.1	40	-26.6	44	5,017	9	26.5	1	-4.7	38	-4.7	24
West North Central.....	16.1	(X)	(NA)	(X)	36,996	(X)	(NA)	(X)	-1.8	(X)	-1.8	(X)
Minnesota.....	14.4	44	-31.6	47	5,609	6	26.0	2	-7.6	41	-6	16
Iowa.....	15.7	42	-16.4	26	6,780	3	22.8	6	4.6	16	2.6	13
Missouri.....	23.8	16	-13.4	21	3,691	12	16.5	21	-	26	4.4	11
North Dakota.....	17.7	36	-16.9	29	2,306	24	21.2	15	17.9	5	-	15
South Dakota.....	21.5	24	-25.2	42	2,723	20	24.6	4	-1.6	32	-	16
Nebraska.....	19.5	30	-17.6	28	6,623	4	24.3	5	-6.6	43	-16.4	37
Kansas.....	21.1	25	-21.0	36	5,722	7	21.0	17	-	25	-7.4	27
South Atlantic.....	24.4	(X)	(NA)	(X)	16,466	(X)	(NA)	(X)	.8	(X)	-8.6	(X)
Delaware.....	25.3	14	15.4	10	485	41	16.2	22	7.6	14	21.1	4
Maryland.....	17.6	36	-4.0	17	1,126	36	14.2	34	-9.7	47	-7	19
District of Columbia.....	13.8	(X)	(X)	(X)	(X)	(X)	(X)	(X)	-9.5	(X)	20.0	(X)
Virginia.....	19.7	26	4.6	12	1,662	31	12.6	37	-13.3	49	-16.6	40
West Virginia.....	24.5	16	-2.2	15	221	47	9.6	43	-7.8	42	-6.0	28
North Carolina.....	27.3	10	-14.5	22	3,715	11	17.6	26	1.0	21	-15.0	36
South Carolina.....	31.9	4	-2.6	16	691	46	17.3	27	6.0	15	-11.5	33
Georgia.....	26.3	13	-	14	3,067	17	20.9	16	16.5	4	-11.0	32
Florida.....	25.0	15	4.5	13	5,227	8	14.5	32	6.7	12	-2.6	22
East South Central.....	27.4	(X)	(NA)	(X)	6,476	(X)	(NA)	(X)	1.4	(X)	-8.6	(X)
Kentucky.....	22.3	19	-13.2	20	2,417	23	16.6	28	9.4	11	7.0	10
Tennessee.....	26.6	9	12.4	11	1,933	26	11.2	40	-7	29	-6.0	29
Alabama.....	29.1	7	-4.9	18	2,146	25	14.9	30	-1.9	35	-16.9	38
Mississippi.....	29.9	5	-21.3	37	1,979	27	24.7	3	-	25	-19.6	42
West South Central.....	22.5	(X)	(NA)	(X)	16,491	(X)	(NA)	(X)	6.7	(X)	-34.6	(X)
Arkansas.....	26.3	12	-24.0	40	3,143	16	22.3	10	-6.7	44	-13.3	35
Louisiana.....	21.9	22	-43.6	46	1,430	32	23.7	6	16.6	2	-27.1	45
Oklahoma.....	21.9	23	-25.6	43	2,762	19	21.1	16	-9.7	46	-20.4	43
Texas.....	22.2	21	-26.5	46	9,066	2	14.0	35	12.6	6	-36.7	46
Mountain.....	27.7	(X)	(NA)	(X)	10,964	(X)	(NA)	(X)	-3.9	(X)	-23.1	(X)
Montana.....	29.4	6	-26.1	45	1,347	33	21.4	14	-2.5	37	66.7	1
Idaho.....	27.3	11	-21.0	35	2,047	28	22.5	9	-3.5	38	-2.6	23
Wyoming.....	32.1	3	-20.6	34	642	37	12.7	36	-1.6	39	26.6	2
Colorado.....	20.1	27	-16.3	25	3,191	15	19.0	20	-1.7	34	-36.7	48
New Mexico.....	36.6	1	-19.0	31	1,147	34	14.4	23	2.6	20	-17.6	39
Arizona.....	32.7	2	-19.2	32	1,781	30	18.2	22	-6.6	45	-30.2	46
Utah.....	22.2	20	-16.7	27	666	36	12.6	36	-	25	-44.6	50
Nevada.....	26.3	9	-15.7	24	243	46	14.7	31	10.9	8	26.6	3
Pacific.....	26.6	(X)	(NA)	(X)	26,612	(X)	(NA)	(X)	3.7	(X)	-8.6	(X)
Washington.....	17.1	36	-24.3	41	2,841	18	20.0	19	-13.8	50	19.5	5
Oregon.....	24.0	17	-16.6	33	1,891	29	21.9	12	7.8	13	15.3	6
California.....	20.5	26	-22.3	38	15,622	1	23.5	7	4.6	17	-13.3	34
Alaska.....	16.4	39	(NA)	(X)	29	50	6.8	47	26.2	1	-31.3	47
Hawaii.....	11.7	50	(NA)	(X)	669	40	8.2	44	15.0	9	7.7	9

- Represents zero. NA Not available. X Not applicable. ¹ See table 1016, 1969 Statistical Abstract. Source: U.S. National Center for Health Statistics. ² Source: U.S. Department of Agriculture, Economic Research Service. ³ See table 1066, 1969 Statistical Abstract. Covers land and buildings. Minus sign (-) indicates decrease. ⁴ See table 1100, 1969 Statistical Abstract. ⁵ See table 1099, 1969 Statistical Abstract. ⁶ See table 1237, 1969 Statistical Abstract. Source: NATIONAL ASSOCIATION OF REALTORS, Washington, DC. (Copyright). ⁷ See table 1230, 1969 Statistical Abstract. Source: National Association of Home Builders, Washington, DC.

State Rankings

[When States share the same rank, the next lower rank is omitted. Because of rounded data, States may have identical shown, but different ranks]

DIVISION AND STATE	MANUFACTURING ESTABLISHMENTS ^{1,2}				EXPORT-RELATED MANUFACTURING EMPLOYMENT, ³ 1984				EXPORTS, ⁴ 1987		RET. SAL PER CA 1981
	Value added, 1986		Production workers, percent increase 1982-1986		Total		Percent of total manufacturing				
	Bill. dol.	Rank	Percent	Rank	Number (1,000)	Rank	Percent	Rank	Mill. dol.	Rank		Dollars
United States	1,035.8	(x)	-8.1	(x)	2,179	(x)	11.4	(x)	* 189,153	(x)	5,348
New England	72.0	(x)	-10.4	(x)	185	(x)	13.4	(x)	(NA)	(x)	8,018
Maine	4.8	37	-10.5	41	11	38	10.3	30	500	41	7,537
New Hampshire	5.2	35	-8.0	33	14	34	11.9	17	710	35	9,200
Vermont	2.2	42	-8.7	31	7	41	15.2	4	562	38	7,924
Massachusetts	33.9	11	-10.3	39	91	8	13.8	7	8,967	9	8,011
Rhode Island	4.4	39	-8.4	34	12	35	10.5	27	383	43	6,847
Connecticut	21.4	18	-10.2	38	60	12	14.4	5	2,616	19	8,193
Middle Atlantic	183.2	(x)	-12.2	(x)	357	(x)	11.1	(x)	(NA)	(x)	8,311
New York	73.3	2	-14.8	45	151	2	11.2	21	14,973	3	8,097
New Jersey	37.9	8	-12.0	43	79	9	10.6	26	5,024	12	7,148
Pennsylvania	52.1	7	-12.0	44	127	4	11.3	20	4,842	13	6,063
East North Central	245.3	(x)	.1	(x)	505	(x)	11.9	(x)	(NA)	(x)	8,086
Ohio	66.2	3	1.2	12	144	3	12.8	11	7,572	8	8,044
Indiana	35.0	10	-7	21	72	10	11.8	18	3,185	16	6,196
Illinois	58.6	4	-10.4	40	117	6	11.0	22	8,864	10	8,150
Michigan	56.8	5	11.5	1	118	5	12.5	14	12,968	4	8,240
Wisconsin	28.8	13	9	13	54	13	10.7	24	3,077	17	5,714
West North Central	76.3	(x)	-1.1	(x)	140	(x)	10.7	(x)	(NA)	(x)	8,215
Minnesota	18.8	19	.5	15	47	16	12.7	13	3,321	15	8,807
Iowa	13.2	24	-9.3	36	20	28	10.1	34	1,395	29	5,795
Missouri	24.0	14	4	16	43	17	10.4	29	1,829	25	6,271
North Dakota	7	46	-10.0	37	2	44	11.4	19	232	46	8,454
South Dakota	1.5	44	5.6	3	2	44	6.7	47	50	48	5,780
Nebraska	5.4	34	-1.6	25	9	39	10.0	35	559	38	5,941
Kansas	11.7	27	3.5	7	17	31	9.2	39	1,171	31	5,799
South Atlantic	158.0	(x)	-4	(x)	278	(x)	9.1	(x)	(NA)	(x)	8,543
Delaware	3.0	40	-6.3	30	9	38	12.8	11	611	37	7,224
Maryland	12.4	26	-8.9	35	24	27	10.7	24	1,467	27	7,110
District of Columbia	1.3	(x)	-	(x)	1	(x)	3.9	(x)	125	(x)	5,472
Virginia	24.0	15	3.8	5	37	20	9.0	41	5,642	11	6,798
West Virginia	4.8	38	-6.2	29	11	36	13.1	9	1,020	32	5,401
North Carolina	42.2	6	-1.5	23	69	11	8.3	43	4,486	14	5,865
South Carolina	16.5	20	-3.9	27	34	21	9.4	38	1,729	28	5,550
Georgia	28.8	12	4.3	4	42	18	7.7	45	3,009	18	6,374
Florida	23.1	17	1.4	9	46	14	10.2	32	7,624	7	7,136
East South Central	64.1	(x)	-	(x)	114	(x)	8.9	(x)	(NA)	(x)	8,365
Kentucky	15.9	21	-1.7	26	26	24	10.3	30	1,833	24	5,533
Tennessee	23.6	16	.9	14	42	16	8.7	42	1,902	22	5,802
Alabama	15.6	23	-8	22	31	22	9.1	40	1,850	23	4,936
Mississippi	9.0	33	1.3	11	15	33	7.0	46	973	33	4,742
West South Central	88.8	(x)	-16.8	(x)	171	(x)	11.2	(x)	(NA)	(x)	8,089
Arkansas	9.2	31	1.3	10	16	32	8.1	44	519	40	5,079
Louisiana	12.8	25	-23.9	48	19	29	10.2	32	9,775	6	5,641
Oklahoma	9.0	32	-17.4	46	19	29	11.0	22	842	34	5,961
Texas	56.1	6	-19.0	47	117	6	12.0	16	19,706	2	6,347
Mountain	31.8	(x)	-1.8	(x)	78	(x)	13.2	(x)	(NA)	(x)	8,147
Montana	9	47	-	17	1	48	6.3	48	239	45	5,751
Idaho	2.6	41	2.9	8	5	42	9.7	37	423	42	5,262
Wyoming	4	50	-26.6	49	1	48	5.9	49	6	50	7,769
Colorado	10.4	28	-10.9	42	27	23	14.0	6	1,422	28	8,881
New Mexico	1.9	43	-	17	3	43	9.9	36	132	48	5,707
Arizona	9.5	30	8.9	2	25	24	15.9	3	2,528	20	6,036
Utah	5.0	36	3.7	6	11	36	12.1	15	658	36	4,871
Nevada	1.2	46	-	17	2	44	10.5	27	309	44	7,989
Pacific	140.2	(x)	-6.1	(x)	347	(x)	13.7	(x)	(NA)	(x)	8,519
Washington	15.7	22	-6.7	32	48	14	17.2	2	10,591	5	6,064
Oregon	9.9	29	-1.5	24	25	26	13.0	10	2,269	21	5,941
California	113.0	1	-5.0	28	271	1	13.3	8	27,467	1	6,739
Alaska	5	49	-30.0	50	2	44	26.7	1	1,269	30	6,047
Hawaii	1.2	45	-	17	1	48	3.1	50	152	47	6,630

Represents zero. NA Not available. X Not applicable. ¹Source: U.S. Bureau of the Census. ²See 1268, 1989 Statistical Abstract. Minus sign (-) indicates decrease. ³See table 1281, 1989 Statistical Abstract. ⁴See 1370, 1989 Statistical Abstract. ⁵See table 1337, 1989 Statistical Abstract. Source: Market Statistics, New York (Copyright). ⁶Total U.S. exports amounted to \$252,666 million in 1987. However, only the \$189,153 million shown is allocated by state of origin.



Telephone Contact List

To help *Abstract* users find more data and information about statistical publications, we are issuing this list of contacts for Federal agencies with major statistical programs. The intent is to give a single, first-contact point-of-entry for users of statistics. These agencies will provide general information on their statistical programs and publications, as well as specific information on how to order their publications.

Executive Office of the President

Office of Management and Budget
Administrator
Office of Information and Regulatory Affairs
Office of Management and Budget
Washington, DC 20503
Information: (202)395-3000
Publications: (202)395-7332

Department of Agriculture

Economic Research Service
Information Division
Economic Research Service
U.S. Department of Agriculture
Room 208
1301 New York Ave., N.W.
Washington, DC 20005
Information and Publications: (202)786-1515

National Agricultural Statistics Service
National Agricultural Statistics Service
U.S. Department of Agriculture
14th St. and Independence Ave., S.W.
Washington, DC 20250
Information and Publications: (202)447-4021

Department of Commerce

U.S. Department of Commerce
Room 5058 Main Commerce
14th St. and Constitution Ave., N.W.
Washington, DC 20230
Press release information on statistical series: (202) 377-4901
Recording for release times: (202)393-1847

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Customer Services Branch
Data User Services Division
Bureau of the Census
U.S. Department of Commerce
Washington, DC 20233
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Bureau of Economic Analysis
Current Business Analysis Division
Bureau of Economic Analysis
U.S. Department of Commerce
Washington, DC 20230
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Trade Statistics Division
Office of Trade and Investment Analysis
International Trade Administration
Room 2814 B, Box 2217
U.S. Department of Commerce
Washington, DC 20230
Information and Publications: (202)377-4211

National Oceanic and Atmospheric Administration
National Oceanic and Atmospheric Administration Library
U.S. Department of Commerce
11009 Executive Blvd.
Rockville, MD 20852
Library and Information: (301)443-8330

Department of Defense**Department of Defense**

Office of the Assistant Secretary of Defense (Public Affairs)

Attention: Directorate for Public Correspondence

The Pentagon, 2E777

Washington, DC 20301-1400

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Washington, DC 20208-5841

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U.S. Department of Health and Human Services

5100 Fishers Lane

Parklawn Building 14-05

Rockville, MD 20857

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U.S. Department of Health and Human Services

5600 Fishers Lane

Room 12C15

Rockville, MD 20857

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Department of Health and Human Services

Con.

Centers for Disease Control

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Centers for Disease Control

1600 Clifton Road, N.E.

Atlanta, GA 30333

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Health Care Financing Administration

Office of Public Affairs

Health Care Financing Administration

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~~Office of the Assistant Secretary~~
Community Planning and Development

U.S. Department of Housing and Urban Development

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Public Inquiries Office
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U.S. Department of the Interior
503 National Center
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U.S. Department of Justice
633 Indiana Ave., N.W.
Washington, DC 20531
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National Criminal Justice Reference Service
User Services, Dept. 2
Box 8000
Rockville, MD 20850
Publications: 1-800-732-3277

Federal Bureau of Investigation

National Crime Information Center
Federal Bureau of Investigation
U.S. Department of Justice
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Washington, DC 20535
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Immigration and Naturalization Service

Statistics Branch
Immigration and Naturalization Service
U.S. Department of Justice
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Washington, DC 20536
Attorney's Office
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Office of Publications and Information Services
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U.S. Department of Labor
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APA 200
Federal Aviation Administration
U.S. Department of Transportation
800 Independence Ave., S.W.
Washington, DC 20591
Information and Publications: (202)267-3484

Federal Highway Administration

Office of Public Affairs
Federal Highway Administration
U.S. Department of Transportation
400 7th St., S.W.
Washington, DC 20590
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National Highway Traffic Safety Administration

Office of Public Affairs
National Highway Traffic Safety Administration
U.S. Department of Transportation
400 7th St., S.W.
Washington, DC 20590
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Publications: (202)366-2588

Department of the Treasury*Internal Revenue Service*

Statistics of Income Division

Internal Revenue Service

U.S. Department of the Treasury

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Washington, DC 20224

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Public Information Center PM-211B

Environmental Protection Agency

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Division of Research and Statistics

Federal Reserve Board

Washington, DC 20551

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National Science Foundation

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Section 1

Population

This section presents statistics on the growth, distribution, and characteristics of the U.S. population. The principal source of these data is the Bureau of the Census, which conducts a decennial census of population, a monthly population survey, a program of population estimates and projections, and a number of other periodic surveys relating to population characteristics. For a list of relevant publications, see the Guide to Sources in Appendix I.

Decennial censuses.—The U.S. Constitution provides for a census of the population every 10 years, primarily to establish a basis for apportionment of members of the House of Representatives among the States. For over a century after the first census in 1790, the census organization was a temporary one, created only for each decennial census. In 1902, the Bureau of the Census was established as a permanent Federal agency, responsible for enumerating the population and also for compiling statistics on other subjects.

The census of population is a complete count. That is, an attempt is made to account for every person, for each person's residence, and for other characteristics (sex, age, family relationships, etc.). Since the 1940 census, in addition to the complete count information, some data have been obtained from representative samples of the population. In the 1980 census, two sampling rates were employed. For most of the country, one in every six households (about 17 percent) received the long form or sample questionnaire; in areas estimated to have fewer than 2,500 inhabitants, every other household (50 percent) received the sample questionnaire to enhance the reliability of sample data in small areas. Exact agreement is not to be expected between sample data and the complete census count. Sample data may be used with confidence where large numbers are involved and assumed to indicate trends and relationships where small numbers are involved.

Three different census counts for the resident population in 1970 are shown in the tables: 203,211,928; 203,235,298; and 203,302,031. The first is the initial tabulated count, the second is the official count, and the third contains the latest revisions. Breakdowns of the revised count of 203,302,031 are not available for demographic characteristics and may not be available for some levels of geography. The complete count data from the 1980 census shown in this edition are consistent with figures published in the 1980 census final reports, series PC80-1-A.

Census data presented here have not been adjusted for underenumeration. Results from the evaluation program for the 1980 census did not produce a definitive estimate of the undercount, but did show that coverage improved substantially over previous censuses. The 1980 Post-Enumeration Program (PEP) estimates of overall coverage ranged between a 1.0 percent overcount and a 2.1 percent undercount; Demographic Analysis (DA) estimated the net undercount at between 1.0 and 2.2 percent. Consistent estimates of census coverage for the last 5 censuses (1940-80) have been prepared by the method of demographic analysis. For one set of estimates, demographic analysis shows a net underenumeration of about 3.2 million persons in 1980, 8.1 million in 1970, and 6.2 million in 1960. Among the persons not counted in 1980 about 1.5 million were white-and-other races and 1.7 million were black. The overall rate of net underenumeration in 1980, according to this set of estimates, was 1.4 percent. In 1970, the rate was 2.9 percent as compared with 3.3 percent in 1960 and 4.4 percent in 1950. The percent net undercount of blacks—while still high relative to the rest of the population—dropped from 8.0 percent in 1970 to 5.9 percent in 1980. See *The Coverage of Population in the 1980 Census, Evaluation and Research Reports*, PHC80-E4, for a discussion of the various estimates of census coverage.

Current Population Survey (CPS).—This is a monthly nationwide survey of a scientifically selected sample representing the noninstitutional civilian population. The sample is located in 729 areas comprising approximately 1,200 counties and independent cities with coverage in every State and the District of Columbia and is subject to sampling error. At the present time, about 66,000 housing units or other living quarters are assigned for interview at any time, of which about 55,000 are occupied by households eligible for interview; of these, in turn, between 4 and 5 percent are, for various reasons, unavailable for interview.

While the primary purpose of CPS is to obtain monthly statistics on the labor force, it also as a vehicle for inquiries on other subjects. Using CPS data, the Bureau issues a series of publications under the general title of Current Population Reports, which cover population characteristics (series P-20), consumer income (series P-60), special studies (series P-23), and other topics.

Estimates of population characteristics based on the 1980 CPS will not necessarily agree with the counts from the 1980 census because the CPS and the 1980 census used different procedures for collecting and processing the data for racial groups, the Hispanic population, and other groups. Caution should also be used when comparing estimates for 1980 and later, (for education, to 1981 and later), which reflect 1980 census-based population controls, to those for 1971 and 1979 (for education, to 1980), which reflect 1970 census-based population controls. This change in population controls had relatively little impact on derived measures such as means, median, and percent distribution, but did have a significant impact on levels. For example, use of 1980 census-based population controls resulted in about a 2-percent increase in the civilian noninstitutional population and in the number of families and households. Thus, estimates of levels for 1980 and later differ from those for earlier years by more than what could be attributed to actual changes in the population and these differences could be disproportionately greater for subpopulation groups than for the total population.

COMPONENTS OF SELECTED POPULATION UNIVERSES: MARCH 1, 1987
[In thousands]

POPULATION UNIVERSE	Number
Total population including Armed Forces overseas	
Armed Forces overseas	
Resident population.....	
Armed Forces in the United States	
Living off post or with their families on post.....	
Living on post without families.....	
Civilian population.....	
Institutional population.....	
Noninstitutional population.....	
Civilian noninstitutional population plus Armed Forces living off post or with their families on post (March Current Population Survey universe).....	
Civilian noninstitutional population (Current Population Survey universe in months other than March)	

Population estimates and projections.—National population estimates are derived by using decennial census data as benchmarks and data available from various agencies as follows: Births and deaths (National Center for Health Statistics); immigrants (Immigration and Naturalization Service); Armed Forces (Department of Defense and Department of Transportation); net movement between Puerto Rico and the U.S. mainland (Puerto Rico Planning Board); and Federal employees (Office of Personnel Management and Department of Defense). Estimates for States and counties are based on data series such as births and deaths, school statistics from State departments of education and parochial school systems, and Federal income tax returns. These estimates include an estimated emigration of 160,000 per year since 1980 and net undocumented immigration of 200,000 per year. For further information, see *Current Population Reports*, series P-25, No. 1.

The estimates of the components of change shown for intercensal periods for States include residual net migration plus the "error of closure," the unexplained difference between the estimated population at the end of the decade and the census count for that date. The error of closure at the national level was quite small during the 1950's (3,000) and 1980's (379,000). However, in the 1970's it amounts to almost 5 million.

National population projections indicate the approximate future level and characteristics of the population under given assumptions as to future fertility, mortality, and net immigration. The method used to develop the projections involves preparation of projections of each of the components of population change—births, deaths, and net immigration—and the combination of these with estimates of the current population. Projections for States incorporate further assumptions about the redistribution of population as a consequence of internal migration.

Population estimates and projections are published in the P-25 and P-26 series of *Current Population Reports*. These estimates and projections are generally consistent with official decennial census figures and do not reflect the amount of estimated census underenumeration. However, these estimates and projections by race have been modified and are not comparable to the

census race categories (see section below under "race"). For details on methodology, see the sources cited below the individual tables.

Immigration.—The principal source of immigration data is the *Statistical Yearbook of the Immigration and Naturalization Service*, published annually by the Immigration and Naturalization Service (INS), a unit of the Department of Justice. Immigration statistics are prepared from entry visas and change of immigration status forms. The collection of U.S. immigration statistics began under the Act of 1819. Data on persons arriving in ports were transmitted to the U.S. Secretary of State, who reported the information periodically to Congress. Subsequently, reports to the Secretary of State and to Congress were required by law, as well as the collection of data on immigrants arriving at land borders. Beginning in 1906, those arriving were divided into immigrants and nonimmigrants, depending on how long they intended to remain in the United States.

Immigrants are aliens admitted for legal permanent residence in the United States. The procedures for admission depend on whether the alien is residing inside or outside the United States at the time of application for permanent residence. Eligible aliens residing outside the U.S. are issued immigrant visas by the U.S. Department of State. Eligible aliens residing in the U.S. are allowed to change their status from temporary to permanent residence at INS district offices. The category, immigrant, includes persons who may have entered the U.S. as nonimmigrants or refugees, but who subsequently changed their status to that of a permanent resident. Thus, immigrants as measured in tables 6 through 9 and 11 and 12 do not equal net civilian immigration as shown in table 5. Nonresident aliens admitted to the United States for a temporary period are nonimmigrants (tables 406 and 407). Refugees are considered nonimmigrants when initially admitted into the U.S.

U.S. immigration law gives preferential immigration status to aliens who are related to certain U.S. citizens or legal permanent residents, aliens with needed job skills, or aliens who qualify as refugees. Immigration to the United States can be divided into two general categories: (1) those subject to the annual worldwide limitation, and (2) those exempt from it. A maximum of 270,000 immigrants may be admitted annually under the current worldwide limitation. Visa allocation is determined by a system consisting of six preference categories, each with its own numerical limitation. The first, second, fourth, and fifth preferences are based on the alien's relationship with a U.S. citizen or legal permanent resident, and the third and sixth preferences are based on needed job skills (see table 9). Aliens not eligible for any of the six preferences may qualify for the nonpreference category. Heavy demand for preference visas has resulted in no nonpreference visas being issued since 1978. These exempt from the worldwide limitation include immediate relatives of U.S. citizens, refugees and asylees adjusting to permanent residence, and other various classes of special immigrants (see table 9).

Effective November 1966, Cubans admitted or paroled (i.e., admitted without an immigration visa) into the United States after January 1, 1959, and present in the United States for at least 2 years, may obtain permanent resident status. A court decision in September 1976 exempted Cuban refugees from numerical limitations, retroactive to 1968. The Refugee Act of 1980 changed the residency requirement from two years to one year. Beginning in fiscal year 1985, INS began adjusting eligible Cuban entrants who were admitted to the U.S. as part of the Mariel boat lift of 1980, which consisted of approximately 125,000 people.

Effective October 28, 1977, refugees from Vietnam, Laos, or Cambodia were eligible to apply for permanent resident status. Public Law 95-145 provided that Indochinese paroled into the United States after March 31, 1975, or physically present on that date, may become permanent residents after living for at least 2 years in the United States. This period was changed to one year under the Refugee Act of 1980. P.L. 95-145 expired on October 18, 1983. Indochinese refugees who entered the U.S. between March 1975 and April 1980 are eligible to adjust status under P.L. 95-412, the Act of October 5, 1978, which allows for the adjustment of refugee-parolees.

The Refugee Act of 1980, effective April 1, 1980, provides for a uniform admission procedure for refugees of all countries, based on the United Nation's definition of refugees. Authorized admission ceilings are set annually by the President in consultation with Congress. After one year of residence in the United States, refugees are eligible for immigrant status.

Metropolitan Statistical Areas (MSA's), Consolidated Metropolitan Statistical Areas (CMSA's), and Primary Metropolitan Statistical Areas (PMSA's).—The general concept of an MSA is one of a large population nucleus together with adjacent communities which have a high degree of social and economic integration with that nucleus. CMSA's are large metropolitan complexes within which individual components, designated as PMSA's, have been defined. MSA's, CMSA's, and PMSA's are defined by the Office of Management and Budget as a standard for Federal agencies in the preparation and publication of statistics relating to metropolitan areas. The new terms MSA, CMSA, and PMSA went into effect June 30, 1983, replacing the previous terms SMSA (standard metropolitan statistical area) and SCSA (standard consolidated statistical area). The

entire territory of the United States is classified as metropolitan (inside MSA's or CMSA's) or nonmetropolitan (outside MSA's or CMSA's). MSA's, CMSA's, and PMSA's are defined in terms of counties except in New England, where the definitions are in terms of cities and towns. To summarize data for New England that are available only by counties, New England County Metropolitan Areas (NECMA's) have been defined as a convenience for data users. From time to time new metropolitan areas are created and the boundaries of others change. As a result, data on metropolitan areas over time may not be comparable and the analysis of historical trends must be made cautiously. For descriptive details, tables showing changes in metropolitan area definitions, and a listing of area titles and components of each metropolitan area, see Appendix II.

Urban and rural.—According to the 1980 census definition, the urban population comprises persons living in (a) places of 2,500 or more inhabitants incorporated as cities, villages, boroughs (except in Alaska and New York), and towns (except in the New England States, New York, and Wisconsin), but excluding those persons living in the rural portions of extended cities (places with low population density in one or more large parts of their area); (b) census designated places (previously termed unincorporated) of 2,500 or more inhabitants; and (c) other territory, incorporated or unincorporated, included in urbanized areas. An urbanized area consists of a central city or town and its surrounding area, together with contiguous closely settled territory, that combined have a total population of at least 50,000.

In censuses prior to 1950, the urban population comprised all persons living in incorporated places of 2,500 or more inhabitants and areas (usually minor civil divisions) classified as urban under special rules relating to population size and density. To improve its measure of the urban population, the Bureau of the Census in 1950 adopted the concept of the urbanized area and created boundaries for unincorporated places. The 1950 definition has continued substantially unchanged, except for minor modifications in 1980, the introduction of the extended city concept in 1970, and changes in the criteria for defining urbanized areas for 1980 so as to permit such areas to be defined around smaller centers. In all definitions, the population not classified as urban constitutes the rural population.

Residence.—In determining residence, the Bureau of the Census counts each person as a resident of a usual place of residence (i.e., the place where one usually eats and sleeps). When the place is not necessarily a person's legal residence or voting residence, the use of these different bases of classification would produce the same results in the vast majority of cases.

Race.—In the 1980 census, 15 groups were listed in the race item on the 1980 census questionnaire: White, Black, American Indian, Eskimo, Aleut, Chinese, Filipino, Japanese, Asian or Pacific Islander, Korean, Vietnamese, Hawaiian, Samoan, Guamanian, and Other. The concept of race as used by the Census Bureau does not denote any clear-cut scientific definition of biological stock. Since the 1980 census obtained information on race through self-identification by respondents, the data represent self-classification by people according to the race with which they identify.

In 1980, if persons of mixed racial parentage could not provide a single response to the question, the race of the person's mother was used; however, if a single response could not be provided for the mother, then the first race reported by the person was used. This is a modification of the 1970 census procedure in which the race of the person's father was used.

The 1980 population totals for "White" and "Other" are not comparable with corresponding figures from previous censuses. The lack of comparability is due to changes in the way respondents reported their race as well as changes in 1980 census procedures related to the classification. (For a fuller explanation, see *1980 Census of Population, Volume 1, General Population Characteristics* (PC80-1-B).)

Estimates of the population by race for April 1, 1980 (shown in tables 18 and 21) are based on race counts and are not comparable to the 1980 census race categories. These estimates were compiled using 1980 census data by race which had been modified to be consistent with the race categories used in the reporting of vital statistics by the U.S. National Center for Health Statistics. A detailed explanation of the race modification procedure appears in *Current Population Reports*, P-25, No. 917.

In the Current Population Survey (CPS) and other household sample surveys in which data are obtained through personal interview, respondents are asked to classify their race as: (1) White, (2) Black, (3) American Indian, Aleut, or Eskimo, or (4) Asian or Pacific Islander. The procedures for classifying persons of mixed races who could not provide a single response to the race question are generally similar to those used in the 1980 census. For comments on comparability of CPS and census data, see section above on Current Population Survey.

Hispanic population.—In the 1980 census, the Bureau of the Census collected data on the Hispanic origin population in the United States by using a self-identification question. Persons of Spanish/Hispanic origin or descent are those who classified themselves in one of the specific His-

origin categories listed on the questionnaire—Mexican, Puerto Rican, Cuban, or Other Spanish/Hispanic origin. The 1980 figures on Hispanic origin are not directly comparable with 1970 census data on Hispanic origin because of factors such as overall improvements in the 1980 census and improved question design. Also, it should be noted that Hispanic persons may be of any race.

In the Current Population Survey (CPS), information on Hispanic persons was gathered by using a self-identification question. Persons classified themselves in one of the Hispanic categories in response to the question: "What is the origin or descent of each person in this household?" Hispanic persons in the CPS were persons who reported themselves as Mexican-American, Chicano, Mexican, Puerto Rican, Cuban, Central or South American (Spanish countries), or other Hispanic origin.

Nativity.—The native population consists of all persons born in the U.S., Puerto Rico, or an outlying area of the U.S. It also includes persons born at sea or in a foreign country who have at least one American parent. All others are classified as "foreign born."

Mobility status.—The U.S. population is classified according to mobility status on the basis of a comparison between the place of residence of each individual at the time of the survey or census and the place of residence at a specified earlier date. Nonmovers are all persons who were living in the same house or apartment at the end of the period as at the beginning of the period. Movers are all persons who were living in a different house at the end of the period from that in which they were living at the beginning of the period. Movers from abroad include all persons, either citizens or aliens, whose place of residence was outside the U.S. at the beginning of the period; that is, in Puerto Rico, an outlying area under the jurisdiction of the U.S., or a foreign country.

Living arrangements.—Living arrangements refer to residency in households or in group quarters. A "household" comprises all persons who occupy a "housing unit," that is, a house, an apartment or other group of rooms, or a single room that constitutes "separate living quarters." A household includes the related family members and all the unrelated persons, if any, such as lodgers, foster children, wards, or employees who share the housing unit. A person living alone or a group of unrelated persons sharing the same housing unit is also counted as a household. See text, section 26, Construction and Housing, for definition of "housing unit."

All persons not living in households are classified as living in group quarters. These individuals may be institutionalized, e.g., under care or custody in juvenile facilities, jails, correctional centers, hospitals, or rest homes; or they may be residents in college dormitories, military barracks, rooming houses, etc. (see table 76).

Householder.—Since 1980, the terms "householder" and "family householder" have been used in the presentation of data that had previously been presented with the designations "head of household" and "head of family". The householder is the first adult household member listed on the questionnaire. The instructions call for listing first the person (or one of the persons) in whose name the home is owned or rented. If a home is owned or rented jointly by a married couple, either the husband or the wife may be listed first. Prior to 1980, the husband was always considered the household head (householder) in married-couple households.

Family.—The term "family" refers to a group of two or more persons related by birth, marriage, or adoption and residing together in a household. A family includes among its members the householder.

Subfamily.—Subfamilies are divided into "related" and "unrelated" subfamilies. A related subfamily consists of a married couple and their children, if any, or one parent with one or more never married children under 18 years old living in a household and related to, but not including, the householder. Members of a related subfamily are also members of the family with whom they live. The number of related subfamilies, therefore, is not included in the number of families. An unrelated subfamily comprises two or more persons such as guests, lodgers, or resident employees who are related to each other but not to householder.

Married couple.—A "married couple" is defined as a husband and wife living together in the same household, with or without children and other relatives.

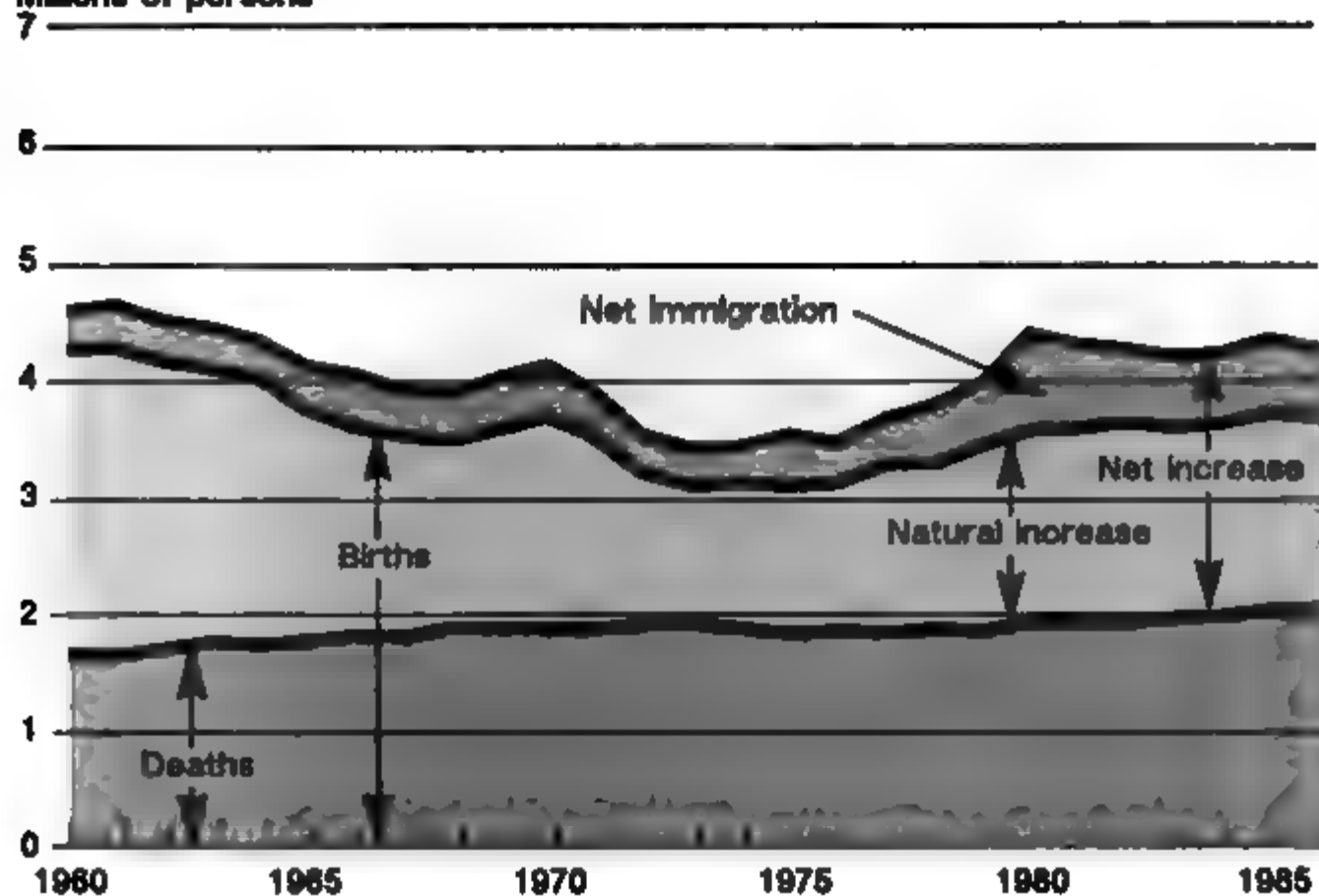
Unrelated individuals.—"Unrelated individuals" are persons (other than inmates of institutions) who are not living with any relatives. An unrelated individual may be a nonfamily householder who lives alone or with nonrelatives only, or a secondary individual such as a guest, lodger, or resident employee who is not related to any other persons in the household. Persons in group quarters, except inmates of institutions, are classified as secondary individuals.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

Figure 1.1
Components of Population Change: 1960 to 1987

Millions of persons



Source: Chart prepared by U.S. Bureau of the Census. For data see table 5.

Figure 1.2
State Population-Percent Change: 1960 to 1987



Source: Chart prepared by U.S. Bureau of the Census. For data see table 25.

No. 1. POPULATION AND AREA: 1790 TO 1980

[Area figures represent area on indicated date including in some cases considerable areas not then organized or settled, and not covered by the census. Total area figures for 1790-1970 have been recalculated on the basis of the remeasurement of States and counties for the 1980 census. The land and water area figures for past censuses have not been adjusted and are not strictly comparable with the total area data for comparable dates because the land areas were derived from different base data, and these values are known to have changed with the construction of reservoirs, draining of lakes, etc. Density figures are based on land area measurements as reported in earlier censuses. For additional area data, see table 332]

CENSUS DATE	RESIDENT POPULATION				AREA (square miles)		
	Number	Per square mile of land area	Increase over preceding census		Gross	Land	Water
			Number	Percent			
CONTERMINOUS U.S. ¹							
1790 (Aug. 2)	3,929,214	4.5	(x)	(x)	891,364	864,746	24,065
1800 (Aug. 4)	5,308,483	6.1	1,379,269	35.1	891,364	864,746	24,065
1810 (Aug. 6)	7,239,881	4.3	1,931,398	36.4	1,722,685	1,681,828	34,175
1820 (Aug. 7)	9,638,453	5.5	2,398,572	33.1	1,792,552	1,749,462	38,544
1830 (June 1)	12,866,020	7.4	3,227,567	33.5	1,792,552	1,749,462	38,544
1840 (June 1)	17,069,453	9.8	4,203,433	32.7	1,792,552	1,749,462	36,544
1850 (June 1)	23,191,876	7.9	6,122,423	35.9	2,991,655	2,940,042	52,705
1860 (June 1)	31,443,321	10.6	8,251,445	35.6	3,021,295	2,969,640	52,747
1870 (June 1)	² 39,818,449	² 13.4	8,375,128	26.6	3,021,295	2,969,640	52,747
1880 (June 1)	50,155,783	16.9	10,337,334	26.0	3,021,295	2,969,640	52,747
1890 (June 1)	62,947,714	21.2	12,791,931	25.5	3,021,295	2,969,640	52,747
1900 (June 1)	75,994,575	25.6	13,046,861	20.7	3,021,295	2,969,834	52,553
1910 (Apr. 15)	91,972,266	31.0	15,977,691	21.0	3,021,295	2,969,565	52,822
1920 (Jan. 1)	105,710,820	35.6	13,738,354	14.9	3,021,295	2,969,451	52,936
1930 (Apr. 1)	122,775,046	41.2	17,064,426	16.1	3,021,295	2,977,128	45,259
1940 (Apr. 1)	131,669,275	44.2	8,894,229	7.2	3,021,295	2,977,128	45,259
1950 (Apr. 1)	150,697,361	50.7	19,028,086	14.5	3,021,295	2,974,726	47,681
1960 (Apr. 1)	178,464,236	60.1	27,766,875	18.4	3,021,295	2,968,054	54,207
UNITED STATES							
1850 (Apr. 1)	151,325,798	42.6	19,161,229	14.5	3,618,770	3,552,206	63,005
1900 (Apr. 1)	179,323,175	50.6	27,997,377	18.5	3,618,770	3,540,911	74,212
1970 (Apr. 1)	³ 203,302,031	³ 57.4	23,978,856	13.4	3,618,770	³ 3,540,023	³ 78,444
1980 (Apr. 1)	226,545,805	64.0	23,243,774	11.4	3,618,770	3,539,259	79,481

X Not applicable. ¹ Excludes Alaska and Hawaii. ² Revised to include adjustments for underenumeration in southern States; unrevised number is 38,558,371 (13.0 per square mile). ³ Figures corrected after 1970 final reports were issued.
Source: U.S. Bureau of the Census, *U.S. Census of Population: 1920 to 1980*, vol. I; and other reports and unpublished data. See also *Areas of the United States, 1940*, and *Area Measurement Reports, 1960*, series GE-20, No. 1.

No. 2. POPULATION: 1900 TO 1988

[In thousands, except percent. Estimates as of July 1. Prior to 1940, excludes Alaska and Hawaii. Total population includes Armed Forces abroad; civilian population excludes Armed Forces. For basis of estimates, see text, section 1. See also *Historical Statistics, Colonial Times to 1970*, series A 6-8]

YEAR	Resi- dent popula- tion	YEAR	TOTAL		Resi- dent popula- tion	Civilian popula- tion	YEAR	TOTAL		Resi- dent popula- tion	Civilian popula- tion
			Popula- tion	Per- cent change				Popula- tion	Per- cent change		
1900.....	78,094	1950.....	152,271	1.7	151,968	150,790	1970.....	205,052	1.2	203,984	201,895
1905.....	83,822	1951.....	154,878	1.7	153,982	151,599	1971.....	207,661	1.3	206,827	204,866
1910.....	92,407	1952.....	157,553	1.7	156,393	153,892	1972.....	209,896	1.1	209,284	207,511
1915.....	100,546	1953.....	160,164	1.7	158,956	156,595	1973.....	211,909	1.0	211,357	209,600
1920.....	106,461	1954.....	163,026	1.8	161,884	159,895	1974.....	213,854	.9	213,342	211,636
1925.....	115,829	1955.....	165,931	1.8	165,069	162,967	1975.....	215,973	1.0	215,465	213,788
1930.....	123,077	1956.....	168,903	1.8	168,066	166,055	1976.....	218,035	1.0	217,563	215,894
1935.....	127,250	1957.....	171,984	1.8	171,167	169,110	1977.....	220,239	1.0	219,760	218,106
1940.....	132,457	1958.....	174,882	1.7	174,149	172,226	1978.....	222,585	1.1	222,095	220,467
1941.....	133,669	1959.....	177,830	1.7	177,135	175,277	1979.....	225,055	1.1	224,567	222,969
1942.....	134,617	1960.....	180,671	1.6	179,979	178,140	1980.....	227,757	1.2	227,255	225,651
1943.....	136,107	1961.....	183,691	1.7	182,992	181,143	1981.....	230,138	1.0	229,637	227,989
1944.....	133,915	1962.....	186,536	1.5	185,771	183,677	1982.....	232,520	1.0	231,996	230,327
1945.....	133,434	1963.....	189,242	1.4	188,483	186,493	1983.....	234,799	1.0	234,284	232,589
1946.....	140,686	1964.....	191,889	1.4	191,141	189,141	1984.....	237,001	1.0	236,477	234,762
1947.....	144,063	1965.....	194,303	1.3	193,526	191,805	1985.....	239,279	1.0	238,736	237,031
1948.....	146,730	1966.....	196,560	1.2	195,576	193,420	1986.....	241,613	1.0	241,096	239,374
1949.....	149,304	1967.....	198,712	1.1	197,457	195,264	1987.....	243,915	1.0	243,400	241,681
		1968.....	200,706	1.0	199,399	197,113	1988.....	246,113	1.0	245,602	243,910
		1969.....	202,677	1.0	201,365	199,145					

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, Nos. 802, 1023, and 1029.

No. 3. Center of Population: 1790 to 1980

["Center of population" is that point at which an imaginary flat, weightless, and rigid map of the United States would balance if weights of identical value were placed on it so that each weight represented the location of one person on the date of the census]

YEAR	North latitude			West longitude			Approximate location
1790 (Aug 2)	39	16	30	76	11	12	23 miles east of Baltimore, MD
1800 (June 1)	38	58	0	81	19	0	23 miles southeast of Petersburg, WV
1800 (June 1)	39	9	36	85	48	54	6 miles southeast of Columbus, IN
1850 (Apr 1)	38	50	21	88	9	33	8 miles north northwest of Olney, Richland County, IL
1880 (Apr 1)	38	35	58	89	12	35	In Clinton Co. about 6 1/2 miles northwest of Centralia, IL
1970 (Apr 1)	38	27	47	89	42	22	5.3 miles east southeast of the Mascoutah City Hall in St. Clair County, IL
1980 (Apr 1)	38	8	13	90	34	26	1 1/4 mile west of De Soto in Jefferson County, MO



(See table 331)

Source: U.S. Bureau of the Census, 1980 Census of Population, Vol. 1.

No. 4. U.S. POPULATION ABROAD, BY SELECTED COUNTRY: 1986

(In thousands. As of May 1. Data compiled as part of noncombatant personnel evacuation requirements report)

COUNTRY	Total ¹	Resident U.S. citizen	U.S. tourists	COUNTRY	Total ¹	Resident U.S. citizen	U.S. tourists
Total²	4,888.7	2,174.6	1,041.4	Jordan	41.9	30.4	11.2
Australia	82.7	68.7	21.0	Mexico	801.8	398.0	203.1
Belgium	19.8	13.8	4.0	Netherlands	48.8	34.5	4.3
Brazil	52.7	40.4	11.2	Panama	40.3	11.3	.4
Canada	447.3	236.1	209.8	Philippines	273.4	156.3	3.9
Colombia	21.4	19.9	1.2	Portugal	25.0	15.7	6.4
Costa Rica	26.0	17.1	7.4	Saudi Arabia	25.9	21.5	.9
Dominican Republic	77.5	63.2	13.0	South Africa	26.5	9.4	16.5
France	132.2	43.5	86.2	South Korea	66.4	10.0	26.6
Greece	66.6	54.4	9.8	Spain	110.4	60.1	30.9
Hong Kong	22.2	14.5	6.6	Switzerland	32.3	24.1	7.5
Ireland	34.1	30.0	4.0	United Kingdom	284.8	156.8	60.1
Israel	121.8	80.9	60.0	Venezuela	22.3	20.8	1.3
Italy	174.0	86.4	58.2	West Germany	491.1	134.1	21.2
Japan	121.0	41.7	8.8				

¹ Includes Dept. of Defense noncombatant employees, other U.S. government employees, and dependents of U.S. military and civilian employees, not shown separately. ² Includes other countries not shown separately.

Source: U.S. Dept. of State, unpublished data.

No. 5. ESTIMATED COMPONENTS OF POPULATION CHANGE, BY RACE: 1980 TO 1987

[For explanation of annual average percent change, see Guide to Tabular Presentation]

YEAR OR PERIOD	TOTAL (Jan. 1-Dec. 31)						RATE PER 1,000 MIDYEAR POPULATION				
	Popula- tion at start of period (1,000)	Net increase ¹		Natural increase		Net civilian immigra- tion (1,000)	Net growth rate ¹	Natural increase			Net civilian immigra- tion rate
		Total (1,000)	Per- cent ²	Births ³ (1,000)	Deaths (1,000)			Total	Birth rate ³	Death rate	
ALL RACES ⁴											
1960.....	179,386	2,901	1.6	4,307	1,708	327	16.1	14.4	23.8	9.5	1.8
1965.....	193,223	2,315	1.2	3,801	1,830	373	11.9	10.1	19.6	9.4	1.9
1970.....	203,849	2,617	1.3	3,739	1,927	438	12.8	8.8	18.2	9.4	2.1
1975.....	214,931	2,165	1.0	3,144	1,894	449	10.0	5.8	14.6	8.8	2.1
1980.....	226,451	2,582	1.1	3,612	1,990	845	11.3	7.1	15.9	8.7	3.7
1983.....	233,736	2,224	1.0	3,639	2,020	805	9.5	6.9	15.5	8.6	2.6
1984.....	235,961	2,246	1.0	3,669	2,040	615	9.5	6.9	15.6	8.6	2.6
1985.....	238,207	2,325	1.0	3,761	2,067	650	9.7	7.0	15.7	8.7	2.7
1986.....	240,532	2,293	1.0	3,731	2,100	882	9.5	6.7	15.4	8.7	2.7
1987.....	242,825	2,285	.9	3,809	2,124	599	9.4	6.9	15.6	8.7	2.5
Annual averages:											
1960-1964.....	179,386	2,787	1.5	4,210	1,757	346	14.9	13.2	22.6	9.4	1.9
1965-1969.....	193,223	2,125	1.1	3,628	1,888	419	10.7	8.7	18.3	9.5	2.1
1970-1974.....	203,849	2,216	1.1	3,370	1,946	359	10.6	6.8	16.1	9.3	1.7
1975-1979.....	214,931	2,304	1.0	3,293	1,909	449	10.4	6.3	14.9	8.7	2.0
1980-1984.....	226,451	2,351	1.0	3,646	2,001	882	10.1	7.1	15.7	8.6	2.9
1985-1987.....	238,207	2,301	1.0	3,767	2,104	637	9.5	6.9	15.6	8.7	2.6
WHITE											
1970.....	178,692	2,050	1.15	3,095	1,687	327	11.4	7.8	17.2	9.4	1.8
1975.....	186,955	1,459	.78	2,552	1,681	173	7.8	4.7	13.6	8.9	.9
1980.....	194,834	1,580	.81	2,899	1,739	431	8.1	5.9	14.8	8.9	2.2
1983.....	199,515	1,472	.74	2,904	1,766	334	7.4	5.7	14.5	8.8	1.7
1984.....	200,968	1,476	.73	2,924	1,782	334	7.3	5.7	14.5	8.8	1.7
1985.....	202,464	1,527	.75	2,991	1,820	353	7.5	5.8	14.7	9.0	1.7
1986.....	203,991	1,496	.73	2,961	1,829	364	7.3	5.5	14.5	8.9	1.8
1987.....	205,487	1,492	.73	3,019	1,855	328	7.2	5.6	14.6	9.0	1.6
BLACK											
1970.....	22,617	424	1.87	575	226	39	18.6	15.3	25.2	9.9	1.7
1975.....	24,602	382	1.55	512	218	38	15.4	11.8	20.6	8.8	1.5
1980.....	26,680	452	1.69	590	233	75	16.8	13.2	21.9	8.7	2.8
1983.....	27,985	407	1.45	586	233	54	14.4	12.5	20.8	8.3	1.9
1984.....	28,391	410	1.44	593	236	54	14.4	12.5	20.7	8.3	1.9
1985.....	28,802	421	1.46	608	244	56	14.5	12.5	21.0	8.4	2.0
1986.....	29,223	423	1.45	608	247	62	14.4	12.3	20.7	8.4	2.1
1987.....	29,646	437	1.48	625	245	58	14.7	12.7	20.9	8.2	1.9

¹ Includes overseas admissions into, less discharges from, Armed Forces and includes for 1960-1980 "error of closure" (the amount necessary to make the components of change add to the net change between censuses), for which figures are not shown separately. ² Percent of population at beginning of period. ³ Adjusted for underregistration prior to April 1, 1970. ⁴ Includes other races not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, forthcoming report.

No. 6. IMMIGRATION: 1820 TO 1987

[In thousands, except rate. For fiscal years ending in year shown, except as noted; see text, section 9. For definition of immigrants, see text, section 1. For 1820-1867, alien passengers arriving; 1868-1891 and 1895-1897, immigrants arriving; 1892-1894 and 1896 to the present, immigrants admitted. Rates based on Bureau of the Census estimates as of July 1 for resident population through 1929, and for total population thereafter (excluding Alaska and Hawaii prior to 1959). See also *Historical Statistics, Colonial Times to 1970*, series C 89]

PERIOD	TOTAL		PERIOD OR YEAR	TOTAL		YEAR	TOTAL	
	Num- ber	Rate ¹		Num- ber	Rate ¹		Num- ber	Rate ¹
1820-1987.....	53,724	3.4	1921-1930.....	4,107	3.5	1975.....	386	1.8
1820-1830 ²	152	1.2	1931-1940 ³	528	.4	1976.....	399	1.9
1831-1840 ³	599	3.9	1941-1950.....	1,035	.7	1977.....	462	2.1
1841-1850 ⁴	1,713	8.4	1951-1960.....	2,515	1.5	1978.....	601	2.8
1851-1980 ⁴	2,598	9.3	1961-1970.....	3,322	1.7	1979.....	480	2.1
1851-1870 ⁵	2,315	6.4	1971-1990.....	4,493	2.1	1980.....	531	2.3
1871-1880.....	2,812	6.2	1981-1987.....	4,068	2.5	1981.....	597	2.6
1881-1890.....	5,247	9.2	1970.....	373	1.8	1982.....	594	2.6
1891-1900.....	3,688	5.3	1971.....	370	1.8	1983.....	580	2.4
1901-1910.....	6,796	10.4	1972.....	386	1.8	1984.....	544	2.3
1911-1920.....	5,736	5.7	1973.....	400	1.9	1985.....	570	2.4
			1974.....	395	1.9	1986.....	602	2.5
						1987.....	602	2.5

¹ Annual rate per 1,000 U.S. population. Rate computed by dividing sum of annual immigration totals by sum of annual U.S. population totals for same number of years. ² Oct. 1, 1819-Sept. 30, 1830. ³ Oct. 1, 1830-Dec. 31, 1840. ⁴ Calendar years. ⁵ Jan. 1, 1861-June 30, 1870.

Source: U.S. Immigration and Naturalization Service, *Statistical Yearbook*, annual; and releases.

NO. 7. IMMIGRANTS, BY COUNTRY OF BIRTH: 1961 TO 1967

[In thousands. For fiscal years ending in year shown; see text, section 2. For definition of immigrants, see text, section 1.]

COUNTRY OF BIRTH	1961-1970, total	1971-1980, total	1961-1980, total	1967	COUNTRY OF BIRTH	1961-1970, total	1971-1980, total	1961-1980, total	1967
All countries	3,321.7	4,493.3	3,498.1	601.8	Asia—Con.				
Europe ¹	1,238.6	801.3	864.3	61.2	Jordan	14.0	29.6	18.0	
Austria	13.7	4.7	2.4	.5	Korea	35.8	272.0	201.8	
Belgium	8.5	4.0	3.2	.6	Laos	.1	22.8	105.2	
Czechoslovakia	21.4	10.2	6.2	1.4	Lebanon	7.5	33.8	21.0	
Denmark	11.8	4.5	3.1	.5	Pakistan	4.9	31.2	31.8	
Finland	5.8	3.4	1.9	.8	Philippines	101.5	360.2	273.8	
France	34.3	17.8	12.6	2.5	Thailand	5.0	44.1	32.5	
Germany	200.0	60.0	41.8	7.3	Turkey	6.8	18.8	13.2	
Greece	90.2	93.7	18.8	2.7	Vietnam	4.8	176.7	264.8	
Hungary	17.3	11.6	4.7	1.0	North America ¹	1,361.1	1,846.0	1,083.4	
Ireland	42.4	14.1	7.4	3.1	Canada	286.7	114.8	66.6	
Italy	206.7	130.1	20.9	2.6	Mexico	443.3	637.2	401.7	
Netherlands	27.8	10.7	6.9	1.2	Caribbean ¹	519.5	756.8	473.2	
Norway	16.4	4.0	2.3	.3	Barbados	9.4	20.8	11.0	
Poland	73.3	43.8	44.8	7.5	Cuba	298.8	276.8	92.0	
Portugal	79.3	104.5	25.2	3.9	Dominican Republic	94.1	148.0	130.8	
Romania	14.9	17.5	22.0	3.8	Haiti	37.5	58.7	58.6	
Soviet Union ²	15.7	43.2	42.1	2.4	Jamaica	71.0	142.0	120.1	
Spain	30.5	30.0	9.2	1.8	Trinidad and Tobago	24.8	61.8	19.9	
Sweden	18.7	6.3	5.8	1.1	Central America ¹	87.7	182.4	151.5	
Switzerland	16.3	8.6	3.9	.6	El Salvador	15.0	34.4	53.8	
United Kingdom	230.5	123.5	85.4	13.5	Guatemala	15.4	25.6	25.1	
Yugoslavia	46.2	42.1	10.1	1.5	Nicaragua	10.1	13.0	17.1	
Asia ¹	448.3	1,633.8	1,844.6	267.7	Panama	18.4	22.7	17.6	
Cambodia	1.2	8.4	83.6	12.5	South America ¹	238.3	364.4	235.9	
China: Mainland	96.7	202.5	219.4	25.8	Argentina	42.1	25.1	12.4	
Taiwan				11.9	Brazil	20.5	13.7	11.0	
Hong Kong	25.6	47.5	30.7	4.7	Colombia	70.3	77.6	63.0	
India	31.2	178.8	145.9	27.8	Ecuador	37.0	50.2	25.7	
Iran	10.4	48.2	78.0	14.4	Guyana	7.1	47.5	63.1	
Iraq	6.4	23.4	14.2	1.1	Peru	18.8	29.1	26.7	
Israel	12.9	26.6	20.1	3.7	Africa	36.3	91.5	84.5	
Japan	38.5	47.9	24.0	4.2	Egypt	17.2	25.5	17.2	
					Australia	8.8	14.3	8.9	
					New Zealand	3.7	5.9	3.8	
					Other countries	5.8	17.7	11.7	

¹ Includes countries not shown separately. ² Europe and Asia.

Source: U.S. Immigration and Naturalization Service, Statistical Yearbook, annual; and releases.

NO. 8. IMMIGRANTS ADMITTED AS PERMANENT RESIDENTS UNDER REFUGEE ACTS, BY COUNTRY OF BIRTH: 1961 TO 1967

[For fiscal years ending in year shown; see text, section 2. Covers immigrants who were allowed to enter U.S. under 1953 Refugee Relief Act and later acts; Hungarian parolees under July 1953 Act; refugee-escapee parolees under July 1960 Act; conditional entries by refugees under Oct. 1965 Act; Cuban parolees under Nov. 1966 Act; beginning 1976, Indochina refugees under Act of Oct. 1977, beginning 1980, refugee-parolees under the Act of Oct. 1978, and asylum under the Act of March 1980; beginning 1981, refugees under the Act of March 1980; and beginning 1987, Cuban/Haitian entrants under the Act of Nov. 1986.]

COUNTRY OF BIRTH	1961-1970, total	1971-1980, total	1961-1980, total	1967	COUNTRY OF BIRTH	1961-1970, total	1971-1980, total	1961-1980, total	1967
Total	212,843	638,447	659,409	96,474	Asia ¹	18,888	216,863	404,868	82,121
Europe ¹	64,236	71,858	82,861	9,686	Cambodia	-	7,739	82,238	12,121
Austria	233	185	235	40	China: Mainland	5,308	13,780	5,836	
Bulgaria	1,799	1,236	647	117	Taiwan				
Czechoslovakia	5,709	3,546	4,442	1,075	Indonesia	7,658	222	1,061	
Germany	888	143	391	78	Japan	554	58	88	
Greece	586	478	827	27	Korea	1,318	85	105	
Hungary	4,044	4,358	2,159	589	Laos	-	21,890	104,189	6,189
Italy	1,186	346	201	37	Vietnam	7	150,266	240,008	20,108
Netherlands	3,134	6	7	1	Other Asia	5,052	16,865	61,226	12,121
Poland	3,197	5,882	18,545	3,357	North America	132,888	252,633	65,801	32,121
Portugal	1,361	21	18	-	Cuba	131,557	251,514	62,791	28,121
Romania	7,156	6,812	17,287	2,968	Other N. America	611	1,119	2,810	5,121
Soviet Union	671	31,309	36,872	1,242	South America	123	1,244	1,122	1,121
Spain	4,114	6,317	482	48	Africa	5,488	2,991	13,838	1,121
Yugoslavia	18,299	11,297	218	34	Other	36	36	36	
Other Europe	2,867	616	510	83					

- Represents zero. ¹ Through 1970, Turkey included in Europe; thereafter, included in Asia.

Source: U.S. Immigration and Naturalization Service, Statistical Yearbook, annual; and releases.

NO. 9. IMMIGRANTS ADMITTED, BY CLASS OF ADMISSION: 1960 TO 1967

(For fiscal year ending September 30. For definition of immigrants, see text, section 1. See also *Historical Statistics, Colonial Times to 1970*, series C 143-157)

CLASS OF ADMISSION	1960	1961	1962	1963	1964	1965	1966	1967
Immigrants, total.....	690,639	694,131	599,793	549,903	570,009	601,708	601,519	
Numerically limited.....	269,479	259,749	269,213	262,016	264,206	266,968	271,135	
New arrivals.....	239,590	208,312	221,567	224,750	226,505	226,522	239,941	
Adjustments.....	49,889	59,437	47,626	37,266	37,703	36,446	31,194	
Exempt from numerical limitation.....	241,160	334,382	290,550	281,887	305,801	334,740	330,381	
New arrivals.....	99,765	108,384	115,212	119,879	129,660	147,586	147,054	
Adjustments.....	141,395	225,018	175,338	162,008	175,941	187,152	183,327	
Numerically limited, total.....	269,479	259,749	269,213	262,016	264,206	266,968	271,135	
Unmarried sons/daughters of U.S. citizens and their children (1st preference).....	5,666	5,604	6,692	7,569	8,319	10,910	11,362	
Spouses, unmarried sons/daughters of alien residents, and their children (2d preference).....	110,269	113,070	116,623	112,309	114,997	110,926	110,758	
Professional or highly skilled immigrants (3d preference) ¹	16,663	26,001	27,250	24,852	24,905	26,823	26,821	
Married sons/daughters of U.S. citizens (4th preference) ¹	10,752	19,485	20,948	14,561	18,460	20,702	20,703	
Brothers or sisters of U.S. citizens (5th preference) ¹	60,167	66,926	69,026	77,765	70,481	70,401	66,966	
Needed skilled or unskilled workers (6th preference) ¹	25,766	25,191	26,218	24,869	25,960	26,802	26,962	
Conditional entries by refugees ²	12,222	(x)	(x)	(x)	(x)	(x)	(x)	
Nonpreference ³	-	-	-	-	7	-	3,040	
Recaptured Cuban numbers.....	15,913	2,300	49	(x)	(x)	(x)	(x)	
Other.....	119	202	206	171	46	404	2,413	
Exempt from numerical limitations.....	241,160	334,382	290,550	281,887	305,801	334,740	330,381	
Immediate relatives.....	157,743	106,396	177,782	163,247	204,368	223,486	218,576	
Spouses of U.S. citizens.....	96,854	104,216	112,666	116,596	129,790	137,597	132,452	
Children of U.S. citizens.....	27,207	26,735	30,429	32,080	35,592	40,639	40,840	
Orphans.....	5,139	5,749	7,127	8,327	9,266	9,945	10,097	
Parents of U.S. citizens.....	33,662	36,445	34,697	34,571	36,996	45,232	45,183	
Refugee and seelye adjustments.....	75,835	156,601	102,665	92,127	95,040	104,363	96,474	
Cuban Refugee Act, Nov. 1966.....	5,021	1,965	3,274	3,480	14,288	30,152	27,151	
Indochinese Refugee Act, Oct. 1977.....	22,497	13,666	3,122	875	166	136	83	
Refugee-Parolee Act, Oct. 1978.....	46,058	48,826	13,409	7,657	3,766	1,729	866	
Anyless, Refugee Act of 1960.....	1,250	1,659	2,914	6,807	5,000	5,000	5,000	
Refugees, Refugee Act of 1960.....	(x)	60,282	79,965	74,526	71,820	67,375	59,022	
Cuban/Haitian entrants, Act of Nov. 1966.....	(x)	(x)	(x)	(x)	(x)	(x)	4,352	
Other refugees.....	9	3	1	-	-	-	-	
Special immigrants.....	3,142	4,940	3,175	2,338	2,551	2,992	3,546	
Ministers of religion ¹	1,529	2,059	1,734	1,540	1,853	2,060	2,041	
Employees of U.S. Government abroad ¹	1,354	564	529	535	479	773	1,112	
Foreign medical graduates, Act of Dec. 1961 ¹	(x)	1,666	790	174	87	45	28	
Other special immigrants ¹	259	491	122	89	132	111	465	
Aliens adjusted ⁴	254	169	144	132	105	95	8,200	
Children born abroad to resident aliens or subsequent to issuance of visa.....	4,059	3,262	3,501	3,789	3,508	3,554	3,269	
Others not subject to numerical limitation.....	127	1,012	3,253	284	226	246	217	

- Represents zero. X Not applicable. ¹ Includes spouses and children. ² In 1960, conditional entries were a 7th preference class. ³ No nonpreference visas issued since 1978. 1965 and 1967 data represent prior contested cases.

⁴ Under sections 244 and 246, Immigration and Naturalization Act.

Source: U.S. Immigration and Naturalization Service, *Statistical Yearbook*, annual.

NO. 10. ESTIMATED REFUGEE ARRIVALS BY SELECTED COUNTRY OF CITIZENSHIP: 1962 TO 1967

(For fiscal years ending September 30; see text, section 9)

COUNTRY OF CITIZENSHIP	1962	1963	1964	1965	1966	COUNTRY OF CITIZENSHIP	1962	1963	1964	1965	1966
Total.....	97,969	76,669	67,668	62,399	64,669	Hungary.....	450	550	600	650	650
Afghanistan.....	4,250	2,000	2,200	2,400	3,100	Iran.....	-	2,850	3,480	3,200	6,700
Angola.....	100	100	50	-	50	Iraq.....	2,000	150	260	300	200
Bulgaria.....	100	150	150	150	100	Laos.....	8,600	7,200	5,260	12,900	16,600
Cambodia.....	20,880	19,880	18,260	10,060	1,960	Poland.....	6,500	3,950	2,860	3,600	3,450
Cuba.....	600	50	150	150	300	Romania.....	2,900	4,250	4,500	2,600	3,000
Czechoslovakia.....	700	600	950	1,400	1,050	Soviet Union.....	2,750	750	660	600	3,500
Ethiopia.....	3,150	2,600	1,750	1,250	1,600	Vietnam.....	41,700	24,960	25,400	22,450	22,600
						Other ¹	1,750	500	480	350	600

- Represents zero. ¹ Includes those from countries other than those listed, those whose country of citizenship is unknown, and those with no country of citizenship.

Source: U.S. Dept. of Health and Human Services, Office of Refugee Resettlement, unpublished data.

NO. 11. IMMIGRANTS ADMITTED, BY SELECTED STATES OF RESIDENCE AND COUNTRY OF BIRTH:

[For year ending September 30. For definition of immigrants, see text, section 1]

COUNTRY OF BIRTH	Total ¹	California	New York	Florida	Texas	New Jersey	Illinois	Massachusetts	Maryland	Virginia
Total	801,516	181,184	114,184	54,854	42,348	30,849	25,985	18,820	11,846	11,235
Europe ²	61,174	9,772	11,303	3,370	2,532	4,545	4,449	3,501	1,228	1,286
Germany	7,318	1,082	648	430	507	234	247	158	184	231
Poland	7,519	614	1,354	181	198	664	1,923	242	113	56
United Kingdom	13,487	2,585	1,284	1,080	738	881	437	549	307	354
Asia ²	257,884	92,458	31,247	5,817	13,378	10,638	12,715	6,887	6,135	6,505
Cambodia	12,480	3,953	580	188	652	18	354	1,320	145	257
China:										
Mainland	25,841	10,088	7,542	432	648	803	795	908	488	286
Taiwan	11,831	5,148	1,480	141	935	610	367	233	289	205
India	27,803	4,770	4,241	687	1,852	3,144	2,883	873	1,013	648
Iran	14,428	7,011	1,080	348	1,054	312	351	344	485	471
Korea	35,848	9,889	4,012	544	1,483	1,582	1,910	508	1,486	1,328
Laos	6,828	2,245	130	188	486	10	175	170	50	148
Pakistan	6,319	1,022	1,378	280	618	448	625	78	247	313
Philippines	50,080	24,833	2,802	1,108	1,471	1,888	2,820	288	754	1,198
Thailand	6,733	2,480	418	178	371	58	255	347	153	158
Vietnam	24,231	10,119	1,177	728	2,154	198	531	1,088	355	582
North America ²	218,550	49,818	50,414	38,711	23,079	8,572	7,186	4,288	2,388	1,388
Canada	11,876	2,187	1,184	1,408	518	319	305	418	140	188
Mexico	72,381	35,228	852	772	20,188	188	4,968	78	85	81
Caribbean ²	102,889	1,488	42,847	34,818	985	8,801	934	3,274	1,317	288
Cuba	28,918	885	1,830	24,287	284	582	255	75	38	28
Dominican Republic	24,858	80	15,880	874	87	2,585	53	1,114	84	33
Haiti	14,819	78	8,878	4,880	47	1,182	211	1,053	208	44
Jamaica	23,148	414	12,480	3,855	282	1,792	348	619	873	83
Central America ²	28,288	10,873	5,710	2,888	1,402	1,481	884	487	881	807
El Salvador	10,888	5,820	1,888	310	585	585	133	98	451	482
Guatemala	5,728	2,344	814	308	201	230	543	145	194	102
Honduras	4,751	884	1,474	781	255	338	91	128	62	48
South America ²	44,385	4,338	18,588	5,108	1,248	5,823	820	827	1,188	971
Colombia	11,700	888	3,708	2,281	388	1,858	387	233	148	127
Guyana	11,384	248	8,837	324	183	834	43	80	282	32
Peru	5,801	1,053	1,387	710	180	1,182	180	78	211	231
Africa	17,725	2,783	2,482	551	2,002	1,318	878	981	888	828
Other	3,888	2,017	172	88	108	52	48	55	42	50

¹ Includes other States and Puerto Rico, not shown separately. ² Includes other countries, not shown separately.

Source: U.S. Immigration and Naturalization Service, Statistical Yearbook, annual.

NO. 12. IMMIGRANTS ADMITTED BY SELECTED COUNTRY OF BIRTH AND METROPOLITAN AREA OF INTENDED RESIDENCE: 1987

[For year ending September 30. Includes Puerto Rico. Includes new arrivals and persons adjusting their status. MSA-metro statistical area and PMSA-primary metropolitan statistical area as defined by U.S. Office of Management and Budget, Jan 1985. See text, section 1, and Appendix B]

METROPOLITAN AREA OF INTENDED RESIDENCE	Total ¹	Mexico	Philippines	Korea	Cuba	India	China: Mainland	Dominican Republic	Vietnam
Total ²	801,516	72,381	50,080	35,848	28,918	27,803	25,841	24,858	24,231
New York, NY PMSA	97,510	544	2,873	2,888	1,670	2,885	7,042	14,945	540
Los Angeles-Long Beach, CA PMSA	84,453	15,188	7,813	5,827	428	1,190	2,888	43	2,104
Miami-Hialeah, FL PMSA	37,887	235	277	88	22,329	181	180	728	26
Chicago, IL PMSA	20,297	4,129	2,185	1,183	238	2,154	850	48	388
Washington, DC-MD-VA MSA	17,838	110	971	1,828	85	1,120	544	182	858
San Francisco, CA PMSA	16,234	873	3,588	488	52	222	3,888	8	782
Anaheim-Santa Ana, CA PMSA	12,988	2,308	888	1,137	85	479	328	2	2,227
San Diego, CA MSA	12,708	4,158	3,543	211	33	122	202	10	732
Houston, TX PMSA	11,398	2,870	580	381	155	788	283	35	902
San Jose, CA PMSA	11,152	1,049	1,888	808	8	918	882	1	1,744
Oakland, CA PMSA	10,820	883	2,388	443	23	804	1,181	12	740
Boston, MA PMSA	10,705	54	184	277	51	418	785	480	726
Newark, NJ PMSA	9,188	33	808	252	187	878	178	301	48
Nassau-Suffolk, NY PMSA	8,358	42	255	433	87	734	281	524	58
Bergen-Passaic, NJ PMSA	8,228	55	425	580	35	887	93	1,088	18
Philadelphia, PA-NJ PMSA	7,882	72	427	1,180	48	815	328	88	480
Dallas, TX PMSA	7,475	1,793	265	357	42	487	157	17	532
Detroit, MI PMSA	5,838	88	401	488	10	871	153	10	48
Jersey City, NJ PMSA	5,470	14	421	105	331	812	54	753	44
Honolulu, HI MSA	5,457	14	2,748	872	1	7	583	1	138

¹ Includes other countries, not shown separately. ² Includes other metropolitan areas, not shown separately.

Source: U.S. Immigration and Naturalization Service, Statistical Yearbook, annual.

No. 12. TOTAL POPULATION, BY AGE AND SEX: 1960 TO 1987

[In thousands, except as indicated. As of July 1. Includes Armed Forces abroad. For derivation of estimates, see last section 1. For definition of median, see Guide to Tabular Presentation. See also Historical Statistics, Colonial Times to 1970, series A23-25 and A29-31.]

YEAR AND SEX	Total, all ages	Under 5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-74 years	75 years and over	5-13 years	14-17 years	18-24 years	16 years and over	65 years and over	Median age (yr.)
Total																						
1960	180,871	20,341	18,910	18,925	13,442	11,134	10,936	11,983	12,542	11,679	10,914	9,864	8,471	7,154	11,053	5,822	32,985	11,219	16,126	121,835	18,675	29.4
1970	205,052	17,186	19,916	20,853	19,333	17,202	13,736	11,587	11,155	11,966	12,151	11,166	10,006	8,676	12,493	7,814	36,872	15,924	24,712	143,070	20,107	27.9
1975	215,973	16,121	17,584	20,845	21,285	19,527	17,280	14,121	11,834	11,197	11,784	11,972	10,646	8,398	13,917	8,779	33,919	17,128	28,005	157,343	22,686	28.7
1980	227,757	16,458	16,809	18,236	21,159	19,584	19,804	17,822	14,124	11,744	11,064	11,700	11,616	10,145	15,853	10,051	31,095	16,142	30,350	172,456	25,704	30.0
1982	232,520	17,298	18,020	18,172	19,938	21,807	20,865	18,878	15,846	12,489	11,032	11,466	11,510	10,603	16,197	10,830	30,614	15,041	30,283	177,346	26,827	30.6
1983	234,799	17,650	18,147	17,912	19,313	21,700	21,321	18,281	16,214	13,154	11,231	11,214	11,528	10,705	16,494	10,934	30,410	14,720	29,942	179,480	27,428	30.9
1984	237,001	17,830	18,464	17,511	18,823	21,536	21,880	18,789	16,984	13,635	11,488	11,033	11,444	10,872	16,739	11,234	30,238	14,704	29,381	181,515	27,873	31.2
1985	239,279	18,004	18,822	17,101	18,587	21,214	21,892	20,348	17,782	14,077	11,852	10,945	11,342	10,965	17,009	11,531	30,110	14,866	28,749	183,582	28,540	31.5
1986	241,813	18,152	17,295	16,566	18,048	20,808	22,132	20,848	18,775	14,369	11,803	10,880	11,271	10,981	17,332	11,836	30,351	14,797	27,987	185,756	29,167	31.8
1987	243,915	18,252	17,661	16,485	18,497	19,984	22,107	21,410	18,790	15,590	12,357	10,927	11,121	10,998	17,667	12,169	30,823	14,467	27,356	187,978	29,895	32.1
Male																						
1960	89,320	10,339	9,565	8,802	8,803	5,569	5,423	5,604	6,140	5,732	5,379	4,793	4,145	3,414	5,133	2,409	16,762	5,683	8,083	59,413	7,542	28.5
1970	100,354	8,751	10,152	10,822	9,816	8,655	6,821	5,718	5,475	5,847	5,873	5,360	4,781	4,052	5,461	2,953	18,687	8,108	12,451	68,767	8,413	28.8
1975	110,868	8,417	9,465	9,314	10,778	10,882	9,867	8,545	8,964	5,758	5,378	5,818	5,480	4,700	6,791	3,575	15,863	8,247	15,327	82,624	10,386	28.8
1980	116,648	9,213	8,809	8,762	9,476	10,707	11,005	10,166	8,793	6,910	5,884	5,268	5,363	5,118	7,475	4,062	15,415	7,611	14,528	88,136	11,537	30.3
1982	118,967	9,341	9,037	8,450	9,448	10,083	11,119	10,727	9,321	7,862	6,031	5,268	5,298	5,088	7,824	4,285	15,784	7,414	13,817	90,348	12,119	30.9
1983	121,352	10,002	9,245	8,323	8,840	9,586	9,512	8,079	6,403	5,848	5,535	4,901	4,328	3,741	8,920	3,212	16,203	5,538	8,034	92,422	9,133	30.3
1984	124,066	8,415	8,748	10,250	8,517	8,547	8,615	5,872	5,680	6,148	6,277	5,748	5,225	4,624	7,032	4,061	17,945	7,616	12,261	74,303	11,603	29.2
1985	126,801	8,040	8,114	8,923	10,382	10,702	9,905	8,977	7,160	5,968	5,877	6,080	6,138	5,448	8,862	6,478	15,203	7,895	15,022	89,833	15,338	31.3
1986	128,831	8,762	8,214	8,339	9,109	10,507	10,896	10,179	8,969	7,167	5,986	5,861	5,960	5,877	9,534	7,469	14,865	7,254	14,219	95,446	17,003	32.7
1987	131,928	8,910	8,825	8,035	9,061	9,901	10,896	10,683	9,486	7,829	6,326	5,841	5,823	5,831	9,844	7,873	15,009	7,053	13,519	97,530	17,716	33.3
Percent																						
1960	100.0	11.3	10.4	9.4	7.4	6.2	6.1	6.6	6.9	6.5	6.0	5.3	4.7	4.0	6.1	3.1	18.2	6.2	8.9	67.4	9.2	(X)
1970	100.0	8.4	9.7	10.2	9.4	8.4	6.7	5.7	5.4	5.8	5.9	5.4	4.8	4.2	6.1	3.7	17.9	7.8	12.1	69.8	9.8	(X)
1975	100.0	7.2	7.3	8.0	9.3	9.5	6.7	7.8	6.2	6.2	4.9	5.1	5.1	4.5	6.9	4.4	13.7	7.1	13.3	75.7	11.3	(X)
1980	100.0	7.5	7.0	7.1	7.8	8.9	9.1	8.5	7.4	5.9	4.8	4.8	4.7	4.6	7.1	4.8	12.6	6.2	12.0	76.7	11.9	(X)
1982	100.0	7.6	7.2	6.8	7.7	8.5	9.2	8.6	7.8	5.9	4.9	4.6	4.7	4.5	7.2	4.8	12.6	6.1	11.8	76.9	12.1	(X)
1983	100.0	7.5	7.2	6.8	7.6	8.2	9.1	8.6	7.7	6.4	5.1	4.6	4.6	4.5	7.2	5.0	12.8	5.9	11.2	77.1	12.2	(X)
1984	100.0	11.6	10.7	9.8	7.8	6.2	6.1	6.6	6.9	6.4	6.0	5.3	4.6	3.8	5.7	2.7	18.8	6.4	9.1	66.5	8.4	(X)
1985	100.0	8.7	10.1	10.6	9.8	8.6	8.8	5.7	5.6	5.8	5.9	5.4	4.8	4.0	5.4	2.9	16.8	8.1	12.4	68.5	8.4	(X)
1986	100.0	7.6	7.4	8.4	9.7	9.8	9.8	6.0	6.3	5.2	4.8	5.1	4.9	4.2	6.1	3.2	14.3	7.4	13.8	74.5	9.3	(X)
1987	100.0	7.9	7.4	7.5	8.1	9.2	9.4	6.7	7.5	5.9	4.8	4.5	4.6	4.4	6.4	3.5	13.2	6.5	12.5	75.6	9.9	(X)
1988	100.0	7.8	7.6	7.1	7.8	8.5	9.3	9.0	7.8	6.4	5.1	4.4	4.5	4.3	6.6	3.6	13.3	6.2	11.6	75.9	10.2	(X)
Female																						
1960	100.0	10.9	10.1	9.8	7.3	6.1	6.0	6.7	7.0	6.5	6.1	6.4	4.7	4.1	6.5	3.5	17.7	6.1	8.8	68.3	10.0	(X)
1970	100.0	8.0	8.3	9.8	9.1	8.2	6.8	5.6	5.4	5.9	6.0	5.5	5.0	4.4	6.7	4.5	17.2	7.5	11.7	71.0	11.2	(X)
1975	100.0	6.9	6.9	7.6	8.9	9.2	6.5	7.7	6.1	6.1	6.0	5.2	5.3	4.7	7.6	5.5	13.0	6.8	12.9	76.9	13.1	(X)
1980	100.0	7.2	6.7	7.6	7.4	8.8	6.8	6.3	7.3	6.6	6.1	4.9	4.9	4.9	7.8	6.1	12.0	5.9	11.6	77.9	13.8	(X)
1982	100.0	7.2	6.7	6.4	7.2	7.9	6.8	6.3	7.6	6.3	6.1	4.6	4.7	4.7	7.9	6.3	12.0	5.8	10.6	78.1	14.2	(X)

X Not applicable.

Source: U.S. Bureau of the Census, Current Population Reports, series P-26, Nos. 519, 917, and 1022.

NO. 14. PROJECTIONS OF TOTAL POPULATION: 1986 TO 2025

(In thousands. As of July 1. Includes Armed Forces abroad. See text, section 1 for explanation of methodology. For the series shown, the following assumptions were made about fertility (ultimate lifetime births per woman), mortality (ultimate life expectancy in 2080), and immigration (ultimate yearly net immigration). Lowest series: 1.5 births per woman, 77.9 years, and 300,000 net immigration. Middle series: 1.8 births per woman, 81.2 years, and 500,000 net immigration. Highest series: 2.2 births per woman, 85.0 years, and 800,000 net immigration. Zero migration series: 1.8 births per woman and 81.2 years.)

YEAR	Lowest series (series 19)	Middle series (series 14)	Highest series (series 9)	Zero migration (series 29)	YEAR	Lowest series (series 19)	Middle series (series 14)	Highest series (series 9)	Zero migration (series 29)
1986	245,289	246,048	246,624	244,832	1997	257,207	263,543	270,376	256,561
1989	247,021	248,251	249,241	246,413	1998	258,068	265,157	272,986	257,523
1990	248,656	250,410	251,897	247,943	1999	258,856	266,730	275,602	258,436
1991	250,178	252,502	254,570	249,402	2000	259,576	268,266	278,228	259,304
1992	251,592	254,521	257,235	250,781	2005	262,363	275,604	291,710	263,189
1993	252,906	256,466	259,888	252,083	2010	264,193	282,575	305,882	266,528
1994	254,121	258,338	262,526	253,308	2015	266,072	288,997	320,494	269,131
1995	255,239	260,138	265,151	254,459	2020	268,536	294,364	335,022	270,493
1996	256,266	261,872	267,766	255,541	2025	262,218	298,252	348,985	270,234

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 1016.

NO. 15. PROJECTED COMPONENTS OF POPULATION CHANGE: 1986 TO 2010

(Includes Armed Forces overseas. Projections are for middle series (series 14); for assumptions, see headnote, table 14. For explanation of methodology, see text, section 1)

YEAR AND RACE	TOTAL (Jan. 1-Dec. 31)						RATE PER 1,000 MIDYEAR POPULATION				
	Population at start of period (1,000)	Net increase ¹		Natural increase		Net civilian immigration (1,000)	Net growth rate ¹	Natural increase			Net civilian immigration rate
		Total (1,000)	Per cent ²	Births (1,000)	Deaths (1,000)			Total	Birth rate	Death rate	
ALL RACES³											
1986	244,838	2,212	.90	3,768	2,141	595	9.0	6.6	15.3	8.7	2.4
1989	247,150	2,180	.88	3,768	2,161	585	8.8	6.4	15.1	8.7	2.4
1990	249,330	2,126	.86	3,731	2,180	575	8.6	6.2	14.8	8.7	2.3
1995	259,239	1,767	.68	3,517	2,275	525	6.8	4.8	13.5	8.7	2.0
2000	267,498	1,522	.57	3,389	2,366	500	5.7	3.8	12.6	8.8	1.9
2010	281,694	1,351	.48	3,485	2,635	500	4.8	3.1	12.3	9.3	1.8
WHITE											
1986	206,943	1,494	.72	2,990	1,854	358	7.2	5.5	14.4	8.9	1.7
1989	208,437	1,480	.70	2,982	1,872	350	7.0	5.3	14.3	8.9	1.7
1990	209,897	1,408	.67	2,955	1,888	340	6.7	5.1	14.0	9.0	1.6
1995	216,267	1,074	.50	2,744	1,986	298	5.0	3.6	12.7	9.1	1.4
2000	221,088	838	.38	2,802	2,036	273	3.8	2.5	11.7	9.2	1.2
2010	226,637	674	.29	2,639	2,236	273	2.9	1.8	11.5	9.8	1.2
BLACK											
1986	30,072	432	1.43	621	250	60	14.2	12.2	20.5	8.3	2.0
1989	30,503	430	1.41	622	252	60	14.0	12.1	20.3	8.2	2.0
1990	30,934	426	1.38	620	254	60	13.7	11.8	19.9	8.1	1.9
1995	33,000	398	1.20	602	262	58	11.9	10.2	18.1	7.9	1.7
2000	34,939	379	1.08	597	272	54	10.8	9.3	17.0	7.7	1.6
2010	36,653	358	.93	616	312	54	9.3	7.9	15.8	8.1	1.4

¹ Includes overseas admissions into, less discharges from, Armed Forces, not shown separately. ² Percent of population at beginning of period. ³ Includes other races not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 1016.

NO. 16. PROJECTIONS OF THE HISPANIC POPULATION BY AGE AND SEX: 1986 TO 2010

(As of July 1. Includes Armed Forces overseas. See text, section 1 for explanation of methodology. Data are for the middle series with the following assumptions about fertility (ultimate lifetime births per woman), mortality (ultimate life expectancy in 2080) and immigration (yearly net immigration): 1.9 births per woman, 81.0 years, and 143,000 net immigration. These projections are not consistent with those shown in tables 14, 15, and 17.)

AGE AND SEX	POPULATION (1,000)						PERCENT DISTRIBUTION			PERCENT CHANGE		
	1986	1989	1990	1995	2000	2010	1986	2000	2010	1986-1989	1986-2000	2000-2010
Total	18,633	18,368	19,887	22,540	25,223	30,795	100.0	100.0	100.0	34.5	26.8	22.1
Under 5 years old	2,199	2,242	2,282	2,412	2,496	2,852	11.5	9.9	9.3	36.2	9.4	14.9
5-17 years old	4,583	4,690	4,825	5,535	6,207	6,848	24.3	24.6	22.2	21.0	26.8	10.9
18-24 years old	2,366	2,369	2,367	2,511	2,787	3,599	12.0	11.0	11.7	5.3	15.9	30.1
25-34 years old	3,527	3,585	3,629	3,717	3,804	4,526	18.2	16.1	14.7	42.1	4.8	19.0
35-44 years old	2,515	2,651	2,788	3,430	3,803	3,983	14.0	15.1	12.9	74.9	36.4	4.7
45-54 years old	1,529	1,594	1,688	2,185	2,811	3,806	8.4	11.1	12.4	36.3	68.5	36.4
55-64 years old	1,125	1,156	1,183	1,342	1,619	2,704	5.9	6.4	8.8	50.1	36.9	67.6
65-74 years old	637	670	707	894	1,041	1,432	3.6	4.1	4.7	53.0	47.2	37.1
75 years old and over	385	402	419	525	678	1,045	2.1	2.7	3.4	64.3	81.8	54.1
16 years old and over	12,729	13,090	13,453	15,322	17,419	22,131	67.8	69.0	71.9	37.8	29.5	27.1
Male	9,417	9,681	9,947	11,285	12,627	15,419	50.0	50.1	50.1	34.9	28.9	28.1
Female	9,416	9,678	9,940	11,265	12,596	15,376	50.0	49.9	49.9	34.2	26.7	26.1

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 995.

NO. 17. PROJECTIONS OF THE TOTAL POPULATION BY AGE, SEX, AND RACE: 1968 TO 2010

[As of July 1. Includes Armed Forces overseas. Data are for middle series. For explanation of methodology, see text, section 1. Minus sign (-) indicates decrease]

AGE, SEX, AND RACE	POPULATION (1,000)						PERCENT DISTRIBUTION			PERCENT CHANGE		
	1968	1969	1970	1985	2000	2010	1968	1985	2010	1968-1985	1985-2000	2000-2010
Total ¹	248,048	248,251	250,410	280,135	268,288	282,575	100.0	100.0	100.0	9.9	7.1	6.3
Under 5 years old	18,289	18,413	18,408	17,799	18,898	18,898	7.4	6.3	6.0	11.8	8.2	(2)
5-17 years old	45,344	45,289	45,830	48,374	48,815	45,747	18.2	18.2	16.2	3.4	7.0	-8.3
18-24 years old	26,904	26,591	26,140	24,281	25,231	27,155	10.4	9.4	9.6	-13.9	-3.5	7.6
25-34 years old	43,861	44,024	43,925	40,952	37,149	37,572	17.5	13.8	13.3	16.7	-15.4	1.1
35-44 years old	35,321	36,548	37,897	42,336	43,911	37,202	15.1	16.4	13.2	48.5	15.9	15.3
45-54 years old	24,151	24,872	25,487	31,287	37,223	43,207	10.2	13.9	15.2	12.0	46.0	16.1
55-64 years old	21,799	21,544	21,384	21,325	24,158	35,430	8.5	9.0	12.5	-1.8	13.1	46.7
65-74 years old	17,873	18,129	18,373	18,930	18,243	21,039	7.3	6.8	7.4	17.4	-7	15.3
75 years old and over	12,527	12,853	13,187	14,834	16,639	18,323	5.3	6.2	6.5	31.2	26.2	10.1
18 years old and over	189,810	191,451	192,000	201,015	210,134	227,390	77.1	78.3	80.5	11.9	8.9	8.2
Male, total	128,054	127,189	122,243	127,123	131,191	138,333	100.0	100.0	100.0	10.2	7.3	6.4
Under 5 years old	9,351	9,426	9,426	9,115	9,661	9,668	7.7	6.8	6.3	12.0	-8.1	1
5-17 years old	23,228	23,190	23,377	24,787	25,027	23,473	19.1	19.1	17.0	-3.2	7.1	-6.2
18-24 years old	13,598	13,440	13,216	12,290	12,770	13,752	10.8	9.7	9.9	13.8	3.4	7.7
25-34 years old	22,032	22,126	22,078	20,579	18,982	18,878	18.1	14.2	13.6	17.8	-15.5	1.2
35-44 years old	17,486	18,094	18,785	21,104	21,945	18,586	15.4	16.7	13.4	47.7	16.8	-15.3
45-54 years old	11,750	12,104	12,406	15,262	16,296	21,432	10.1	13.9	15.5	12.8	47.5	17.1
55-64 years old	10,273	10,170	10,103	10,149	11,557	17,173	8.3	8.8	12.4	8	14.4	48.6
65-74 years old	7,923	8,052	8,171	8,478	8,242	9,691	6.7	6.3	7.0	20.3	9	17.6
75 years old and over	4,432	4,559	4,681	5,326	6,032	6,681	3.8	4.6	4.8	30.9	28.9	10.6
18 years old and over	91,255	92,070	92,834	96,834	101,392	110,024	75.9	77.3	79.6	12.4	9.2	8.5
Female, total	120,066	127,062	128,167	133,016	137,078	144,341	100.0	100.0	100.0	8.7	7.9	5.2
Under 5 years old	8,918	8,987	8,982	8,681	9,237	9,231	7.0	6.0	5.7	11.7	8.3	-1
5-17 years old	22,115	22,079	22,253	23,587	23,788	22,274	17.4	17.4	15.4	3.7	6.9	-6.4
18-24 years old	13,307	13,150	12,924	11,991	12,461	13,402	10.1	9.1	9.3	-14.0	-3.6	7.8
25-34 years old	21,829	21,897	21,848	20,384	18,487	18,694	17.0	13.5	13.0	15.7	-15.4	1.1
35-44 years old	17,854	18,455	19,112	21,233	21,986	18,616	14.9	16.0	12.9	45.4	14.9	15.3
45-54 years old	12,401	12,768	13,081	16,005	18,827	21,775	10.2	13.8	15.1	11.3	44.7	15.0
55-64 years old	11,527	11,375	11,280	11,175	12,801	18,257	8.8	9.2	12.7	-2.8	11.9	44.9
65-74 years old	9,949	10,077	10,201	10,454	10,001	11,348	8.0	7.3	7.9	15.1	2.0	13.5
75 years old and over	8,084	8,304	8,505	9,507	10,607	11,642	6.8	7.7	8.1	31.3	24.7	9.8
18 years old and over	90,554	90,381	100,155	104,184	108,742	117,306	76.1	79.3	81.4	11.5	8.6	7.9
White, total	207,886	208,178	210,616	216,820	221,514	228,978	100.0	100.0	100.0	7.7	5.2	5.4
Under 5 years old	14,787	14,899	14,893	14,251	13,324	13,084	7.1	6.0	5.7	10.4	-10.5	1.8
5-17 years old	36,459	36,317	36,537	38,493	38,569	35,258	17.3	17.4	15.4	8.3	5.6	-8.6
18-24 years old	22,105	21,775	21,330	19,452	19,986	21,296	10.1	9.0	9.3	16.7	-8.2	6.5
25-34 years old	36,749	36,798	36,820	33,680	29,989	29,585	17.4	13.5	12.9	13.6	-18.1	1.3
35-44 years old	30,251	31,223	32,306	35,835	36,574	29,987	15.3	16.5	13.1	44.1	13.2	18.0
45-54 years old	20,838	21,450	21,950	26,879	31,618	35,880	10.4	14.3	15.7	9.8	44.0	13.4
55-64 years old	18,136	18,852	19,637	18,327	20,687	29,913	8.8	9.3	13.1	-4.5	10.9	44.7
65-74 years old	15,983	16,188	16,380	16,881	15,811	17,875	7.8	7.1	7.8	16.1	-3.5	13.1
75 years old and over	11,375	11,575	11,965	13,421	14,965	16,108	5.7	6.8	7.0	30.2	25.1	7.6
18 years old and over	162,390	163,468	164,465	169,666	175,579	186,417	78.1	79.3	81.4	9.6	8.8	6.2
Male	101,889	102,448	103,184	106,365	108,774	112,610	49.0	49.1	49.2	8.0	5.4	3.5
Female	106,007	106,730	107,432	110,455	112,739	116,388	51.0	50.9	50.8	7.4	4.9	3.2
Black, total	30,387	30,719	31,148	32,199	36,128	38,833	100.0	100.0	100.0	16.8	12.8	10.8
Under 5 years old	2,789	2,808	2,814	2,790	2,749	2,820	9.0	7.8	7.3	13.7	2.3	2.6
5-17 years old	7,062	7,095	7,170	7,697	7,896	7,809	23.0	22.5	20.1	2.5	10.1	1.1
18-24 years old	3,853	3,845	3,813	3,703	3,924	4,314	12.2	11.2	11.1	5.4	2.9	9.9
25-34 years old	5,582	5,639	5,685	5,534	5,284	5,590	18.3	15.0	14.4	31.2	-7.4	6.2
35-44 years old	3,826	4,010	4,210	5,041	5,481	5,076	13.5	15.6	13.1	52.9	30.2	7.4
45-54 years old	2,558	2,820	2,886	3,261	4,106	5,369	8.8	11.7	13.8	17.4	52.9	30.8
55-64 years old	2,135	2,146	2,156	2,288	2,678	3,995	6.9	7.3	10.3	12.1	19.6	55.0
65-74 years old	1,545	1,576	1,608	1,782	1,848	2,277	5.2	5.3	5.9	19.0	14.9	23.2
75 years old and over	956	981	1,005	1,122	1,283	1,584	3.2	3.7	4.1	33.1	27.7	23.5
18 years old and over	21,592	21,920	22,226	23,880	25,706	29,467	71.4	73.2	75.9	19.2	15.7	14.6
Male	14,414	14,625	14,835	15,840	16,787	18,802	47.6	47.6	47.9	16.2	13.2	10.8
Female	15,874	16,094	16,313	17,359	18,342	20,231	52.4	52.2	52.1	15.4	12.4	10.3

Z Less than .05 percent. ¹ Includes other races not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 1018.

NO. 18. RESIDENT POPULATION, BY SEX, RACE, RESIDENCE, AND MEDIAN AGE: 1790 TO 1967

[In thousands, except as indicated. Excludes Armed Forces abroad. For definition of median, see Guide to Tabular Presentation. See also *Historical Statistics, Colonial Times to 1970*, series A 73-81 and A 143-148]

DATE	SEX		RACE				RESIDENCE ¹		MEDIAN AGE (yr) ²		
	Male	Female	White	Black		Other	Urban	Rural	All races	White	Bl
				Number	Percent						
CONTINUOUS U.S. ²											
1790 (Aug. 2)	(NA)	(NA)	3,172	757	19.3	(NA)	202	3,729	(NA)	(NA)	(NA)
1800 (Aug. 4)	(NA)	(NA)	4,308	1,002	19.9	(NA)	522	4,880	(NA)	(NA)	(NA)
1850 (June 1)	11,836	11,354	19,553	3,639	15.7	(NA)	3,544	19,648	18.9	19.2	1
1860 (June 1)	16,085	15,358	26,823	4,442	14.1	79	6,217	25,227	19.4	19.7	1
1870 (June 1)	19,494	19,085	33,689	4,880	12.7	89	9,902	29,656	20.2	20.4	1
1880 (June 1)	25,519	24,637	43,403	6,581	13.1	172	14,130	38,026	20.9	21.4	1
1890 (June 1)	32,237	30,711	55,101	7,489	11.9	358	22,108	40,841	22.0	22.5	1
1900 (June 1)	38,816	37,179	66,808	8,834	11.6	351	30,160	45,835	22.9	23.4	1
1910 (Apr. 15)	47,332	44,640	81,732	9,828	10.7	413	41,999	49,973	24.1	24.5	2
1920 (Jan. 1)	53,900	51,810	84,821	10,483	9.9	427	54,158	51,553	25.3	25.6	2
1930 (Apr. 1)	62,137	60,638	110,287	11,891	9.7	597	68,855	53,820	26.4	26.8	2
1940 (Apr. 1)	66,062	65,808	116,215	12,866	9.8	599	74,424	57,246	29.0	29.5	2
1950 (Apr. 1)	74,633	75,864	134,842	15,042	10.0	713	95,468	54,230	30.2	30.8	2
UNITED STATES											
1950 (Apr. 1)	75,167	76,139	135,150	15,046	9.9	1,131	95,847	54,479	30.2	30.7	2
1960 (Apr. 1)	88,331	89,892	158,632	18,872	10.6	1,820	125,289	54,054	29.5	30.3	2
1970 (Apr. 1) ³	98,826	104,309	178,088	22,581	11.1	2,557	149,325	53,887	28.0	28.9	2
1980 (Apr. 1) ⁴	110,053	116,493	194,713	26,883	11.8	5,150	167,051	59,495	30.0	30.9	2
1983 (July 1) ⁵	113,919	120,365	199,849	29,055	12.0	6,379	(NA)	(NA)	30.9	31.8	2
1984 (July 1) ⁵	115,022	121,455	201,290	29,457	12.0	6,730	(NA)	(NA)	31.2	32.1	2
1985 (July 1) ⁵	116,160	122,576	202,789	29,870	12.1	7,097	(NA)	(NA)	31.5	32.4	2
1986 (July 1) ⁵	117,385	123,730	204,312	29,308	12.2	7,478	(NA)	(NA)	31.8	32.7	2
1987 (July 1) ⁵	118,531	124,899	205,820	29,736	12.2	7,845	(NA)	(NA)	32.1	33.0	2

NA. Not available. ¹ Beginning 1980, current definition. For explanation of change, see text, section 1. ² Excludes Alaska and Hawaii. ³ The revised 1970 resident population count is 203,302,031; which incorporates changes due to errors found at tabulations were completed. The race and sex data shown here reflect the official 1970 census count while the residence data come from the tabulated count; see text, section 1. ⁴ The race data shown for April 1, 1980 have been modified; see text, section 1 for explanation. ⁵ Estimated.

NO. 19. RATIO OF MALES TO FEMALES, BY AGE GROUP, 1920 TO 1987, AND BY RACE, 1987

[Represents number of males per 100 females. Total resident population]

AGE	1920 (Jan. 1)	1930 (Apr. 1)	1940 (Apr. 1)	1950 (Apr. 1)	1960 (Apr. 1)	1970 (Apr. 1)	1980 (Apr. 1)	1986 (July 1)	1987 (July 1)		
									Total ¹	White	Blk.
All ages	104.1	102.6	100.7	98.6	97.1	94.5	94.5	94.5	94.5	98.6	9
Under 14 years	102.1	102.8	103.0	103.7	103.4	103.9	104.8	104.9	104.9	105.4	10
14-24 years	97.3	98.4	98.9	98.2	98.7	98.7	101.9	102.2	102.4	102.9	11
25-44 years	105.1	101.9	98.5	98.4	95.7	95.5	97.4	98.5	98.6	100.8	8
45-64 years	115.2	108.1	105.2	100.1	98.7	91.6	90.7	91.6	91.6	93.2	8
65 years and over	101.3	100.5	98.5	98.8	92.8	72.1	87.6	87.9	88.4	88.3	8

¹ Includes other races, not shown separately. ² Includes "age not reported."

Source of tables 18 and 19: U.S. Bureau of the Census, *U.S. Census of Population: 1930*, vol. II; *1940*, vol. II, part 1, and IV, part 1; *1950*, vol. II, part 1; *1960*, vol. I, part 1; *1970*, vol. I, part B; and *Current Population Reports*, series P-25, No. 10.

NO. 20. HISPANIC POPULATION, BY AGE AND SEX: 1980 AND 1987

[1980, as of April; 1987, as of March. Hispanic persons may be of any race]

ITEM	Total, all years	Under 5 years	5-9 years	10- 14 years	15- 19 years	20- 24 years	25- 29 years	30- 34 years	35- 39 years	40- 44 years	45- 49 years	50- 54 years	55- 59 years	60- 64 years	65 years and over	M of B; of Y
NUMBER (1,000)																
1980, total	14,809	1,883	1,537	1,476	1,408	1,588	1,376	1,129	854	712	622	584	464	321	709	21
Male	7,280	848	783	747	827	819	697	558	418	345	300	270	217	147	305	21
Female	7,329	815	754	729	780	767	679	570	436	367	321	294	237	174	404	21
1987, total	18,790	1,995	1,977	1,715	1,858	1,997	1,936	1,877	1,388	1,041	786	697	556	487	906	21
Male	9,414	1,010	1,015	873	844	1,050	961	878	705	497	357	337	252	220	388	21
Female	9,376	985	961	841	814	939	955	799	683	543	398	361	303	268	518	21
PERCENT																
1980, total	100.0	11.4	10.5	10.1	11.0	10.9	9.4	7.7	6.8	4.8	4.3	3.9	3.1	2.2	4.8	
Male	100.0	11.6	10.6	10.3	11.4	11.3	9.6	7.7	5.7	4.7	4.1	3.7	3.0	2.0	4.2	
Female	100.0	11.1	10.3	9.9	10.6	10.5	9.3	7.8	6.0	5.0	4.4	4.0	3.2	2.4	5.5	
1987, total	100.0	10.8	10.6	9.1	9.8	10.6	10.3	9.9	7.4	5.6	4.0	3.7	3.0	2.6	4.8	
Male	100.0	10.7	10.8	9.2	9.0	11.2	10.4	9.3	7.5	5.3	3.8	3.6	2.7	2.3	4.1	
Female	100.0	10.5	10.2	9.0	9.7	10.0	10.2	9.5	7.4	5.8	4.2	3.9	3.2	2.9	5.5	

X Not applicable.

Source: U.S. Bureau of the Census, *1980 Census of Population*, vol. 1, chapter B (PC80-1-B); *Current Population Reports*, series P-20, No. 416; and unpublished data.

NO. 21. RESIDENT POPULATION, BY AGE, SEX, AND RACE: 1970 TO 1967

[In thousands, except as indicated. 1970 and 1960 data based on enumerated population as of April 1; other years based on estimated population as of July 1. Excludes Armed Forces overseas. For definition of median, see Guide to Tabular Presentation. See also *Historical Statistics, Colonial Times to 1970*, series A119-134.]

YEAR, SEX, AND RACE	Total, all years	Under 5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-74 years	75 years and over	5-13 years	14-17 years	18-24 years	16 years and over	65 years and over	Me- dian age (yr.)
1970, total ¹	203,236	17,163	19,969	20,904	19,094	16,393	12,486	11,437	11,113	11,298	12,124	11,111	9,979	9,623	12,443	7,530	36,676	16,661	23,714	141,298	19,972	28.0
Male	99,926	8,750	10,175	10,598	9,641	7,925	6,626	5,596	5,416	5,823	5,955	5,351	4,769	4,030	5,440	2,927	18,667	8,069	11,583	67,347	6,367	28.6
Female	104,309	8,413	9,794	10,206	9,443	8,468	6,659	5,838	5,697	6,165	6,269	5,769	5,210	4,593	7,002	4,603	17,967	7,782	12,131	73,920	11,605	29.3
White	176,096	14,464	16,941	17,724	16,412	14,327	11,950	10,000	9,749	10,633	10,965	10,019	9,021	7,818	11,300	6,972	31,171	13,579	20,655	125,520	18,272	28.9
Black	22,561	2,434	2,749	2,612	2,425	1,816	1,429	1,254	1,196	1,196	1,124	960	874	734	1,043	501	5,009	2,073	2,721	14,053	1,544	22.4
1960, total ¹	229,546	16,348	16,769	18,242	21,198	21,319	19,521	17,891	19,999	11,530	11,530	11,716	11,616	10,998	16,951	9,999	31,169	16,247	30,022	171,198	25,546	28.0
Male	110,053	8,362	8,539	9,316	10,755	10,963	9,705	8,677	8,662	5,706	5,396	5,621	5,492	4,670	6,757	3,548	15,923	8,298	15,054	81,795	10,305	28.8
Female	116,493	7,986	8,161	8,926	10,413	10,655	9,816	8,984	7,104	5,961	5,702	6,099	8,133	5,418	8,824	6,420	15,237	7,950	14,969	89,429	15,245	31.3
White ²	194,713	13,414	13,717	15,095	17,681	18,072	16,656	15,157	12,122	10,110	9,983	10,360	10,394	9,078	14,045	9,117	25,691	13,492	25,361	149,121	23,162	30.9
Male ²	94,924	6,862	7,034	7,730	9,009	9,102	8,369	7,565	6,014	4,991	4,755	5,016	4,928	4,221	6,065	3,221	13,165	6,906	12,803	71,559	9,316	29.8
Female ²	96,736	6,532	6,663	7,365	8,673	8,970	8,295	7,592	6,108	5,119	4,938	5,344	5,466	4,858	7,950	5,896	12,526	6,566	12,579	77,566	13,846	32.2
Black ²	26,663	2,458	2,509	2,691	3,007	2,749	2,342	1,904	1,469	1,260	1,150	1,135	1,041	874	1,344	746	4,629	2,360	3,946	18,425	2,062	24.9
Male ²	12,812	1,240	1,265	1,353	1,500	1,313	1,095	879	667	571	519	507	469	366	567	281	2,330	1,196	1,903	8,454	849	23.6
Female ²	14,071	1,220	1,245	1,338	1,506	1,436	1,247	1,025	801	699	632	626	573	486	777	467	2,296	1,161	2,045	9,971	1,243	26.2
1951, total	229,637	16,931	16,063	16,312	20,501	21,614	20,200	18,786	14,361	12,019	10,992	11,616	11,579	10,376	15,914	10,323	30,754	15,598	30,168	174,517	26,236	30.3
Male	231,966	17,296	16,020	16,172	19,867	21,587	20,753	18,806	15,599	12,450	11,027	11,455	11,510	10,803	16,197	10,630	30,614	15,040	30,012	176,822	26,827	30.6
Female	234,284	17,650	16,147	17,912	19,274	21,469	21,202	19,211	16,165	13,135	11,226	11,213	11,526	10,705	16,494	10,984	30,410	14,720	29,692	176,985	27,426	30.9
1944, total	236,477	17,630	16,464	17,511	18,786	21,327	21,536	19,696	18,932	13,614	11,463	11,032	11,444	10,872	16,739	11,234	30,236	14,704	29,145	160,992	27,973	31.2
1935, total	236,736	18,004	16,822	17,101	18,552	21,000	21,756	20,269	17,706	14,056	11,645	10,944	11,342	10,965	17,009	11,531	30,110	14,865	28,500	163,040	26,540	31.5
1926, total	241,095	18,152	17,295	16,565	18,610	20,411	22,005	20,774	18,723	14,347	11,926	10,869	11,271	10,981	17,332	11,836	30,351	14,797	27,733	185,236	29,167	31.8
1917, total ¹	243,409	18,252	17,891	16,495	13,496	19,793	21,298	21,236	18,736	15,667	12,360	19,999	11,121	10,998	17,997	12,198	30,022	14,467	27,107	187,463	29,835	32.1
Male	118,531	9,341	9,037	8,480	9,412	9,915	11,009	10,651	9,273	7,639	6,025	5,265	5,298	5,068	7,824	4,296	15,784	7,414	13,615	89,992	12,119	31.0
Female	124,869	8,910	8,625	8,035	9,047	9,878	10,971	10,674	9,465	7,926	6,326	5,641	5,823	5,831	9,844	7,873	15,039	7,053	13,492	97,572	17,716	33.3
White	205,820	14,754	14,240	13,246	15,014	16,367	16,436	17,975	15,968	13,505	10,831	9,437	9,735	9,647	15,817	11,046	24,828	11,700	22,339	160,733	26,865	33.0
Male	100,589	7,567	7,305	8,903	7,684	8,236	9,313	9,071	7,904	6,696	5,239	4,612	4,873	4,507	7,028	3,877	12,744	6,003	11,284	77,454	10,805	31.9
Female	105,231	7,187	6,935	6,442	7,360	6,129	9,121	8,903	7,974	6,809	5,392	4,825	5,063	5,139	8,799	7,171	12,984	5,697	11,075	83,279	15,960	34.2
Black	29,736	2,745	2,726	2,569	2,790	2,762	2,811	2,583	2,106	1,546	1,323	1,169	1,112	1,012	1,516	930	4,766	2,235	3,846	21,116	2,448	27.2
Male	14,103	1,393	1,363	1,314	1,406	1,334	1,334	1,215	964	699	594	523	506	455	647	337	2,426	1,135	1,674	9,729	994	25.8
Female	15,633	1,352	1,345	1,275	1,384	1,428	1,477	1,378	1,144	846	729	646	607	557	871	594	2,358	1,100	1,974	11,396	1,465	26.5
Percent																						
1970	100.0	8.4	9.8	10.2	9.4	8.1	6.6	5.6	5.5	5.9	6.0	5.5	4.9	4.2	6.1	3.7	16.0	7.6	11.7	69.5	9.6	(x)
1960	100.0	7.2	7.4	8.1	9.3	9.4	6.6	7.6	6.2	5.2	4.9	5.2	5.1	4.5	6.9	4.4	13.8	7.2	13.3	75.6	11.3	(x)
1957, total ¹	199.6	7.5	7.3	8.8	7.9	8.1	8.8	8.8	7.7	6.4	5.1	4.5	4.5	4.5	7.3	5.9	12.7	5.9	11.1	77.9	12.3	(x)
Male	100.0	7.9	7.6	7.1	7.9	6.4	9.3	9.0	7.8	6.4	5.1	4.5	4.5	4.3	6.6	3.6	13.3	6.3	11.5	75.8	10.2	(x)
Female	100.0	7.1	6.9	6.4	7.2	7.9	8.8	8.5	7.6	6.3	5.1	4.5	4.7	4.7	7.9	6.3	12.0	5.6	10.8	78.1	14.2	(x)
White	100.0	7.2	6.9	6.4	7.3	6.0	9.0	8.7	7.8	6.6	5.2	4.6	4.7	4.7	7.7	5.4	12.1	5.7	10.9	78.1	13.1	(x)
Black	100.0	9.2	9.2	6.7	9.4	9.3	9.5	8.7	7.1	5.2	4.4	3.9	3.7	3.4	5.1	3.1	16.1	7.5	12.9	71.0	8.2	(x)

X Not applicable. ¹ Includes other races, not shown separately. ² Official count. The revised 1970 resident population count is 203,302,031; the difference of 66,733 is due to errors found after release of the official series. ³ The race data shown for April 1, 1960 have been modified. See text, section 1 for explanation.

No. 22. RESIDENT POPULATION—

(1990-1999, as of Apr. 1; beginning 1991, as of July 1. Insofar as possible, population shown for all years is that of present area of State; See Historical Statistics, Colonial Times to 1870, series A 172, for population by regions.)

REGION, DIVISION, AND STATE OR OTHER AREA	POPULATION (1,000)											RANK
	1990	1999	1970	1980	1991	1992	1993	1994	1995	1996	1997, prel.	
U.S.	181,328	179,323	223,292	226,546	225,637	231,996	234,294	236,477	236,726	241,096	243,490	(X)
Regions:												
Northeast	39,476	44,576	48,061	49,135	49,262	49,324	49,526	49,713	49,856	50,066	50,276	(X)
Midwest	44,461	51,619	56,599	56,666	56,006	56,967	58,630	59,091	59,193	59,292	59,536	(X)
South	47,197	54,973	62,812	75,372	77,057	78,483	79,732	80,766	81,891	83,003	83,884	(X)
West	20,190	26,053	34,836	43,172	44,313	45,232	46,065	46,867	47,794	48,746	49,700	(X)
N.E.	8,314	10,399	11,846	12,346	12,419	12,436	12,468	12,677	12,893	12,742	12,944	(X)
ME	914	969	894	1,125	1,135	1,139	1,147	1,157	1,166	1,172	1,187	35
NH	533	607	736	921	937	946	959	978	996	1,027	1,057	44
VT	378	390	445	511	516	520	526	530	536	541	546	46
MA	4,691	5,149	5,969	5,737	5,764	5,746	5,784	5,796	5,823	5,834	5,866	9
RI	792	869	960	947	952	953	955	960	967	976	986	36
CT	2,007	2,535	3,032	3,108	3,124	3,126	3,143	3,157	3,175	3,193	3,211	28
N.A.	39,164	34,198	37,213	36,787	36,644	36,666	37,034	37,196	37,196	37,313	37,433	(X)
NY	14,830	16,782	16,241	17,566	17,569	17,575	17,670	17,727	17,762	17,796	17,825	1
NJ	4,836	6,067	7,171	7,385	7,407	7,430	7,468	7,516	7,566	7,625	7,672	8
PA	10,498	11,319	11,801	11,864	11,679	11,663	11,695	11,692	11,664	11,694	11,936	3
E.N.C.	39,398	36,226	40,992	41,992	41,711	41,697	41,611	41,691	41,642	41,722	41,984	(X)
OH	7,947	8,706	10,667	10,798	10,801	10,777	10,741	10,742	10,746	10,748	10,784	5
IN	3,934	4,662	5,185	5,490	5,488	5,484	5,476	5,492	5,500	5,503	5,531	12
IL	8,712	10,081	11,110	11,427	11,474	11,481	11,483	11,525	11,536	11,561	11,562	4
MN	6,372	7,823	6,662	9,262	9,210	9,116	9,054	9,060	9,065	9,139	9,200	7
WI	3,436	3,652	4,416	4,706	4,738	4,747	4,748	4,763	4,775	4,783	4,807	14
W.N.C.	14,961	16,394	16,327	17,163	17,296	17,360	17,419	17,509	17,661	17,899	17,834	(X)
MI	2,962	3,414	3,906	4,076	4,112	4,133	4,145	4,163	4,190	4,213	4,246	16
IA	2,821	2,769	2,825	2,914	2,918	2,906	2,905	2,904	2,860	2,860	2,834	22
MO	3,656	4,320	4,676	4,917	4,938	4,943	4,965	5,004	5,034	5,064	5,103	11
ND	620	632	616	653	661	672	681	687	686	679	672	41
SD	653	661	666	691	692	695	699	706	706	706	709	40
NE	1,329	1,411	1,465	1,570	1,563	1,580	1,596	1,606	1,604	1,606	1,604	33
KS	1,906	2,179	2,249	2,364	2,410	2,410	2,426	2,441	2,449	2,459	2,476	31
S.A.	21,162	25,972	30,676	36,669	37,797	38,319	38,676	38,634	40,214	40,636	41,664	(X)
DE	316	446	546	694	697	690	696	614	622	633	644	47
MD	2,343	3,101	3,924	4,217	4,256	4,272	4,299	4,347	4,391	4,461	4,536	24
DC	602	764	767	896	633	627	624	624	623	625	622	(X)
VA	3,319	3,967	4,661	5,347	5,442	5,486	5,558	5,635	5,701	5,796	5,904	16
WV	2,006	1,660	1,744	1,960	1,961	1,962	1,963	1,962	1,936	1,917	1,897	29
NC	4,062	4,566	5,064	5,662	5,666	5,619	5,680	5,669	5,680	5,691	5,613	10
SC	2,117	2,363	2,591	3,122	3,166	3,220	3,253	3,296	3,334	3,361	3,425	27
GA	3,446	3,943	4,588	5,463	5,670	5,654	5,736	5,843	5,973	6,100	6,222	13
FL	2,771	4,952	6,761	8,746	10,164	10,475	10,756	11,063	11,373	11,694	12,023	20
S.E.C.	11,477	12,696	12,699	14,666	14,766	14,873	14,961	15,040	15,139	15,299	15,399	(X)
KY	2,945	3,038	3,221	3,661	3,676	3,695	3,716	3,723	3,726	3,726	3,727	19
TN	3,292	3,567	3,926	4,691	4,636	4,666	4,690	4,729	4,766	4,800	4,855	16
AL	3,062	3,267	3,444	3,894	3,926	3,944	3,963	3,991	4,020	4,060	4,083	17
MS	2,179	2,176	2,217	2,621	2,544	2,567	2,593	2,609	2,613	2,624	2,625	26
W.S.C.	14,536	16,961	19,298	22,747	24,474	25,292	25,992	26,212	26,549	26,864	26,910	(X)
AR	1,910	1,786	1,923	2,266	2,300	2,306	2,326	2,346	2,369	2,371	2,366	30
LA	2,884	3,257	3,646	4,206	4,300	4,363	4,441	4,462	4,496	4,499	4,461	21
OK	2,239	2,398	2,559	3,025	3,106	3,223	3,317	3,321	3,316	3,306	3,272	25
TX	7,711	9,680	11,189	14,229	14,766	15,376	15,816	16,063	16,369	16,669	16,769	6
Mt.	5,976	6,866	8,399	11,373	11,742	12,064	12,319	12,537	12,798	12,982	13,167	(X)
MT	591	676	694	787	796	805	816	823	825	817	809	42
ID	569	667	713	844	854	878	896	909	1,004	1,002	996	43
WY	291	330	332	470	494	510	516	513	510	507	490	48
CO	1,325	1,754	2,210	2,690	2,684	3,072	3,148	3,169	3,233	3,266	3,296	34
NM	681	951	1,017	1,303	1,335	1,399	1,402	1,427	1,450	1,473	1,500	38
AZ	760	1,302	1,775	2,716	2,809	2,864	2,956	3,047	3,161	3,279	3,386	37
UT	689	891	1,059	1,461	1,516	1,569	1,596	1,623	1,644	1,664	1,660	39
NV	160	265	489	800	845	877	896	916	940	967	1,007	45
Pac.	16,116	21,198	26,549	31,800	32,579	33,179	33,777	34,369	35,027	35,763	36,523	(X)
WA	2,379	2,853	3,413	4,132	4,237	4,279	4,304	4,349	4,406	4,463	4,536	23
OR	1,521	1,769	2,062	2,633	2,671	2,671	2,663	2,679	2,699	2,702	2,724	32
CA	10,696	15,717	19,971	23,996	24,267	24,796	25,309	25,760	26,356	27,001	27,663	2
AK	129	226	303	402	416	446	483	505	522	532	525	60
HI	500	633	770	965	960	966	1,019	1,036	1,061	1,065	1,063	46
PR	2,211	2,360	2,712	3,197	3,245	3,282	3,295	3,299	3,292	3,274	(NA)	(X)

NA Not available. X Not applicable. Z Less than .05 percent. ¹For U.S., population of U.S. has been divided by total land area. For each State and Puerto Rico, population at given census has been divided by land area as then constituted.

STATES AND PUERTO RICO: 1960 TO 1987

for area figures of States, see table 331. For composition of regions, see fig. 1, inside front cover. Minus sign (—) indicates decrease and A 100-100 for population and density, by States]

Area ¹				PERCENT CHANGE				POPULATION PER SQ. MILE OF LAND AREA ¹					REGION, DIVISION, AND STATE OR OTHER AREA
1960	1970	1980	1987	1960- 1970	1970- 1980	1980- 1987	1960	1970	1980	■	1987		
(X)	(X)	(X)	(X)	18.6	13.4	11.4	7.4	42.6	88.6	^a 67.4	64.0	66.8	U.S.
(X)	(X)	(X)	(X)	13.2	9.6	.2	2.3	241.2	273.4	300.4	301.9	308.9	Region:
(X)	(X)	(X)	(X)	16.1	9.6	4.0	1.1	66.6	66.6	75.2	78.3	79.2	Northeast
(X)	(X)	(X)	(X)	16.5	14.3	20.0	11.3	63.7	62.8	71.9	66.3	66.1	Midwest
(X)	(X)	(X)	(X)	36.9	24.2	23.9	16.1	11.5	16.0	19.9	24.6	26.4	South
(X)	(X)	(X)	(X)	12.8	12.7	4.2	4.0	147.8	188.8	188.1	196.0	202.8	West
36	36	36	36	6.1	2.6	13.2	5.5	29.4	31.3	32.1	36.3	36.3	N.E.
45	41	42	40	13.8	21.6	24.8	14.8	68.1	67.2	81.7	102.4	117.5	ME
47	46	46	46	3.2	14.1	15.0	7.2	40.7	42.0	47.9	55.2	58.1	NH
8	10	11	13	9.8	10.6	.8	2.1	596.2	667.3	727.0	733.3	748.4	VT
39	39	40	49	8.5	10.6	—3	4.1	748.6	819.3	902.6	897.8	934.6	MA
25	24	25	26	28.2	19.8	2.5	3.3	409.7	520.6	623.6	637.8	659.1	RI
(X)	(X)	(X)	(X)	13.3	6.8	—1.1	1.8	360.1	346.2	370.8	368.9	375.3	CT
1	2	2	2	13.2	6.7	—3.7	1.5	308.3	350.6	381.3	370.6	376.2	M.A.
8	8	9	9	25.5	18.2	2.7	4.2	642.8	806.5	953.1	966.2	1,027.3	NY
3	3	4	5	7.8	■	.8	.6	233.1	251.4	262.3	264.3	265.6	NJ
(X)	(X)	(X)	(X)	18.2	11.1	3.5	.5	124.1	148.2	164.9	170.8	171.8	PA
5	6	6	7	22.1	9.0	1.3	—1	163.8	236.8	260.0	263.3	263.0	E.N.C.
11	11	12	14	16.5	11.4	6.7	.7	106.7	126.8	143.9	152.8	153.9	OH
4	5	5	6	15.7	10.2	2.8	1.4	156.8	180.4	199.4	205.3	208.1	IN
7	7	8	8	22.8	13.5	4.3	—7	111.7	137.7	156.2	162.6	161.5	IL
15	16	18	17	15.1	11.8	6.5	2.1	62.8	72.6	81.1	86.5	86.3	MI
(X)	(X)	(X)	(X)	9.6	6.1	6.2	2.6	27.6	30.3	32.1	33.8	34.7	WI
18	19	21	21	14.6	11.5	7.1	4.2	37.3	43.1	48.0	51.2	53.4	W.N.C.
24	25	27	29	5.2	2.4	3.1	—2.7	88.6	49.2	50.5	52.1	50.6	MN
13	13	15	15	9.2	8.9	5.1	3.8	57.1	62.6	67.8	71.3	74.0	IA
44	45	46	46	2.1	—2.2	6.7	2.9	8.6	9.1	8.9	9.4	9.7	MO
40	44	45	45	4.3	—2.2	3.7	2.7	8.6	9.0	8.8	9.1	9.3	ND
34	35	35	36	6.5	5.2	6.7	1.6	17.3	18.4	19.4	20.5	20.8	SD
28	28	32	■	14.3	3.2	5.1	4.7	23.2	28.6	27.5	28.9	30.3	NE
(X)	(X)	(X)	(X)	22.8	16.1	28.5	12.8	79.8	97.1	114.9	138.4	166.2	KS
46	46	47	47	40.3	22.8	8.4	6.3	180.8	225.2	279.5	307.6	333.3	S.A.
21	18	18	19	32.3	26.5	7.5	7.5	237.1	313.5	396.6	426.7	461.0	DE
(X)	(X)	(X)	(X)	—4.6	—	15.6	2.6	13,151	12,524	12,402	10,132	9,871	MO
14	14	14	12	19.5	17.2	14.9	10.4	83.2	96.6	116.9	134.7	146.7	DC
30	34	34	34	—7.2	—6.2	11.8	—2.7	83.3	77.2	72.5	60.6	76.7	VA
12	12	10	10	12.2	11.6	16.7	9.0	82.7	99.2	104.1	120.4	131.3	WV
26	26	24	■	12.5	6.7	20.5	9.7	69.8	78.7	■	103.4	113.4	NC
16	15	13	11	14.5	16.4	18.1	13.9	68.9	67.8	79.0	94.1	107.2	SC
10	9	7	4	78.7	37.1	43.5	23.4	51.1	81.6	126.5	180.0	222.0	GA
(X)	(X)	(X)	(X)	5.0	6.3	14.5	4.3	63.8	67.2	71.5	82.0	86.6	FL
22	23	25	23	3.2	6.0	13.7	1.8	73.9	76.2	81.2	92.3	94.0	E.S.C.
17	17	17	16	8.4	10.1	16.9	6.7	78.8	86.2	94.9	111.6	118.0	KY
19	21	22	22	6.7	5.4	13.1	4.9	58.9	64.2	67.9	76.7	80.4	TN
29	28	31	31	(—2)	1.8	13.7	4.1	46.1	46.0	46.8	53.4	55.6	AL
(X)	(X)	(X)	(X)	16.8	14.6	22.9	13.3	33.8	38.5	46.2	56.6	63.0	MS
31	32	33	33	—6.5	7.7	16.9	4.5	36.3	34.2	37.0	43.9	45.9	W.S.C.
20	20	19	20	21.4	11.9	15.4	8.1	69.4	72.2	81.0	94.5	100.2	AR
27	27	26	27	4.3	9.0	18.2	8.2	32.4	33.8	37.2	44.1	47.7	LA
6	4	3	3	24.2	16.9	27.1	18.0	29.3	36.4	42.7	54.3	64.1	OK
(X)	(X)	(X)	(X)	36.1	20.8	37.2	16.8	6.9	6.0	6.7	13.9	15.4	TX
41	43	44	44	14.2	2.8	13.3	2.9	4.1	4.8	4.8	5.4	5.6	MT
42	42	41	42	13.3	6.9	32.4	5.8	7.1	8.1	8.6	11.5	12.1	ID
46	46	48	50	13.6	.6	41.3	4.4	3.0	3.4	3.4	4.8	5.1	WY
33	30	28	26	32.4	26.0	30.8	14.1	12.6	16.9	21.3	27.9	31.8	CO
37	37	37	37	39.6	6.9	26.1	15.1	5.6	7.8	8.4	10.7	12.4	NM
36	33	29	26	73.7	36.3	53.1	24.6	6.6	11.5	15.6	23.9	29.8	AZ
36	36	36	36	29.3	18.9	37.9	15.0	8.4	10.6	12.9	17.8	20.5	UT
46	47	43	41	78.2	71.6	63.8	25.8	1.5	2.6	4.4	7.3	9.2	NV
(X)	(X)	(X)	(X)	40.2	25.2	19.8	14.9	16.8	23.8	^a 28.7	36.5	40.8	Pac.
23	22	20	18	19.9	19.6	21.1	9.8	35.6	42.6	51.2	62.1	68.2	WA
32	31	30	30	16.3	16.3	25.9	3.4	15.8	18.4	21.7	27.4	28.3	OR
2	1	1	1	46.5	27.1	18.5	18.9	67.5	100.4	127.6	151.4	177.0	CA
60	60	60	49	75.8	34.1	32.8	30.7	.2	.4	.5	.7	.9	AK
43	40	39	39	26.2	21.6	25.3	12.2	78.0	98.5	119.6	150.1	■	H
(X)	(X)	(X)	(X)	6.3	15.4	17.9	(NA)	645.6	886.4	792.6	■	(NA)	PR

¹ Land area for Alaska corrected after 1970 final reports were issued.

Sources: U.S. Bureau of the Census, *Census of Population: 1970*, vol. 1; and *1980 Census of Population*, vol. 1, chapter A (PC80-1-A) and chapter B (PC80-1-B); and *Current Population Reports*, series P-25, No. 1024.

NO. 23. U.S. RESIDENT POPULATION, BY REGION AND DIVISION, 1980 TO 1987, AND PROJECTION 1980 TO 2000

[As of April 1, except beginning 1987, as of July 1. For composition of divisions, see fig. 1, inside front cover]

REGION AND DIVISION	POPULATION (millions)							PERCENT DISTRIBUTION					
	1980	1970	1980	1987	1980	1986	2000	1980	1970	1986	1987	1980	1986
United States	178.3	203.3	228.8	243.4	249.9	258.6	267.7	100.0	100.0	100.0	100.0	100.0	100.0
Northeast	44.7	48.1	49.1	50.3	50.8	51.3	51.8	24.9	24.1	21.7	20.7	20.2	19.8
New England	10.5	11.8	12.3	12.8	13.1	13.5	13.8	5.9	5.8	5.5	5.3	5.2	5.2
Middle Atlantic	34.2	37.2	36.8	37.4	37.8	37.8	38.0	19.1	18.3	16.2	15.4	15.0	14.6
Midwest	51.6	56.8	58.9	59.5	59.8	59.9	59.6	28.8	27.8	26.0	24.5	23.9	23.1
East North Central	38.2	40.3	41.7	41.9	42.1	42.0	41.7	20.2	19.8	18.4	17.2	16.8	16.2
West North Central	15.4	16.3	17.2	17.6	17.7	17.8	17.9	8.6	8.0	7.6	7.2	7.1	6.9
South	55.0	62.8	75.4	83.9	87.3	92.4	98.9	30.7	30.9	33.3	34.5	34.9	35.6
South Atlantic	28.0	30.7	37.0	41.7	43.7	47.1	50.0	14.5	15.1	16.3	17.1	17.5	18.1
East South Central	12.1	12.8	14.7	15.3	15.6	16.0	16.3	6.7	6.3	6.5	6.3	6.2	6.2
West South Central	17.0	19.3	23.7	26.9	27.9	29.3	30.6	9.5	9.5	10.5	11.1	11.2	11.3
West	28.1	34.8	43.2	49.7	52.3	58.1	59.4	15.6	17.1	19.1	20.4	20.9	21.6
Mountain	8.9	8.3	11.4	19.2	14.0	16.1	16.0	3.8	4.1	5.0	5.4	5.8	5.8
Pacific	21.2	26.5	31.8	38.5	38.3	41.0	43.4	11.8	13.1	14.0	15.0	15.3	15.8

Source: U.S. Bureau of the Census, *Census of Population: 1970*, vol. 1; *1980 Census of Population*, vol. 1, chapter A (PC1 A); *Current Population Reports*, series P-25, Nos. 1017 and 1084.

NO. 24. ANNUAL IMMIGRATION, OUTMIGRATION, AND NET MIGRATION FOR REGIONS, 1980 TO 1987 AND MOVEMENT BETWEEN REGIONS, 1986-1987

[In thousands. As of March. For persons 1 year old and over. Excludes members of the Armed Forces except those living off or with their families on post. Based on *Current Population Survey*; see text, section I and Appendix III. For composition of regions, see fig. 1, inside front cover. Minus sign (-) indicates net outmigration]

PERIOD	North-east	Mid-west	South	West	PERIOD	North-east	Mid-west	South
1980-1981: Immigrants	464	650	1,377	871	1986-1987: Immigrants	502	1,011	1,355
Outmigrants	708	1,000	800	710	Outmigrants	752	908	1,320
Net migration	-242	-408	487	161	Net migration	-250	15	35
1981-1982: Immigrants	473	793	1,482	931	1986-1987:			
Outmigrants	686	1,163	1,012	819	Total immigrants	396	865	1,374
Net migration	-212	-370	470	112	From Northeast	(x)	130	433
1982-1983: Immigrants	439	681	1,211	880	From Midwest	71	(x)	558
Outmigrants	625	947	973	845	From South	226	482	(x)
Net migration	-186	-266	238	235	From West	101	286	393
1983-1984: Immigrants	487	820	1,309	834	Total outmigrants	732	969	1,085
Outmigrants	578	1,102	973	887	To Northeast	(x)	71	226
Net migration	-91	-282	426	-53	To Midwest	130	(x)	482
1984-1985: Immigrants	482	842	1,229	904	To South	433	558	(x)
Outmigrants	681	1,059	1,189	734	To West	169	340	407
Net migration	-209	-211	180	260	Net migration	-334	-111	279

X Not applicable.

NO. 25. MOBILITY STATUS OF THE POPULATION, BY SELECTED CHARACTERISTICS: 1986-1987

[See headnote, table 24]

AGE AND REGION	Total (1,000)	PERCENT DISTRIBUTION						Mo in str
		Non- movers (same house)	Movers (different house in U.S.)					
			Total	Same county	Different county			
					Total	Same State	Differ- ent State	
Total.....	236,000	81.4	19.1	11.9	9.6	5.7	2.9	
1-4 years old.....	14,430	72.6	26.7	18.2	8.5	5.0	3.5	
5-9 years old.....	17,510	79.8	19.9	13.5	6.4	3.7	2.7	
10-14 years old.....	16,454	83.4	16.1	11.0	5.1	2.8	2.3	
15-19 years old.....	18,186	82.3	17.0	10.8	6.2	3.3	2.8	
20-24 years old.....	19,358	84.4	14.7	11.7	13.1	7.8	5.4	
25-29 years old.....	21,639	87.3	11.8	10.4	11.4	6.7	4.7	
30-44 years old.....	54,631	80.8	18.8	12.1	8.9	5.9	3.0	
45-54 years old.....	23,018	89.8	10.2	6.0	4.2	2.3	1.9	
55-64 years old.....	21,883	92.1	7.7	4.3	3.4	1.8	1.5	
65-74 years old.....	17,232	94.2	5.6	3.4	2.3	1.2	1.0	
75 years old and over.....	10,743	95.0	4.9	3.0	1.9	1.2	.8	
Northeast.....	48,864	87.6	11.9	7.8	4.4	2.7	1.6	
Midwest.....	57,813	83.0	16.7	10.7	6.0	3.6	2.4	
South.....	80,500	79.4	20.3	12.9	7.4	4.0	3.4	
West.....	47,912	78.0	22.4	14.6	7.9	4.5	3.4	

Source of tables 24 and 25: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 430.

NO. 26. COMPONENTS OF POPULATION CHANGE—STATES: 1970-1980 AND 1980-1987

(In thousands, except percent. Total resident population. For explanation of methodology, see source. For composition of regions, see fig. 1, inside front cover. Minus sign (-) indicates decrease or net outmigration. See also *Historical Statistics, Colonial Times to 1970*, series C 25-75.)

REGION, DIVISION, AND STATE	APRIL 1, 1970 TO APRIL 1, 1980						APRIL 1, 1980 TO JULY 1, 1987				
	Net change		Births	Deaths	Net total migration ²	Error of closure ³	Net change		Births	Deaths	Net total migration ²
	Number	Per cent ¹					Number	Per cent ¹			
United States	22,344	15.4	22,344	18,378	4,518	4,783	18,864	7.4	28,716	14,746	4,684
Regions:											
Northeast	75	2	5,881	4,750	2,888	1,052	1,142	2.3	4,957	3,452	-383
Midwest	2,275	4.0	9,032	5,308	-2,703	1,255	679	1.1	6,826	3,811	2,142
South	12,558	20.0	11,221	8,210	5,982	1,557	8,511	11.3	8,199	5,001	4,313
West	8,334	23.8	6,330	3,010	4,115	889	6,528	15.1	5,934	2,461	3,075
New England	581	4.2	1,887	1,128	-241	388	486	4.8	1,344	834	88
Maine	131	13.2	161	108	52	24	82	5.5	121	79	20
New Hampshire	183	24.8	122	74	117	19	138	14.8	105	58	90
Vermont	87	15.0	72	43	27	11	37	7.2	56	33	12
Massachusetts	48	.8	737	580	-283	124	118	2.1	584	387	-49
Rhode Island	-3	-3	123	82	53	20	39	4.1	82	68	15
Connecticut	75	2.5	381	262	-121	87	104	3.3	304	199	-1
Middle Atlantic	-428	-1.1	5,058	3,832	-2,847	787	647	1.8	3,713	2,817	-448
New York		-3.7	2,481	1,722	1,820	378	287	1.8	1,822	1,230	-324
New Jersey		2.7	981	870	-275	187	307	4.2	735	603	75
Pennsylvania	63	5	1,593	1,230	-551	252	72	.8	1,157	864	201
East North Central	1,419	3.8		3,702	2,228	887	222	.8	4,619	2,886	1,741
Ohio	140	1.3	1,676	987	-779	230	14	-1	1,173	708	-478
Indiana	295	5.7	885	480	-208	116	41	7	588	347	-207
Illinois	316	2.8	1,780	1,088	648	241	158	1.4	1,316	740	420
Michigan	380	4.3	1,441	783	-488	198	82	-7	1,002	561	503
Wisconsin	288	8.5	882	408	-90	102	101	2.1	532	288	-123
West North Central	888	8.2	2,578	1,887	484	388	481	2.8	2,087	1,188	481
Minnesota	270	7.1	585	332	80	88	170	4.2	487	247	-70
Iowa	88	3.1	432	284	-122	82	80	2.7	312	197	-184
Missouri	238	5.1	728	502	-92	104	188	3.8	581	358	-7
North Dakota	36	5.7	107	58	-31	14	18	2.9	86	40	-27
South Dakota	25	3.7	117	68	41	15	18	2.7	90	48	-24
Nebraska	84	5.7	248	148	-47	34	25	1.8	188	107	-58
Kansas	115	5.1	354	220	-71	51	112	4.7	291	158	-20
South Atlantic	5,388	20.8	5,148	3,871	2,448	782	4,728	12.8	4,174	2,838	3,087
Delaware	46	8.4	88	49	8	12	50	8.3	88	35	19
Maryland	293	7.5	588	328		80	318	7.5	472	257	103
District of Columbia	-118	-15.6	109	77	-184	14	-16	-2.8	70	50	-38
Virginia	885	14.9	748	404	238	112	567	10.4	602	319	274
West Virginia	205	11.8	280	187	71	40	52	2.7	187	140	-99
North Carolina	797	15.7	883	488	278	121	531	9.0	628	371	275
South Carolina	531	20.5	488	240	210	83	303	9.7	374	182	121
Georgia	875	18.1	882	427	328	111	758	13.8	674	338	424
Florida	2,956	43.5	1,121	883	2,518	188	2,277	23.4	1,182	832	2,087
East South Central	1,888	14.6	2,381	1,382	888	388	823	4.2	1,838	888	-28
Kentucky	440	13.7	588	334	131	75	88	1.8	387	247	84
Tennessee	885	16.9	884	391	287	85	284	5.7	483	308	87
Alabama	450	13.1	615	344	97	81	188	4.8		284	18
Mississippi	304	13.7	454	233	31	52	104	4.1	322	173	-45
West South Central	4,421	22.8	3,772	1,838	1,888	482	3,183	13.3	3,388	1,478	1,353
Arkansas	383	18.9	348	217	184	47	102	4.5	258	188	15
Louisiana	581	15.4	717	344	100	88	255	8.1	581	283	-74
Oklahoma	488	18.2	445	272	230	83	247	8.2	382	212	87
Texas	3,031	27.1	2,281	1,085	1,481	284	2,558	18.0	2,148	833	1,345
Mountain	3,883	37.2	1,837	718	1,738	238	1,784	18.8	1,887	618	727
Montana	82	13.3	128	67	18	17	23	2.9	100	48	29
Idaho	231	32.4	188	85	110	20	54	5.8	133	52	-27
Wyoming	137	41.3	73	31	85	10	21	4.4	72		28
Colorado	880	30.8	415	181	385	61	408	14.1	381	145	180
New Mexico	288	28.1	224	81	118	27	187	15.1	188	88	88
Arizona	943	53.1	405	173	688	55	688	24.8	401	170	437
Utah	402	37.9	328	75	118	30	219	15.0		83	-2
Nevada	312	63.8	88	48	243	18	207	25.8	107	50	148
Pacific	5,281	18.8	4,483	2,282	2,388	884	4,733	14.8	4,247	1,882	3,348
Washington	719	21.1	548	303	388	88	408	9.8	503	241	145
Oregon	542	25.9	381	205	341	85	81	3.4	284	184	-39
California	3,887	18.5	3,354	1,725	1,573	485	3,885	18.8	3,232		2,167
Alaska	89	32.8	78	15	28	9	123	30.7	86	14	53
Hawaii	185	25.3	183	43	55	20	118	12.2	134	38	23

¹ 1970 to 1980 based on 1970 population; 1980 to 1987 based on 1980 population. ² Comprises net immigration from abroad, net interregional, interdivisional, or interstate migration, and movement of persons in the Armed Forces. ³ For meaning of "error of closure", see text, section 1.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, Nos. 957 and 1024.

NO. 27. RESIDENT POPULATION, BY AGE AND STATE: 1967

[In thousands, except percent. As of July 1. Includes Armed Forces stationed in area. See text, section 1 for basis of estimate. For explanation of methodology, contact source. For composition of regions, see fig. 1, inside front cover. See *U.S. Statistics, Colonial Times to 1870*, series A 204-209 for decennial census data.]

REGION, DIVISION, AND STATE	Total	Under 5 years	5-17 years	18-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75 years and over	18 years and over	PERCENT Under 18 years
U.S.	243,400	18,352	45,280	27,107	43,315	34,305	23,275	22,019	17,867	12,188	167,483	26.1
Region:												
Northeast	50,278	3,410	8,864	5,592	8,531	7,124	5,053	5,117	4,003	2,783	39,759	24.0
Midwest	59,536	4,361	11,319	6,813	10,519	8,138	5,884	5,410	4,342	3,174	45,764	26.3
South	83,884	6,356	16,019	9,491	14,773	11,853	7,998	7,430	6,073	4,090	64,185	26.7
West	49,700	4,124	9,299	5,411	8,491	7,392	4,562	4,061	3,248	2,121	37,756	27.0
N. Eng.	12,844	886	2,186	1,475	2,387	1,890	1,238	1,236	887	723	10,209	23.8
ME	1,187	83	220	135	201	168	111	108	90	68	922	25.5
NH	1,057	76	190	122	195	162	100	91	71	51	825	25.1
VT	548	40	101	65	102	82	48	44	37	28	425	25.8
MA	5,855	389	947	684	1,078	836	554	565	480	340	4,895	22.8
RI	986	65	164	113	175	135	90	89	84	61	787	23.2
CT	3,211	214	543	355	536	476	331	327	254	175	2,555	23.8
Mid. Atl.	37,433	2,543	6,499	4,117	8,245	6,363	3,817	3,881	3,007	2,061	29,551	24.2
NY	17,825	1,248	3,113	1,983	2,988	2,534	1,843	1,808	1,343	986	14,016	24.5
NJ	7,672	513	1,316	843	1,256	1,125	812	810	601	393	6,063	23.9
PA	11,936	783	2,068	1,291	2,001	1,604	1,161	1,263	1,062	702	9,452	23.9
E. No. Cent.	41,904	3,047	8,025	4,680	7,399	5,753	4,023	3,848	3,024	2,399	32,198	26.4
OH	10,784	773	2,083	1,182	1,862	1,468	1,058	1,033	807	540	8,300	26.3
IN	5,531	390	1,080	628	878	756	532	499	392	278	4,244	26.8
IL	11,582	861	2,174	1,278	2,070	1,605	1,128	1,063	826	579	8,908	26.2
MI	9,200	695	1,795	1,080	1,842	1,293	888	828	641	417	7,055	26.7
WI	4,807	356	913	542	850	650	441	422	358	278	3,890	26.4
W. No. Cent.	17,834	1,314	3,294	1,824	3,121	2,374	1,641	1,584	1,318	1,085	13,585	26.1
MIN	4,246	323	788	470	780	601	394	355	294	240	3,268	26.2
IA	2,834	196	536	307	494	370	259	252	229	192	2,190	25.8
MO	5,103	388	940	552	876	686	500	477	392	310	3,952	25.8
ND	872	55	132	75	125	86	56	54	49	41	505	27.8
SD	709	58	138	78	121	89	62	63	54	46	535	27.6
NE	1,584	122	302	174	281	211	144	141	117	103	1,219	26.6
KS	2,476	192	456	267	444	331	226	222	183	153	1,898	26.3
So. Atl.	41,684	2,947	7,434	4,706	7,228	6,888	4,169	3,958	3,278	2,129	32,583	24.8
DE	844	47	115	78	118	87	84	83	48	28	502	25.1
MD	4,535	333	792	532	812	694	489	417	300	186	3,552	24.8
DC	622	46	90	67	131	83	80	58	46	31	501	21.8
VA	5,804	421	1,038	714	1,089	903	599	517	384	239	4,827	24.7
WV	1,897	117	373	208	316	282	179	177	158	106	1,470	25.8
NC	6,413	438	1,189	754	1,145	906	638	588	485	289	4,996	25.4
SC	3,425	256	685	418	619	475	320	287	234	133	2,599	27.5
GA	6,222	477	1,259	737	1,107	908	606	508	380	243	4,868	27.8
FL	12,023	812	1,892	1,202	1,891	1,558	1,175	1,353	1,288	871	9,649	22.5
E. So. Cent.	15,290	1,092	3,083	1,765	2,829	2,070	1,467	1,331	1,106	776	11,848	27.2
KY	3,727	258	738	433	661	512	355	323	267	190	2,855	26.7
TN	4,655	328	923	543	848	680	487	438	355	246	3,763	25.8
AL	4,083	295	822	468	701	546	390	358	300	204	3,104	27.4
MS	2,825	211	580	313	430	323	235	214	184	134	1,927	30.2
W. So. Cent.	26,910	2,318	5,522	3,031	4,918	3,696	2,422	2,132	1,699	1,185	18,943	29.1
AR	2,368	173	475	264	374	312	228	215	201	147	1,819	27.1
LA	4,481	385	930	526	817	586	388	347	292	189	3,290	29.5
OK	3,272	258	635	359	575	448	305	275	235	182	2,481	27.3
TX	16,789	1,502	3,482	1,882	3,151	2,349	1,501	1,295	960	667	12,353	29.7
Wt.	13,187	1,142	2,668	1,483	2,473	1,882	1,184	1,016	853	536	8,775	26.9
MT	809	64	160	85	143	118	74	66	60	41	610	27.8
ID	998	84	222	106	170	146	86	70	68	46	726	30.8
WY	490	43	105	53	106	74	36	27	26	18	357	30.2
CO	3,298	268	605	366	678	531	300	245	182	123	2,521	26.5
NM	1,500	134	312	171	282	211	137	122	92	58	1,103	29.8
AZ	3,386	287	632	373	602	458	300	303	268	182	2,566	27.1
UT	1,680	184	445	194	308	197	118	97	83	55	1,107	37.4
NV	1,007	77	178	106	206	148	102	86	73	33	782	26.1
Pac.	36,533	2,963	6,831	3,888	7,018	5,518	3,488	3,046	2,386	1,585	27,980	26.3
WA	4,538	342	827	484	873	718	410	349	321	215	3,507	25.8
OR	2,724	190	488	275	513	428	240	211	220	152	2,119	25.2
CA	27,663	2,302	5,000	3,006	5,391	4,113	2,613	2,355	1,771	1,172	21,119	25.2
AK	525	60	112	63	103	90	48	31	13	6	3	3
HI	1,083	89	197	129	197	164	97	101	69	40	3	3

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 1024.

NO. 28. PROJECTIONS OF THE POPULATION 18 YEARS OLD AND OVER, BY RACE AND HISPANIC ORIGIN—STATES: 1955

(As of November. For explanation of methodology, see text, section 1. For composition of regions, see fig. 1, inside front cover)

REGION, DIVISION, AND STATE	NUMBER (1,000)					PERCENT		
	Total, 18 years old and over	Race			Hispanic ²	Black	Other races ¹	Hispanic ²
		White	Black	Other races ¹				
U.S.	182,826	186,578	20,441	3,888	13,821	11.2	8.1	7.1
North								
New England	38,402	33,735	3,883	774	2,173	10.1	2.0	5.7
Middle Atlantic	43,952	39,346	3,833	874	1,005	8.9	1.5	2.3
South Atlantic	63,032	51,355	10,874	1,003	3,817	16.8	1.8	6.2
West	37,242	32,143	1,842	3,198	5,925	5.2	8.5	15.9
NE	8,938	8,384	388	198	288	4.9	1.4	2.4
ME	883	883	3	8	4	.3	.8	.4
NH	823	810	8	8	5	.8	1.0	.8
VT	412	408	1	3	3	.3	.7	.7
CT	4,535	4,289	190	77	112	4.2	1.7	2.5
RI	784	727	24	13	18	3.2	1.7	2.2
MA	2,492	2,287	178	30	88	7.1	1.2	3.9
EA	28,482	24,351	3,484	657	1,935	12.3	2.2	6.8
NY	13,480	11,124	1,925	400	1,388	14.5	3.0	10.3
NJ	5,943	5,039	758	148	436	12.7	2.5	7.3
PA	9,059	8,188	783	89	111	8.0	1.0	1.2
EC	30,914	27,114	3,363	437	882	16.8	1.4	2.8
OH	7,970	7,105	798	88	75	10.0	.8	.9
IN	4,088	3,728	305	33	58	7.5	.8	1.4
MI	8,550	7,136	1,213	201	568	14.2	2.3	6.6
WI	6,791	5,793	888	102	105	13.2	1.5	1.8
IL	3,538	3,351	138	48	45	3.9	1.3	1.3
WC	13,037	12,232	579	228	183	4.4	1.7	1.2
DE	3,181	3,053	41	87	25	1.3	2.1	.8
MD	2,088	2,019	33	17	18	1.8	.8	.8
VA	3,821	3,413	370	38	35	8.7	1.0	.9
NC	483	482	3	18	2	.5	3.8	.5
SC	508	472	2	35	2	.4	6.9	.5
TN	1,187	1,117	35	15	20	3.0	1.3	1.7
GA	1,829	1,687	98	38	51	5.2	2.0	2.8
CS	22,137	25,823	6,836	478	1,184	18.8	1.5	2.8
AZ	480	402	80	7	8	18.4	1.5	1.5
NM	3,481	2,554	833	84	58	23.9	2.7	1.7
CO	488	185	317	7	15	64.8	1.5	3.1
UT	4,544	3,540	808	88	74	17.8	2.1	1.6
WY	1,388	1,380	41	7	8	2.9	.5	.4
MT	4,913	3,832	888	88	31	20.2	1.8	.6
ND	2,534	1,821	688	20	15	27.3	.8	.8
SD	4,885	3,481	1,138	48	40	24.4	1.0	.9
NE	9,614	6,389	1,133	113	907	11.8	1.2	8.4
SC	11,384	9,188	2,818	74	46	17.8	.7	.4
TX	2,746	2,543	188	15	10	6.9	.8	.4
OK	3,881	3,088	538	24	15	14.7	.7	.4
MO	3,010	2,281	687	22	14	23.2	.7	.5
KS	1,887	1,288	587	13	8	31.4	.7	.4
WC	18,810	16,832	2,838	488	2,717	13.4	2.3	12.8
AR	1,781	1,502	240	19	10	13.6	1.1	.8
LA	3,175	2,256	873	43	72	27.5	1.9	2.3
OR	2,404	2,087	145	172	81	6.0	7.1	2.1
TX	12,270	10,884	1,388	217	2,584	11.2	1.8	21.1
MS	8,881	8,888	231	488	1,183	2.4	4.8	12.3
AL	588	553	1	31	7	.2	5.3	1.2
GA	701	683	3	14	28	.5	2.1	4.0
FL	351	340	2	8	17	.7	2.4	4.8
SC	2,488	2,340	90	58	284	3.8	2.4	10.8
NC	1,101	988	18	87	388	1.8	8.8	38.0
VA	2,805	2,378	68	185	378	2.4	8.3	14.5
TN	1,078	1,032	8	38	45	.7	3.5	4.2
KY	780	688	48	38	57	5.8	4.8	7.3
PA	37,582	23,123	1,711	2,788	4,732	6.3	9.8	17.2
DE	3,417	3,150	78	188	104	2.3	5.5	3.0
MD	2,051	1,880	28	72	54	1.4	3.5	2.8
VA	20,875	17,440	1,578	1,888	4,514	7.5	8.8	21.8
NC	385	305	13	57	9	3.3	17.4	2.2
SC	824	288	15	522	52	1.8	68.3	8.3

¹ Virtually all persons of other races are Asian and Pacific Islanders, American Indians, Eskimos, and Aleuts. ² Persons of Hispanic origin may be of any race.

Source: U.S. Bureau of the Census, Current Population Reports, series P-25, No. 1019.

NO. 29. STATE POPULATION PROJECTIONS: 1986 TO 2010

[As of July 1. For explanation of methodology, see text, section 1. For composition of regions, see fig. 1, inside front cover. 1 sign (-) indicates decrease]

REGION, DIVISION, AND STATE	TOTAL (1,000)						RANK				PERCENT CHG	
	1986	1989	1990	1995	2000	2010	1986	1989	2000	2010	1986- 1990	1990- 2000
U.S.	246,629	247,732	248,891	259,819	267,747	282,065	(x)	(x)	(x)	(x)	10.3	7.1
Region:												
Northeast	50,276	50,425	50,577	51,293	51,810	52,496	(x)	(x)	(x)	(x)	2.9	2.4
Midwest	59,574	59,585	59,777	59,867	59,596	59,018	(x)	(x)	(x)	(x)	1.5	-3
South	85,133	86,209	87,276	92,356	96,919	104,919	(x)	(x)	(x)	(x)	16.8	11.0
West	50,544	51,413	52,261	56,093	58,422	65,622	(x)	(x)	(x)	(x)	21.1	13.7
N.E.	12,908	12,982	13,078	13,466	13,775	14,243	(x)	(x)	(x)	(x)	5.9	6.3
ME	1,193	1,203	1,212	1,247	1,271	1,306	36	39	41	41	7.8	4.8
NH	1,088	1,118	1,142	1,251	1,333	1,455	39	38	39	40	24.1	16.7
VT	562	557	562	579	591	606	49	49	49	49	9.9	5.1
MA	5,849	5,863	5,880	5,965	6,067	6,255	13	13	13	13	2.5	3.5
RI	969	998	1,002	1,029	1,049	1,065	43	43	42	42	5.6	4.6
CT	3,235	3,257	3,279	3,376	3,445	3,532	28	27	27	27	5.5	5.1
N.A.	37,373	37,433	37,499	37,827	38,035	38,253	(x)	(x)	(x)	(x)	1.9	1.4
NY	17,755	17,781	17,773	17,886	17,986	18,139	2	3	3	3	1.2	1.2
NJ	7,756	7,827	7,899	8,252	8,546	8,980	9	9	9	10	7.3	6.2
PA	11,860	11,844	11,827	11,889	11,503	11,134	6	5	6	6	-3	-2.7
E.N.C.	41,923	41,997	42,065	42,041	41,746	41,111	(x)	(x)	(x)	(x)	.9	-.7
OH	10,779	10,787	10,791	10,742	10,629	10,397	7	7	7	7	-1	-1.5
IN	5,531	5,542	5,550	5,545	5,502	5,409	14	14	14	17	1.1	-.9
IL	11,584	11,599	11,612	11,625	11,590	11,496	6	6	5	5	1.6	-.3
MI	9,231	9,268	9,293	9,318	9,250	9,097	8	8	8	8	3	-.5
WI	4,797	4,803	4,806	4,811	4,784	4,713	17	19	19	20	2.2	-.5
W.N.C.	17,852	17,888	17,722	17,825	17,860	17,907	(x)	(x)	(x)	(x)	3.1	.7
MN	4,271	4,298	4,324	4,426	4,490	4,578	21	21	22	22	6.1	3.8
IA	2,803	2,780	2,758	2,852	2,549	2,382	30	31	31	33	5.3	-7.6
MO	5,132	5,163	5,192	5,304	5,383	5,521	15	15	15	15	5.6	3.7
ND	669	664	660	643	629	611	47	47	48	48	1.1	-4.7
SD	707	706	708	711	714	722	46	45	46	47	2.5	.8
NE	1,593	1,580	1,566	1,574	1,566	1,529	37	37	37	38	1.2	2.0
KS	2,477	2,485	2,492	2,515	2,529	2,564	32	32	33	32	5.4	1.5
S.A.	42,337	43,044	43,742	47,059	50,002	55,110	(x)	(x)	(x)	(x)	16.4	14.3
DE	649	658	666	702	734	790	46	46	45	45	12.0	10.2
MD	4,599	4,665	4,729	5,026	5,274	5,686	16	17	16	14	12.1	11.5
DC	617	615	614	620	634	672	(x)	(x)	(x)	(x)	-3.8	3.2
VA	5,977	6,068	6,157	6,551	6,877	7,410	12	12	12	12	15.2	11.7
WV	1,896	1,871	1,856	1,786	1,722	1,617	34	36	36	36	4.8	-7.3
NC	6,512	6,602	6,690	7,106	7,482	8,154	10	11	11	11	13.7	11.8
SC	3,464	3,507	3,549	3,740	3,906	4,205	25	25	24	24	13.7	10.1
GA	6,364	6,524	6,663	7,339	7,957	9,045	11	10	10	9	22.0	19.4
FL	12,249	12,535	12,816	14,189	15,415	17,530	4	4	4	4	31.5	20.3
E.S.C.	16,406	16,506	16,587	16,879	16,265	16,847	(x)	(x)	(x)	(x)	6.3	4.4
KY	3,738	3,742	3,745	3,745	3,733	3,710	24	24	26	26	2.3	-.3
TN	4,881	4,933	4,972	5,136	5,266	5,500	16	16	17	16	8.3	5.9
AL	4,119	4,150	4,181	4,307	4,410	4,609	22	22	23	21	7.4	5.5
MS	2,661	2,680	2,699	2,792	2,877	3,026	31	30	30	29	7.1	6.6
W.S.C.	27,396	27,860	27,937	29,329	30,632	32,961	(x)	(x)	(x)	(x)	17.8	6.6
AR	2,400	2,414	2,427	2,482	2,529	2,624	33	33	32	31	5.1	4.2
LA	4,507	4,510	4,513	4,517	4,516	4,545	20	20	21	23	7.3	1
OK	3,288	3,285	3,285	3,316	3,376	3,511	27	26	26	26	8.6	2.6
TX	17,192	17,451	17,712	19,012	20,211	22,281	3	2	2	2	24.5	14.1
Mt.	13,517	13,788	13,995	15,082	16,022	17,679	(x)	(x)	(x)	(x)	23.1	14.6
MT	811	808	805	790	794	794	44	44	44	44	2.4	-1.4
ID	1,009	1,013	1,017	1,034	1,047	1,079	42	42	43	43	7.7	3.0
WY	505	503	502	495	489	487	50	50	50	50	6.9	2.8
CO	3,350	3,393	3,434	3,637	3,813	4,098	26	26	25	25	16.8	11.0
NM	1,557	1,585	1,632	1,809	1,968	2,248	35	35	35	34	25.3	20.5
AZ	3,542	3,648	3,752	4,216	4,616	5,319	23	23	20	18	38.0	23.1
UT	1,722	1,750	1,776	1,883	1,991	2,171	35	34	34	35	21.6	12.1
NV	1,021	1,048	1,076	1,196	1,303	1,484	41	41	40	39	34.4	21.1
Pac.	37,027	37,854	38,285	41,011	43,400	47,943	(x)	(x)	(x)	(x)	23.3	13.4
WA	4,564	4,612	4,657	4,841	4,991	5,282	19	18	18	19	12.7	7.2
OR	2,733	2,750	2,766	2,826	2,877	2,991	29	29	29	30	5.0	4.0
CA	28,074	28,607	29,126	31,463	33,500	37,347	1	1	1	1	23.1	15.0
AK	554	566	578	636	687	785	48	48	47	46	43.4	19.2
HI	1101	1,121	1,141	1,243	1,345	1,559	40	40	38	37	19.2	17.9

X Not applicable

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 1017

NO. 38. POPULATION PROJECTIONS, BY AGE—STATES: 1990 AND 2000

(In thousands. As of July 1. For explanation of methodology, see text, section 1. For composition of regions, see fig. 1, inside front cover)

REGION, DIVISION, AND STATE	1990						2000					
	Under 5 years	5-17 years	18-24 years	25-44 years	45-64 years	65 years and over	Under 5 years	5-17 years	18-24 years	25-44 years	45-64 years	65 years and over
U.S.	18,488	46,829	25,897	51,555	46,842	21,899	16,896	40,515	24,967	50,793	51,373	34,862
Regions:												
Northeast	3,367	8,513	5,123	16,300	10,166	7,068	3,003	9,004	4,421	15,854	12,179	7,348
Midwest	4,484	11,114	6,112	19,203	11,120	7,735	3,820	11,167	5,535	17,626	13,535	7,913
South	5,401	18,222	9,248	26,131	16,328	10,948	6,089	17,579	9,226	26,950	22,265	12,800
West	4,120	9,781	5,415	17,921	9,228	5,790	3,985	11,084	5,806	18,363	13,393	6,811
P.E.	879	2,161	1,366	4,363	2,518	1,801	799	2,384	1,184	4,340	3,196	1,863
ME	87	218	124	393	226	164	76	234	109	366	296	172
NH	85	199	122	399	207	130	82	247	114	431	309	149
VT	43	101	60	193	98	67	36	112	54	186	131	70
MA	384	931	627	1,982	1,122	834	344	1,024	534	1,946	1,383	855
RI	65	163	106	325	190	151	69	177	97	325	239	152
CT	212	539	328	1,071	672	456	180	591	277	1,066	637	485
W.E.	2,511	6,962	3,783	11,937	7,866	5,387	2,214	6,620	3,237	11,514	8,964	5,486
NY	1,198	3,048	1,821	5,690	3,626	2,391	1,078	3,111	1,594	5,533	4,199	2,472
NJ	541	1,320	773	2,547	1,646	1,089	504	1,533	677	2,626	2,032	1,175
PA	772	1,993	1,159	3,700	2,376	1,827	632	1,977	966	3,356	2,753	1,619
E.M.C.	2,189	7,234	4,362	13,898	7,967	5,284	2,891	7,635	3,852	12,501	8,477	5,400
OH	790	1,993	1,107	3,435	2,066	1,401	671	1,980	962	3,152	2,444	1,440
IN	414	1,042	581	1,783	1,037	682	353	1,029	514	1,836	1,254	717
IL	889	2,142	1,190	3,786	2,180	1,445	766	2,179	1,081	3,496	2,506	1,440
MI	694	1,746	1,000	3,044	1,708	1,101	588	1,759	855	2,832	2,080	1,126
WI	363	899	484	1,541	876	646	300	908	440	1,385	1,064	657
W.M.C.	1,344	3,299	1,749	5,836	3,253	2,451	1,139	3,333	1,663	5,124	4,089	2,514
MN	336	795	430	1,439	774	550	289	849	412	1,339	1,021	578
IA	202	513	285	855	507	416	157	465	237	703	591	367
MO	362	946	510	1,629	906	727	336	995	511	1,552	1,245	784
ND	50	132	69	210	112	89	39	118	68	178	140	86
SD	58	142	66	214	126	101	50	143	72	184	163	102
NE	124	299	156	499	286	223	103	285	148	441	342	227
KS	193	481	251	788	453	346	166	487	252	718	567	359
S.E.	2,991	7,991	4,984	14,191	8,986	5,957	2,919	8,637	4,547	15,082	11,714	7,183
DE	49	116	71	219	128	82	47	132	67	228	162	97
MD	334	815	486	1,631	922	528	316	951	459	1,709	1,232	807
DC	31	80	69	226	118	80	26	83	66	229	144	83
VA	426	1,059	693	2,129	1,174	678	403	1,204	682	2,215	1,603	790
WV	124	345	185	581	366	267	101	300	154	491	422	255
NC	447	1,188	781	2,180	1,293	821	431	1,292	742	2,293	1,746	989
SC	363	983	497	1,157	642	396	248	720	403	1,183	888	465
GA	507	1,297	749	2,230	1,202	878	531	1,525	785	2,523	1,764	829
FL	610	1,997	1,162	3,748	2,872	2,429	613	2,431	1,210	4,141	3,752	3,088
S.W.C.	1,139	3,099	1,893	4,919	2,918	1,954	1,014	2,897	1,596	4,795	3,779	2,149
KY	270	708	403	1,194	698	470	234	672	368	1,086	877	494
TN	332	905	525	1,611	965	635	301	903	498	1,582	1,273	709
AL	307	812	441	1,312	780	528	276	835	421	1,290	1,003	584
MS	220	580	295	802	473	330	204	587	297	806	622	361
W.S.C.	2,281	6,825	2,999	9,111	4,998	3,026	2,167	6,946	3,086	9,189	6,776	3,478
AR	174	469	239	722	464	361	154	467	230	683	600	365
LA	377	947	486	1,449	776	480	320	908	469	1,312	989	518
OK	241	632	330	1,039	616	426	212	626	336	980	792	450
TX	1,489	3,577	1,936	5,902	3,060	1,758	1,471	3,944	2,080	6,216	4,394	2,125
MT	1,183	2,919	1,443	4,967	2,382	1,903	1,189	2,182	1,002	4,744	3,560	1,816
MT	80	180	75	282	146	101	50	146	75	228	191	102
ID	86	223	99	322	170	116	77	214	100	282	240	121
WY	44	107	50	182	76	42	37	100	52	150	110	41
CO	256	630	361	1,266	595	326	236	686	377	1,237	987	589
NM	148	341	189	533	280	185	151	418	186	586	419	203
AZ	306	709	365	1,167	670	406	313	878	434	1,313	1,024	655
UT	210	483	198	528	236	144	211	504	251	515	345	181
NV	73	184	108	368	209	113	72	214	121	422	334	140
Pac	2,943	6,993	3,873	13,254	6,846	4,387	2,836	7,993	4,304	13,619	8,843	4,886
WA	332	841	470	1,631	831	552	291	872	475	1,521	1,239	672
OR	196	496	254	856	487	371	170	507	257	852	719	372
CA	2,289	5,292	3,038	10,061	5,234	3,213	2,242	6,180	3,242	10,569	7,485	3,822
AK	54	122	70	222	87	22	59	142	76	249	132	29
HI	72	212	137	384	207	126	74	222	154	429	289	177

Source: U.S. Bureau of the Census, Current Population Reports, series P-25, No. 1017

NO. 31. WHITE AND BLACK POPULATION PROJECTIONS, BY STATE: 1988 TO 2000

[As of July 1. For explanation of methodology, see text, section 1. For composition of regions, see fig. 1, inside front cover.]

REGION, DIVISION, AND STATE	WHITE						BLACK				
	Number (1,000)				Percent of total population		Number (1,000)				Percent to population
	1988	1989	1990	2000	1988	2000	1988	1989	1990	2000	1990
U.S.	207,326	208,808	210,247	221,144	84.1	82.6	30,165	30,887	31,026	35,006	12.4
Region:											
Northeast	43,834	43,672	43,714	43,880	86.4	84.7	5,565	5,635	5,705	6,363	11.3
Midwest	52,896	52,709	52,706	51,887	88.2	88.7	5,862	5,929	5,995	5,542	10.0
South	67,781	68,556	69,343	76,252	70.5	78.7	15,925	16,153	16,379	18,546	18.6
West	43,234	43,871	44,486	49,326	85.1	83.0	2,812	2,880	2,947	3,555	5.6
N.E.	12,131	12,187	12,263	12,789	93.8	92.7	684	694	706	703	4.6
ME	1,179	1,188	1,197	1,252	96.7	96.5	4	4	4	4	.3
NH	1,070	1,096	1,122	1,300	98.2	97.5	7	7	7	10	.6
VT	545	550	555	580	98.7	98.2	2	2	2	3	.4
MA	5,470	5,475	5,482	5,595	93.2	91.9	275	280	284	327	4.8
RI	933	939	943	974	94.1	92.9	37	37	38	45	3.8
CT	2,933	2,948	2,964	3,069	90.4	88.1	259	264	269	313	8.2
M.A.	31,804	31,476	31,451	31,110	89.9	91.8	4,962	5,040	5,100	5,861	13.6
NY	14,418	14,375	14,338	14,062	80.7	78.2	2,791	2,824	2,858	3,180	16.1
NJ	6,455	6,492	6,531	6,856	82.7	80.2	1,089	1,111	1,134	1,349	14.4
PA	10,831	10,608	10,582	10,193	89.5	89.6	1,101	1,105	1,108	1,131	8.4
E.M.C.	36,272	36,287	36,247	35,281	86.2	84.5	5,068	5,068	5,113	5,584	12.2
OH	9,516	9,510	9,501	9,226	88.0	86.8	1,166	1,177	1,188	1,274	11.0
IN	5,024	5,027	5,028	4,922	90.6	89.5	458	463	469	513	8.4
IL	9,469	9,456	9,443	9,173	81.3	79.2	1,832	1,851	1,869	2,029	16.1
MI	7,780	7,770	7,774	7,543	83.7	81.5	1,319	1,337	1,355	1,497	14.6
WI	4,503	4,502	4,501	4,417	93.6	92.3	222	227	231	273	4.8
W.N.C.	18,424	18,442	18,457	18,457	92.9	91.9	865	874	882	968	5.0
MN	4,096	4,117	4,138	4,250	95.7	94.7	84	85	87	77	1.6
IA	2,727	2,704	2,681	2,462	97.2	96.6	50	51	52	58	1.9
MO	4,527	4,551	4,573	4,705	88.1	87.4	549	554	559	600	10.8
ND	636	631	627	592	95.0	94.0	3	3	3	4	.5
SD	644	643	642	635	90.7	89.0	2	2	2	2	.3
NE	1,516	1,513	1,510	1,470	95.1	94.5	53	54	54	58	3.4
KS	2,278	2,283	2,288	2,282	91.7	90.6	142	144	145	158	5.8
S.A.	32,814	32,333	32,842	32,277	77.4	76.6	8,550	8,007	8,164	10,673	21.8
DE	519	524	528	561	79.4	76.5	120	123	126	155	16.9
MD	3,291	3,322	3,362	3,597	70.9	68.2	1,176	1,205	1,233	1,489	26.1
DC	183	184	184	183	30.0	30.5	426	423	421	430	68.6
VA	4,707	4,775	4,840	5,346	76.6	77.7	1,136	1,154	1,171	1,332	19.0
WV	1,820	1,806	1,792	1,864	96.5	96.6	57	55	54	45	2.9
NC	4,937	5,006	5,071	5,653	75.8	75.5	1,445	1,463	1,480	1,641	22.1
SC	2,382	2,421	2,451	2,694	69.1	69.0	1,043	1,055	1,067	1,170	30.1
GA	4,604	4,704	4,803	5,896	72.1	71.6	1,716	1,752	1,789	2,151	26.9
FL	10,360	10,591	10,820	12,870	84.4	83.5	1,732	1,778	1,823	2,279	14.2
E.S.C.	12,236	12,301	12,364	12,783	79.3	78.5	3,070	3,096	3,122	3,364	20.6
KY	3,441	3,443	3,444	3,414	92.0	91.5	278	278	280	294	7.5
TN	4,086	4,087	4,127	4,331	83.0	82.2	792	801	810	811	16.3
AL	3,032	3,054	3,076	3,225	73.6	73.1	1,055	1,063	1,071	1,136	25.6
MS	1,695	1,706	1,717	1,812	63.6	63.0	846	854	862	1,037	35.8
W.S.C.	22,713	22,934	23,137	25,182	82.8	82.2	4,006	4,048	4,093	4,520	14.6
AR	1,989	2,000	2,011	2,093	82.9	82.8	364	365	367	396	15.9
LA	3,080	3,073	3,066	2,978	67.9	65.9	1,362	1,371	1,380	1,452	30.6
OK	2,803	2,795	2,789	2,810	84.9	83.2	222	222	223	231	6.6
TX	14,841	15,056	15,272	17,311	86.2	85.7	2,037	2,071	2,104	2,439	11.9
Mt.	12,482	12,672	12,870	14,572	92.0	90.9	388	388	388	432	2.6
MT	758	754	752	734	93.4	92.5	2	2	2	2	.2
ID	982	986	989	1,013	97.3	96.7	4	4	4	6	.4
WY	487	485	483	467	96.3	95.4	4	4	4	4	.6
CO	3,138	3,174	3,211	3,535	93.5	92.7	126	130	133	156	3.9
NM	1,371	1,404	1,436	1,711	88.0	87.0	27	28	29	34	1.7
AZ	3,184	3,278	3,369	4,108	95.8	95.0	94	96	99	123	2.7
UT	1,643	1,667	1,692	1,879	95.2	94.4	12	12	12	13	.7
NV	899	922	944	1,125	87.8	86.3	69	72	74	94	6.9
Pac.	30,772	31,199	31,609	34,754	82.8	80.1	2,473	2,532	2,591	3,123	8.8
WA	4,176	4,216	4,251	4,486	91.3	89.9	113	113	114	116	2.4
OR	2,584	2,596	2,607	2,674	84.3	82.9	43	44	44	50	1.6
CA	23,200	23,570	23,920	26,641	82.1	79.5	2,278	2,335	2,392	2,909	8.2
AK	431	439	447	519	77.5	75.6	19	19	20	23	3.4
HI	372	379	385	432	33.7	32.1	20	21	21	24	1.6

Source: U.S. Bureau of the Census, Current Population Reports, series P-25, No. 1017.

No. 32. METROPOLITAN AND NONMETROPOLITAN AREA POPULATION: 1950 TO 1987

[Metropolitan areas as defined by Office of Management and Budget as of year shown, except as noted. See headnote, table 33]

ITEM	1960	1969	1970	1980 ¹ (SMSA's)	MSA's AND CMSA's ²		
					1969	1980	1987
Metropolitan areas: Number of areas.....	169	212	243	318	282	282	282
Population (1,000).....	64,854	112,885	139,480	169,431	172,455	185,261	187,072
Percent change over previous year shown.....	³ 22.0	33.0	23.6	21.5	(x)	7.4	1.0
Percent of total U.S. population.....	56.1	63.0	68.6	74.8	76.1	76.7	76.9
Land area, percent of U.S. land area.....	5.9	8.7	10.9	16.0	16.3	16.3	16.3
Nonmetropolitan areas, population (1,000).....	86,472	68,438	63,822	57,115	54,087	56,131	56,324

X Not applicable. ¹ SMSA=standard metropolitan statistical area. Areas are as defined June 30, 1961. ² Areas are as defined June 30, 1988. ³ Percent change from 1940.

Source: U.S. Bureau of the Census, *U.S. Census of Population: 1950, 1960, and 1970; 1980 Census of Population*, vol. I, chapter A (PC80-1-A) and *Supplementary Report, Metropolitan Statistical Areas* (PC80-S1-18); and press release (C888-157).

No. 33. NUMBER AND POPULATION OF METROPOLITAN AREAS, BY POPULATION SIZE-CLASS IN 1980: 1970 TO 1987

[As of April 1; except 1987, as of July 1. Data exclude Puerto Rico. CMSA=consolidated metropolitan statistical area. MSA-metropolitan statistical area, PMSA-primary metropolitan statistical area. Areas are as defined by U.S. Office of Management and Budget, June 30, 1988. For definitions, see Appendix II. See also *Historical Statistics, Colonial Times to 1970*, series A 264-275]

LEVEL AND POPULATION SIZE-CLASS OF METROPOLITAN AREA IN 1989	CMSA's AND MSA's					MSA's AND PMSA's				
	Num- ber, 1989	Popu- lation, 1970 (mil.)	Popu- lation, 1980 (mil.)	Population, 1987		Num- ber, 1989	Popu- lation, 1970 (mil.)	Popu- lation, 1980 (mil.)	Population, 1987	
				Total (mil.)	Per- cent in each class				Total (mil.)	Per- cent in each class
Total, all metropolitan areas.....	282	156.9	172.5	187.1	100.0	333	155.9	172.5	187.1	100.0
Level A (1,000,000 or more).....	35	100.1	107.6	116.6	62.5	41	86.4	92.6	100.4	53.7
2,500,000 or more.....	12	67.6	71.5	77.0	41.1	9	42.0	42.4	44.8	24.0
1,000,000-2,499,999.....	23	32.4	36.3	39.9	21.3	32	44.4	50.2	55.6	29.7
Level B (250,000-999,999).....	90	37.5	43.1	48.9	25.1	115	48.3	55.0	59.9	32.0
500,000-999,999.....	33	20.4	23.3	25.5	13.6	43	26.9	30.3	33.0	17.7
250,000-499,999.....	57	17.1	19.8	21.5	11.5	72	21.5	24.7	26.8	14.3
Level C (100,000-249,999).....	124	15.9	18.7	20.2	10.8	142	18.7	21.9	23.6	12.6
Level D (less than 100,000).....	33	2.4	2.8	3.1	1.6	35	2.6	3.0	3.2	1.7

Source: U.S. Bureau of the Census, *1980 Census of Population, Supplementary Report, Metropolitan Statistical Areas* (PC80-S1-18); and press release (C888-157).

No. 34. RESIDENT POPULATION IN COUNTIES WITHIN 50 MILES OF COASTAL SHORELINES: 1960 TO 1987

[Enumerated population as of April 1, except 1987, estimated as of July 1. Excludes Alaska and Hawaii. Covers 611 counties and independent cities which are entirely or substantially within 50 miles of U.S. coastal shorelines. Great Lakes region includes St. Lawrence River]

YEAR	Conter- minous U.S., total	COUNTIES IN COASTAL REGIONS					Balance of conter- minous U.S.
		Total	Atlantic	Pacific	Great Lakes	Gulf of Mexico	
Land area, 1960 (1,000 sq. mi.).....	2,962	467	122	118	134	94	2,495
POPULATION							
1960 (mil.).....	178.5	92.7	41.7	16.8	26.4	7.8	85.7
1970 (mil.).....	202.2	106.5	48.2	21.5	29.3	9.5	93.8
1980 (mil.).....	225.2	118.4	50.7	25.4	29.8	12.6	106.7
1987 (mil.).....	241.8	127.9	54.3	29.3	29.8	14.6	113.8
1960 (percent).....	100.0	51.9	23.4	9.4	14.8	4.4	48.0
1970 (percent).....	100.0	53.7	23.8	10.6	14.5	4.7	46.4
1980 (percent).....	100.0	52.6	22.5	11.3	13.2	5.6	47.4
1987 (percent).....	100.0	52.9	22.5	12.1	12.3	6.0	47.1

Source: U.S. Bureau of the Census, unpublished data.

NO. 35. METROPOLITAN AND NONMETROPOLITAN AREA POPULATION—STATES: 1970 TO 1987

[1970 and 1980, as of April 1; 1987 as of July 1. Excludes Armed Forces abroad. Refers to 262 metropolitan statistical areas. 20 consolidated metropolitan statistical areas as defined by U.S. Office of Management and Budget, June 30, 1985. Appendix II. For explanation of average annual percent change see Guide to Tabular Presentation. For composition of region see fig. 1, inside front cover. Minus sign (-) indicates decrease.]

REGION, DIVISION, AND STATE	METROPOLITAN AREA POPULATION							NONMETROPOLITAN AREA POPULATION						
	Total (1,000)			Average annual percent change		Percent of State		Total (1,000)			Average annual percent change		Percent State	
	1970	1980	1987	1970- 1980	1980- 1987	1970	1987	1970	1980	1987	1970- 1980	1980- 1987	1970	1987
U.S.	155,937	172,455	187,072	1.0	1.1	76.7	75.9	47,355	54,087	68,324	1.3	.6	23.3	
Region:														
Northeast	43,742	43,292	44,255	1	3	89.2	88.0	5,318	5,844	6,021	.9	.1	10.6	
Midwest	40,487	41,551	42,329	.9	.2	71.5	71.1	18,103	17,266	17,211	.7	1	29.5	
South	42,387	51,808	58,785	2.0	1.8	87.5	70.1	20,426	23,761	25,114	1.6	.8	32.5	
West	29,320	35,976	41,721	2.0	2.0	84.2	63.9	5,518	7,195	7,978	2.7	1.5	15.5	
N. Eng.	9,822	10,020	10,347	.2	.4	82.9	80.6	2,028	2,328	2,498	1.4	1.0	17.1	
ME	385	405	429	1.0	.8	36.8	38.1	628	720	758	1.4	.7	63.2	
NH	404	511	595	2.3	2.1	54.8	55.3	333	410	462	2.1	1.7	45.2	
VT	89	115	127	1.5	1.3	22.3	23.1	346	396	421	1.4	.9	77.7	
MA	5,268	5,231	5,310	-.1	.2	92.6	90.7	423	506	548	1.8	1.0	7.4	
RI	868	878	913	.1	.5	91.4	92.6	82	69	73	-.1	.8	6.6	
CT	2,819	2,879	2,974	.2	.4	93.0	92.6	213	228	238	.7	.6	7.0	
Mid. Atl.	33,921	33,273	33,811	-.2	.3	91.2	80.6	3,283	3,516	3,534	.7	-	8.8	
NY	16,847	16,868	16,130	-.5	.2	91.3	80.6	1,594	1,689	1,806	.6	1	8.7	
NJ	7,171	7,385	7,672	.3	.6	100.0	100.0	-	-	-	-	-	-	
PA	10,102	10,038	10,109	-.1	.1	85.6	84.7	1,689	1,826	1,828	.7	-	14.4	
E. No. Cent.	31,621	32,204	32,410	.2	.1	78.5	77.3	8,843	9,479	9,496	.8	-	21.8	
OH	8,585	8,521	8,508	-.1	-	80.4	78.9	2,082	2,277	2,278	.8	-	19.6	
IN	3,551	3,719	3,763	.5	.2	68.4	68.0	1,644	1,771	1,768	.7	-	31.6	
IL	9,126	9,340	9,581	.5	.3	82.1	82.5	1,986	2,088	2,022	.5	-.4	17.9	
MI	7,381	7,480	7,380	.2	-.2	82.9	80.2	1,521	1,782	1,820	1.6	.3	17.1	
WI	3,019	3,145	3,197	.4	.2	88.3	86.5	1,399	1,581	1,610	1.1	.4	31.7	
W. No. Cent.	8,867	9,378	9,919	.6	.8	54.3	56.2	7,461	7,808	7,718	.5	-.2	45.7	
MIN	2,434	2,621	2,811	.7	1.0	83.9	86.2	1,373	1,455	1,435	.6	-.2	36.1	
IA	1,154	1,223	1,223	.6	-	40.6	43.1	1,671	1,881	1,812	1	.7	58.2	
MO	3,170	3,226	3,367	.2	.6	67.8	66.0	1,508	1,690	1,738	1.1	.4	32.2	
ND	196	234	255	1.8	1.2	31.7	38.0	422	418	417	-.1	-	68.3	
SD	155	180	203	1.5	1.7	23.2	28.7	512	511	506	-	-.1	78.8	
NE	850	708	753	.9	.8	43.8	47.2	836	882	842	.3	-.3	58.2	
KS	1,109	1,184	1,307	.7	1.4	49.3	62.9	1,140	1,180	1,189	.3	-.1	50.7	
So. Atl.	22,061	26,777	30,727	1.9	1.9	71.9	73.7	8,829	10,181	10,958	1.7	1.0	28.1	
DE	388	398	425	.3	.9	70.4	86.0	182	186	219	1.9	1.5	29.6	
MD	3,688	3,820	4,212	.7	1.0	93.5	92.9	255	297	322	1.5	1.1	6.5	
DC	757	838	822	1.7	-.4	100.0	100.0	-	-	-	-	-	-	
VA	3,279	3,745	4,236	1.3	1.7	70.5	71.7	1,373	1,801	1,868	1.5	.6	29.5	
WV	683	718	689	.5	.6	39.1	36.3	1,061	1,232	1,209	1.5	-.3	60.9	
NC	2,755	3,203	3,544	1.5	1.4	54.2	55.3	2,330	2,877	2,886	1.4	1.0	45.8	
SC	1,504	1,886	2,068	2.2	1.4	58.0	60.4	1,087	1,254	1,355	1.4	1.1	42.0	
GA	2,807	3,409	4,018	1.9	2.3	61.2	64.6	1,781	2,060	2,204	1.5	.9	35.8	
FL	6,213	8,884	10,914	3.6	2.8	91.5	90.6	578	863	1,110	4.0	3.5	8.5	
E. So. Cent.	7,018	8,923	8,501	1.3	.1	54.8	56.8	5,790	6,843	6,798	1.4	.3	45.2	
KY	1,550	1,676	1,708	.8	.3	48.1	45.8	1,871	1,984	2,019	1.7	.2	51.9	
TN	2,830	3,048	3,252	1.5	.9	87.0	87.0	1,296	1,543	1,603	1.7	.5	33.0	
AL	2,274	2,583	2,746	1.3	.8	66.0	67.2	1,171	1,311	1,336	1.2	.3	34.0	
MS	584	716	795	2.4	1.4	25.5	30.3	1,653	1,805	1,829	.9	.2	74.5	
W. So. Cent.	13,318	16,808	18,536	2.3	2.1	88.9	72.6	6,008	8,836	7,370	1.4	.8	31.1	
AR	730	885	944	1.9	.9	38.0	39.5	1,193	1,401	1,444	1.6	.4	62.0	
LA	2,439	2,893	3,079	1.7	.9	66.9	60.0	1,205	1,313	1,362	.9	.7	33.1	
OK	1,432	1,724	1,823	1.9	1.5	56.0	58.9	1,127	1,301	1,350	1.4	.5	44.0	
TX	8,716	11,304	13,591	2.8	2.5	77.8	81.0	2,483	2,821	3,194	1.6	1.2	22.2	
SW	5,165	7,384	8,961	3.4	2.4	82.2	66.8	2,136	4,187	4,506	2.7	1.3	37.8	
MT	189	189	196	1.1	.5	24.4	24.2	525	588	613	1.3	.3	75.6	
ND	112	173	186	4.3	1.7	15.7	19.6	601	771	803	2.5	.6	84.3	
WY	108	141	142	2.7	.2	32.4	29.0	225	329	348	3.8	.6	67.6	
CO	1,772	2,328	2,693	2.7	2.0	80.2	61.7	438	583	603	2.5	.9	19.8	
NM	466	610	728	2.9	2.4	44.6	48.4	562	694	774	2.1	1.5	55.2	
AZ	1,323	2,041	2,579	4.3	3.2	74.5	78.2	453	675	805	4.0	2.4	25.5	
UT	822	1,128	1,296	3.2	1.9	77.6	77.2	238	333	384	3.4	2.0	22.4	
NV	394	657	832	5.1	3.3	80.7	82.8	94	144	175	4.2	2.7	19.3	
Pac	24,185	28,712	33,080	1.7	1.8	81.0	90.5	2,383	3,088	3,473	2.6	1.6	9.0	
WA	2,752	3,322	3,685	1.9	1.4	80.8	81.2	661	810	854	2.0	.7	19.4	
OR	1,415	1,763	1,841	2.2	.6	67.7	67.6	576	670	683	2.5	.2	32.3	
CA	19,241	22,689	26,481	1.6	2.1	96.3	95.7	730	879	1,182	2.9	2.6	3.7	
AK	129	174	223	3.2	3.4	41.6	42.4	178	227	303	2.6	3.9	58.2	
HI	531	763	831	1.9	1.2	81.9	75.7	138	202	252	3.7	3.0	18.1	

- Represents or rounds to zero.

Source: U.S. Bureau of the Census, press release (CB 88-157), and unpublished data.

NO. 38. METROPOLITAN STATISTICAL AREAS—POPULATION, 1970 TO 1987

[1970 and 1980, as of April 1; 1985 and 1987 as of July 1. Covers 20 consolidated metropolitan statistical areas (CMSAs), their 71 component primary metropolitan statistical areas (PMSAs), and the remaining 111 MSA's with 250,000 and over population in 1987 as defined by the U.S. Office of Management and Budget as of June 30, 1988. Figures for 1970 include corrections. Rank based on unrounded figures for CMSAs and MSAs only. For definitions and components of all MSAs, see Appendix II. For explanation of average annual percent change, see Guide to Tabular Presentation. Minus sign (—) indicates decrease]

METROPOLITAN STATISTICAL AREA	1970 (1,000)	1980 (1,000)	1985 (1,000)	1987 (1,000)	RANK		AVERAGE ANNUAL PERCENT CHANGE	
					1980	1987	1970- 1980	1980- 1987
Albany-Schenectady-Troy, NY MSA	511	536	539	545	48	48	.3	.2
Albuquerque, NM MSA	318	420	484	488	80	75	2.8	2.0
Allentown-Bethlehem, PA-NJ MSA	594	636	651	666	54	65	.7	.6
Appleton-Oshkosh-Neenah, WI MSA	277	291	305	309	107	113	.5	.8
Atlanta, GA MSA	1,054	2,138	2,469	2,657	18	13	2.4	3.0
Atlantic City, NJ MSA	225	278	294	303	113	114	1.8	1.3
Augusta, GA-SC MSA	291	345	360	362	95	90	1.7	1.7
Austin, TX MSA	360	537	701	739	83	82	4.0	4.4
Bakersfield, CA MSA	330	403	480	505	84	72	2.0	3.1
Baltimore, MD MSA	2,069	2,300	2,252	2,306	15	17	.5	.5
Baton Rouge, LA MSA	378	484	543	538	89	86	2.7	1.2
Beaumont-Port Arthur, TX MSA	348	375	382	371	88	96	.8	-.1
Binghamton, NY MSA	268	283	282	280	123	126	-.2	-.2
Birmingham, AL MSA	794	884	905	917	42	45	1.1	.5
Boston-Lawrence-Salem, MA-NH CMSA	3,839	3,972	4,062	4,099	7	7	.1	.4
Boston, MA PMSA	2,857	2,806	2,832	2,842	(X)	(X)	-.3	.2
Brockton, MA PMSA	183	183	186	185	(X)	(X)	1.2	.2
Lawrence-Everett, MA-NH PMSA	301	336	382	375	(X)	(X)	1.2	1.4
Lowell, MA-NH PMSA	225	243	253	260	(X)	(X)	.8	.9
Nashua, NH PMSA	100	143	159	172	(X)	(X)	3.5	2.8
Salem-Gloucester, MA PMSA	283	268	259	268	(X)	(X)	-.2	(X)
Brownsville-Harlingen, TX MSA	140	210	252	264	136	124	4.1	3.2
Buffalo-Niagara Falls, NY CMSA	1,349	1,243	1,186	1,175	29	33	-.8	-.9
Buffalo, NY PMSA	1,118	1,015	988	968	(X)	(X)	-.9	-.9
Niagara Falls, NY PMSA	226	227	217	216	(X)	(X)	-.4	-.7
Canton, OH MSA	394	404	401	397	83	86	.3	-.3
Charleston, SC MSA	335	430	477	502	77	74	2.5	2.1
Charleston, WV MSA	257	270	287	291	118	125	.5	-.4
Charlotte-Gastonia-Rock Hill, NC-SC MSA	640	871	1,053	1,091	38	35	1.4	1.8
Chattanooga, TN-GA MSA	371	427	425	432	78	82	1.4	.2
Chicago-Gary-Lake County (IL), IL-IN-WI CMSA	7,779	7,937	8,081	8,147	3	3	.2	.4
Aurora-Evanston, IL PMSA	277	318	338	352	(X)	(X)	1.3	1.5
Chicago, IL PMSA	6,080	6,080	6,170	6,199	(X)	(X)	-.1	.3
Gary-Hammond, IN PMSA	633	643	620	604	(X)	(X)	.1	-.8
Joliet, IL PMSA	274	305	305	377	(X)	(X)	2.8	.8
Kenosha, WI PMSA	116	123	121	120	(X)	(X)	.4	-.4
Lake County, IL PMSA	383	440	469	484	(X)	(X)	1.4	1.6
Cincinnati-Hamilton, OH-KY-IN CMSA	1,513	1,680	1,881	1,715	20	23	.3	.4
Cincinnati, OH-KY-IN PMSA	1,387	1,401	1,413	1,435	(X)	(X)	.1	.4
Hamilton-Middletown, OH PMSA	226	259	288	276	(X)	(X)	1.3	.9
Cleveland-Akron-Lorain, OH CMSA	3,000	2,834	2,778	2,787	11	12	-.8	-.3
Akron, OH PMSA	679	680	645	647	(X)	(X)	-.3	-.3
Cleveland, OH PMSA	2,084	1,899	1,857	1,851	(X)	(X)	-.8	-.3
Lorain-Elyria, OH PMSA	257	275	270	289	(X)	(X)	.7	-.3
Colorado Springs, CO MSA	236	309	367	380	105	91	2.7	3.2
Columbia, SC MSA	323	410	436	451	82	78	2.4	1.8
Columbus, OH MSA	1,149	1,244	1,267	1,220	28	30	.5	.8
Corpus Christi, TX MSA	285	325	359	380	99	100	1.4	1.4
Dallas-Fort Worth, TX CMSA	2,352	2,691	3,517	3,725	10	6	2.2	2.3
Dallas, TX PMSA	1,556	1,957	2,329	2,459	(X)	(X)	2.3	3.1
Fort Worth-Arlington, TX PMSA	795	973	1,188	1,266	(X)	(X)	2.0	3.7
Dayton-Rock Island-Molina, IA-IL MSA	363	384	377	357	85	87	.6	-.7
Dayton-Springfield, OH MSA	975	942	931	939	39	43	-.3	(-.2)
Daytona Beach, FL MSA	169	259	311	332	124	108	4.2	3.4
Denver-Boulder, CO CMSA	1,238	1,816	1,828	1,861	21	22	2.7	1.9
Boulder-Longmont, CO PMSA	132	190	213	217	(X)	(X)	3.5	1.8
Denver, CO PMSA	1,106	1,429	1,615	1,645	(X)	(X)	2.8	1.9
Des Moines, IA MSA	340	398	380	385	86	89	.5	.6
Detroit-Ann Arbor, MI CMSA	4,788	4,753	4,582	4,529	8	8	-.1	-.4
Ann Arbor, MI PMSA	234	265	282	288	(X)	(X)	1.2	.2
Detroit, MI PMSA	4,554	4,488	4,300	4,362	(X)	(X)	-.1	-.4
El Paso, TX MSA	369	480	545	573	70	67	2.8	2.4
Erie, PA MSA	254	280	279	276	111	121	.6	-.1
Eugene-Springfield, OR MSA	215	275	284	285	115	123	2.5	-.5
Evansville, IN-KY MSA	255	278	282	281	114	120	.8	.2
Fayetteville, NC MSA	212	247	258	259	127	128	1.5	.6
Flint, MI MSA	448	450	434	435	73	61	.1	-.5
Fort Myers-Cape Coral, FL MSA	105	205	287	295	140	118	6.7	5.0
Fort Wayne, IN MSA	335	354	352	354	89	98	.8	.4
Fresno, CA MSA	413	515	578	597	67	64	2.2	2.1

See footnotes at end of table.

NO. 36. METROPOLITAN STATISTICAL AREAS—POPULATION, 1970 TO 1987—Continued

[See headnote, p. 29]

METROPOLITAN STATISTICAL AREA	1970 (1,000)	1980 (1,000)	1985 (1,000)	1987 (1,000)	RANK		AVERAGE ANNUAL PERCENT CHANGE
					1980	1987	
Grand Rapids, MI MSA	536	602	634	657	56	57	1.1
Greensboro-Winston-Salem-High Point, NC MSA	743	852	894	918	44	46	1.4
Greenville-Spartanburg, SC MSA	473	566	600	612	59	61	1.8
Harrisburg-Lebanon-Carlisle, PA MSA	510	555	574	584	82	85	.8
Hartford-New Britain-Middletown, CT CMSA	1,000	1,014	1,037	1,057	35	36	.1
Bristol, CT PMSA	70	74	78	78	(X)	(X)	.5
Hartford, CT PMSA	711	716	734	748	(X)	(X)	1
Middletown, CT PMSA	74	82	84	85	(X)	(X)	1.0
New Britain, CT PMSA	145	142	144	147	(X)	(X)	-.2
Honolulu, HI MSA	621	763	811	831	47	46	1.9
Houston-Galveston-Brazoria, TX CMSA	2,168	3,101	3,818	3,625	9	10	3.6
Brazoria, TX PMSA	108	170	187	187	(X)	(X)	4.5
Galveston-Texas City, TX PMSA	170	196	213	211	(X)	(X)	1.4
Houston, TX PMSA	1,891	2,736	3,218	3,226	(X)	(X)	3.7
Huntington-Ashland, WV-KY-OH MSA	307	336	381	323	97	111	.8
Indianapolis, IN MSA	1,111	1,167	1,203	1,229	30	32	.5
Jackson, MS MSA	266	362	366	366	92	89	2.3
Jacksonville, FL MSA	613	722	825	878	50	47	1.6
Johnson City-Kingsport-Bristol, TN-VA MSA	374	434	442	443	76	80	1.5
Johnstown, PA MSA	263	265	256	252	121	131	.1
Kansas City MO-KS MSA	1,373	1,433	1,489	1,545	25	25	.4
Knoxville, TN MSA	477	566	566	564	60	65	1.7
Lakeland-Winter Haven, FL MSA	226	322	368	367	101	82	3.4
Lancaster, PA MSA	320	362	367	404	91	86	1.2
Lansing-East Lansing, MI MSA	378	420	417	428	81	83	1.0
Las Vegas, NV MSA	273	463	551	600	72	69	5.3
Lexington-Fayette, KY MSA	267	318	334	342	103	106	1.7
Little Rock-North Little Rock, AR MSA	381	474	492	512	71	71	2.2
Los Angeles-Anaheim-Riverside, CA CMSA	5,961	11,496	12,756	13,471	2	2	1.4
Anaheim-Santa Ana, CA PMSA	1,421	1,933	2,127	2,219	(X)	(X)	3.1
Los Angeles-Long Beach, CA PMSA	7,042	7,478	8,131	8,505	(X)	(X)	.6
Ontario-Ventura, CA PMSA	378	529	601	628	(X)	(X)	3.4
Riverside-San Bernardino, CA PMSA	1,136	1,556	1,901	2,119	(X)	(X)	3.1
Louisville, KY-IN MSA	907	957	984	997	38	41	.5
Macon-Warner Robins, GA MSA	235	264	280	283	122	119	1.2
Madison, WI MSA	290	324	341	347	100	102	1.1
McAllen-Edinburg-Mission, TX MSA	162	263	355	379	110	84	4.4
Melbourne-Titusville-Palm Bay, FL MSA	230	273	346	375	116	95	1.7
Memphis, TN-AR-MS MSA	834	913	950	972	40	40	.9
Miami-Fort Lauderdale, FL CMSA	1,868	2,544	2,865	2,954	12	11	3.4
Fort Lauderdale-Hollywood-Pompano Beach, FL PMSA	620	1,016	1,120	1,183	(X)	(X)	5.0
Miami-Hialeah, FL PMSA	1,268	1,826	1,745	1,791	(X)	(X)	2.5
Milwaukee-Racine, WI CMSA	1,576	1,570	1,551	1,562	23	24	(-2)
Milwaukee, WI PMSA	1,404	1,397	1,380	1,389	(X)	(X)	-1
Racine, WI PMSA	171	173	172	173	(X)	(X)	1
Minneapolis-St. Paul, MN-WI MSA	1,962	2,137	2,282	2,336	17	16	.5
Mobile, AL MSA	377	444	485	483	74	76	1.5
Modesto, CA MSA	195	266	304	327	120	109	3.1
Montgomery, AL MSA	228	273	295	297	117	115	1.9
Nashville, TN MSA	699	851	911	956	45	42	2.0
New Haven-Meriden, CT MSA	488	500	509	519	68	69	.2
New London-Norwich, CT-RI MSA	243	251	258	259	125	127	.3
New Orleans, LA MSA	1,100	1,286	1,330	1,321	27	29	1.3
New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA	16,193	17,539	17,918	18,054	1	1	.4
Bergen-Passaic, NJ PMSA	1,358	1,293	1,300	1,294	(X)	(X)	-.5
Bridgeport-Milford, CT PMSA	444	439	443	444	(X)	(X)	-1
Danbury, CT PMSA	136	170	183	189	(X)	(X)	2.2
Jersey City, NJ PMSA	906	557	557	547	(X)	(X)	-.9
Middlesex-Somerset-Hunterdon, NJ PMSA	852	666	631	666	(X)	(X)	.4
Monmouth-Ocean, NJ PMSA	670	649	613	567	(X)	(X)	2.4
Nassau-Suffolk, NY PMSA	2,556	2,806	2,630	2,631	(X)	(X)	.2
New York, NY PMSA	9,077	8,276	8,472	8,529	(X)	(X)	-.9
Newark, NJ PMSA	1,937	1,879	1,869	1,891	(X)	(X)	-.3
Norwalk, CT PMSA	128	127	126	126	(X)	(X)	-1
Orange County, NY PMSA	222	280	276	268	(X)	(X)	1.5
Stamford, CT PMSA	208	199	197	183	(X)	(X)	-.4
Norfolk-Virginia Beach-Newport News, VA MSA	1,056	1,160	1,280	1,346	31	27	.9
Oklahoma City, OK MSA	719	861	879	875	43	36	1.8

See footnotes at end of table.

NO. 38. METROPOLITAN STATISTICAL AREAS—POPULATION, 1970 TO 1987—Continued

[See headsheets, p. 29]

METROPOLITAN STATISTICAL AREA	1970 (1,000)	1980 (1,000)	1985 (1,000)	1987 (1,000)	RANK		AVERAGE ANNUAL PERCENT CHANGE	
					1980	1987	1970- 1980	1980- 1987
Omaha, NE-IA MSA	558	585	611	616	57	60	5	7
Orlando, FL MSA	453	700	863	935	51	44	4.3	4.0
Pinebluffs, FL MSA	243	290	328	344	109	103	1.8	2.4
Piquette, IL MSA	342	368	347	339	90	107	7	1.1
Philadelphia-Wilmington-Trenton, PA-NJ-DE-MD CMSA	5,749	5,681	5,787	5,691	4	5	-1	5
Philadelphia, PA-NJ PMSA	4,824	4,717	4,791	4,688	(x)	(x)	-2	4
Trenton, NJ PMSA	304	308	317	327	(x)	(x)	1	6
Vineland-Milville-Bridgeton, NJ PMSA	121	133	135	138	(x)	(x)	9	5
Wilmington, DE-NJ-MD PMSA	490	523	543	559	(x)	(x)	5	9
Phoenix, AZ MSA	971	1,509	1,817	1,980	24	21	4.4	3.6
Pittsburgh-Beaver Valley, PA CMSA	2,556	2,423	2,334	2,296	13	18	5	7
Beaver County, PA PMSA	208	204	195	191	(x)	(x)	-2	9
Pittsburgh, PA PMSA	2,348	2,219	2,139	2,105	(x)	(x)	-6	-7
Portland-Vancouver OR-WA CMSA	1,047	1,298	1,350	1,383	26	26	2.1	9
Portland, OR PMSA	919	1,106	1,143	1,188	(x)	(x)	1.9	8
Vancouver, WA PMSA	128	192	207	216	(x)	(x)	4.0	1.6
Poughkeepsie, NY MSA	222	245	254	258	129	129	1.0	7
Providence-Pawtucket-Fall River, RI-MA CMSA	1,055	1,063	1,100	1,118	33	34	2	4
Fall River, MA-RI PMSA	152	157	157	153	(x)	(x)	3	4
Pawtucket-Woonsocket-Attleboro, RI-MA PMSA	301	307	314	322	(x)	(x)	2	6
Providence, RI PMSA	612	619	629	643	(x)	(x)	1	5
Raleigh-Durham, NC MSA	446	561	631	666	61	56	2.3	2.4
Reading, PA MSA	296	313	319	324	104	110	5	5
Richmond-Petersburg, VA MSA	676	761	801	825	48	50	1.2	1.1
Rochester, NY MSA	982	971	976	979	37	36	1	1
Rockford, IL MSA	272	280	280	281	112	119	3	1
Sacramento, CA MSA	846	1,100	1,256	1,336	32	28	2.8	2.7
Saginaw-Bay City-Midland, MI MSA	401	422	405	404	78	85	5	-6
St. Louis, MO-IL MSA	2,429	2,377	2,422	2,456	14	14	-2	5
Salem, OR MSA	187	250	259	266	126	122	2.9	9
Salinas-Seaside-Monterey, CA MSA	247	290	329	343	108	104	1.6	2.3
Salt Lake City-Ogden, UT MSA	684	910	1,026	1,055	41	37	2.9	2.0
San Antonio, TX MSA	886	1,072	1,244	1,307	34	31	1.9	2.7
San Diego, CA MSA	1,358	1,962	2,133	2,286	19	19	3.2	2.8
San Francisco-Oakland-San Jose, CA CMSA	4,754	5,368	5,803	5,953	5	4	1.2	1.4
Oakland, CA PMSA	1,626	1,762	1,910	1,988	(x)	(x)	8	1.5
San Francisco, CA PMSA	1,482	1,486	1,570	1,560	(x)	(x)	(2)	9
San Jose, CA PMSA	1,065	1,295	1,397	1,415	(x)	(x)	2.0	1.2
Santa Cruz, CA PMSA	124	188	213	222	(x)	(x)	4.2	2.3
Santa Rosa-Petaluma, CA PMSA	205	300	334	354	(x)	(x)	3.8	2.3
Vallejo-Fairfield-Napa, CA PMSA	251	334	376	404	(x)	(x)	2.9	2.6
Santa Barbara-Santa Maria-Lompoc, CA MSA	254	299	331	341	106	106	1.2	1.8
Sarasota, FL MSA	120	202	244	256	143	130	6.3	3.2
Scranton-Wilkes-Barre, PA MSA	666	729	724	731	49	54	5	(2)
Seattle-Tacoma, WA CMSA	1,637	2,089	2,251	2,341	18	15	1.3	1.5
Seattle, WA PMSA	1,425	1,807	1,725	1,798	(x)	(x)	1.2	1.5
Tacoma, WA PMSA	412	486	526	545	(x)	(x)	1.8	1.6
Shreveport, LA MSA	296	333	363	364	96	99	1.2	1.2
Spokane, WA MSA	287	342	357	355	95	101	1.7	5
Springfield, MA MSA	528	515	517	517	68	70	-2	(2)
Stockton, CA MSA	291	347	415	443	94	79	1.8	3.4
Syracuse, NY MSA	637	643	649	647	53	56	1	1
Tampa-St. Petersburg-Clearwater, FL MSA	1,106	1,614	1,671	1,665	22	20	3.4	2.7
Toledo, OH MSA	606	617	611	611	55	62	2	1
Tucson, AZ MSA	352	531	565	619	64	59	4.1	2.1
Tulsa, OK MSA	526	657	726	733	52	53	2.2	1.5
Utica-Rome, NY MSA	340	320	317	314	102	112	6	-3
Visalia-Tulare-Porterville, CA MSA	188	246	280	292	128	117	2.7	2.4
Washington, DC-MD-VA MSA	3,040	3,251	3,484	3,646	8	9	7	1.8
West Palm Beach-Boca Raton-Delray Beach, FL MSA	349	577	724	780	58	51	5.0	4.3
Wichita, KS MSA	417	442	466	475	75	77	6	1.0
Worcester, MA MSA	400	409	404	410	85	84	1	2
York, PA MSA	330	381	393	404	87	87	1.5	8
Youngstown-Warren, OH MSA	537	531	514	503	65	73	-1	8

X Not applicable. Z Less than .05 percent.

Source: U.S. Bureau of the Census, 1980 Census of Population, Supplementary Report, Metropolitan Statistical Areas, (PC80-81-18) and General Population Characteristics (PC80-1-8); Current Population Reports, series P-26, No. 85-AL-C to 85-WY-C and series P-23, forthcoming report; and census release (C808-157)

NO. 37. METROPOLITAN STATISTICAL AREAS—NET MIGRATION, 1980 TO 1987, AND PERCENT OF METROPOLITAN POPULATION INSIDE CENTRAL CITIES, 1986

(Estimates, as of July 1. Covers 20 consolidated metropolitan statistical areas (CMSAs), and their 71 component primary metropolitan statistical areas (PMSAs), and the remaining MSAs with 500,000 population; see headnote, table 33. For definitions and components of all MSAs, see Appendix II. Net migration is a residual value obtained by subtracting natural increase (births minus deaths) from population change for the period. Minus sign (—) indicates decrease. Z Less than 500 or .05 percent)

METROPOLITAN STATISTICAL AREA	Net migration, 1980-87 (1,000)	Percent inside central cities, 1986	METROPOLITAN STATISTICAL AREA	Net migration, 1980-87 (1,000)	Percent inside central cities
Albany-Schenectady-Troy, NY MSA	-9	25.9	Fort Lauderdale-Hollywood-Pompano Beach, FL PMSA	129	
Allentown-Bethlehem, PA-NJ MSA	17	30.9	Miami-Ft. Lauderdale, FL PMSA	98	
Atlanta, GA MSA	389	18.1	Milwaukee-Racine, WI CMSA	-91	
Austin, TX MSA	142	64.2	Milwaukee, WI PMSA	-91	
Bakersfield, CA MSA	57	30.4	Racine, WI PMSA	-10	
Baltimore, MD MSA	8	34.5	Minneapolis-St. Paul, MN-WI MSA	44	
Baton Rouge, LA MSA	-3	44.0	Nashville, TN MSA	62	
Birmingham, AL MSA	-2	34.0	New Haven-Meriden, CT MSA	3	
Boston-Lawrence-Salem, MA-NH CMSA	-8	32.2	New Orleans, LA MSA	-26	
Boston, MA PMSA	-47	30.6	New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA	-50	
Brockton, MA PMSA	-6	50.5	Bergen-Passaic, NJ PMSA	-26	
Lawrence-Andover, MA-NH PMSA	22	30.4	Bridgeport-Milford, CT PMSA	-8	
Lowell, MA-NH PMSA	9	36.3	Danbury, CT PMSA	13	
Nashua, NH PMSA	21	46.0	Jersey City, NJ PMSA	-27	
Salem-Gloucester, MA PMSA	-5	25.6	Middlesex-Somerset-Huntingdon, NJ PMSA	45	
Buffalo-Niagara Falls, NY CMSA	-96	33.0	Monmouth-Dusen, NJ PMSA	94	
Buffalo, NY PMSA	-79	33.7	Norfolk-Suffolk, NY PMSA	-48	
Niagara Falls, NY PMSA	-18	29.9	New York, NY PMSA	-42	
Charleston, SC MSA	30	14.2	Newark, NJ PMSA	-49	
Charlotte-Gastonia-Rock Hill, NC-SC MSA	71	45.0	Norwalk, CT PMSA	-5	
Chicago-Gary Lake County (IL), IL-IN-WI CMSA	-256	45.9	Orange County, NY PMSA	15	
Aurora-Elgin, IL PMSA	12	41.1	Stamford, CT PMSA	12	
Chicago, IL PMSA	-202	50.7	Norfolk-Virginia Beach-Newport News, VA MSA	80	
Gary-Hammond, IN PMSA	-73	42.3	Oklahoma City, OK MSA	46	
Joliet, IL PMSA	-3	20.5	Omaha, NE-IA MSA	-11	
Kenosha, WI PMSA	-9	62.5	Orlando, FL MSA	182	
Lake County, IL PMSA	20	24.5	Philadelphia-Wilmington-Trenton, PA-NJ-DE-MD CMSA	(2)	
Cincinnati-Hamilton, OH-KY-IN CMSA	-34	28.5	Philadelphia, PA-NJ PMSA	-20	
Cincinnati, OH-KY-IN PMSA	-37	29.1	Trenton, NJ PMSA	9	
Hamilton-Middletown, OH PMSA	3	40.9	Vineland-Millville-Bridgeton, NJ PMSA	-1	
Cleveland-Akron-Lorain, OH CMSA	-188	34.1	Wilmington, DE-NJ-MD PMSA	12	
Akron, OH PMSA	-38	43.1	Phoenix, AZ MSA	321	
Cleveland, OH PMSA	-108	29.0	Pittsburgh-Beaver Valley, PA CMSA	-189	
Lorain-Elyria, OH PMSA	-21	47.5	Beaver County, PA PMSA	-17	
Columbus, OH MSA	4	49.4	Pittsburgh, PA PMSA	-138	
Dallas-Fort Worth, TX CMSA	503	51.1	Portland-Vancouver, OR-WA CMSA	15	
Dallas, TX PMSA	300	49.4	Portland, OR PMSA	5	
Fort Worth-Arlington, TX PMSA	203	54.2	Vancouver, WA PMSA	10	
Dayton-Springfield, OH MSA	-48	29.6	Providence-Pawtucket-Fall River, RI-MA CMSA	8	
Denver-Boulder CO CMSA	102	34.2	Fall River, MA-RI PMSA	-9	
Boulder-Longmont, CO PMSA	12	59.9	Pawtucket-Woonsocket-Attleboro, RI-MA PMSA	8	
Denver, CO PMSA	90	30.9	Providence, RI PMSA	8	
Detroit-Ann Arbor, MI CMSA	-324	30.0	Raleigh-Durham, NC MSA	75	
Ann Arbor, MI PMSA	-14	40.5	Richmond-Petersburg, VA MSA	29	
Detroit, MI PMSA	-310	29.4	Rochester, NY MSA	-39	
El Paso, TX MSA	32	87.6	Sacramento, CA MSA	158	
Fresno, CA MSA	32	48.4	St. Louis, MO-IL MSA	-35	
Grand Rapids, MI MSA	8	32.5	Salt Lake City-Ogden, UT MSA	16	
Greensboro-Winston-Salem-High Point, NC MSA	35	43.5	San Antonio, TX MSA	131	
Greenville-Spartanburg, SC MSA	18	18.9	San Diego, CA MSA	274	
Harrisburg-Lebanon-Carlisle, PA MSA	11	17.0	San Francisco-Oakland-San Jose, CA CMSA	289	
Hartford-New Britain-Middletown, CT CMSA	8	29.5	Oakland, CA PMSA	100	
Bristol, CT PMSA	2	76.7	San Francisco, CA PMSA	54	
Hartford, CT PMSA	6	18.7	San Jose, CA PMSA	10	
Middletown, CT PMSA	1	48.9	Santa Cruz, CA PMSA	21	
New Britain, CT PMSA	(2)	49.9	Santa Rosa-Petaluma, CA PMSA	40	
Honolulu, HI MSA	-6	45.5	Vallejo-Fairfield-Napa, CA PMSA	44	
Houston-Galveston-Brazoria, TX CMSA	178	52.1	Scranton-Wilkes-Barre, PA MSA	2	
Brazoria, TX PMSA	(2)	(2)	Seattle-Tacoma, WA CMSA	113	
Galveston-Texas City, TX PMSA	(2)	47.7	Seattle, WA PMSA	94	
Houston, TX PMSA	177	55.4	Tacoma, WA PMSA	18	
Indianapolis, IN MSA	-5	59.4	Springfield, MA MSA	13	
Jacksonville, FL MSA	105	71.5	Syracuse, NY MSA	27	
Kansas City, MO-KS MSA	30	45.5	Tampa-St. Petersburg-Clearwater, FL MSA	354	
Knoxville, TN MSA	11	33.5	Toledo, OH MSA	34	
Las Vegas, NV MSA	101	33.6	Tucson, AZ MSA	51	
Little Rock-North Little Rock, AR MSA	7	54.2	Tulsa, OK MSA	26	
Los Angeles-Anaheim-Riverside, CA CMSA	1,009	38.6	Washington, DC-MD-VA MSA	174	
Anaheim-Santa Ana, CA PMSA	127	23.0	West Palm Beach-Boca Raton-Delray Beach, FL MSA	208	
Los Angeles Long Beach, CA PMSA	407	48.1	Youngstown-Warren, OH MSA	-43	
Ontario-Ventura, CA PMSA	52	34.8			
Riverside-San Bernardino, CA PMSA	423	18.3			
Louisville, KY-IN MSA	-28	33.0			
Memphis, TN-AR-MO MSA	2	70.9			
Miami-Fort Lauderdale, FL CMSA	237	33.2			

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, "Patterns of Metropolitan Area and County Population Growth, 1980 to 1987", forthcoming.

No. 33. CITIES, BY POPULATION SIZE: 1960 TO 1986

[Covers incorporated places of 10,000 population or more]

POPULATION SIZE	NUMBER OF CITIES				POPULATION (mil.)				PERCENT OF TOTAL			
	1960	1970	1980	1986	1960	1970	1980	1986	1960	1970	1980	1986
Total.....	1,964	1,967	2,233	3,333	91.0	106.7	113.6	120.6	100.0	100.0	100.0	100.0
1,000,000 or more.....	5	6	6	8	17.5	18.8	17.5	20.0	19.2	17.8	15.4	16.6
500,000-1,000,000.....	16	20	16	15	11.1	13.0	10.9	10.0	12.2	12.3	9.6	8.3
250,000-500,000.....	30	30	34	37	10.8	10.5	12.3	13.3	11.8	9.9	10.8	11.0
100,000-250,000.....	79	97	116	122	11.4	13.9	16.8	17.9	12.5	13.1	14.8	14.9
50,000-100,000.....	160	232	254	266	12.5	18.2	17.5	19.8	13.7	15.3	15.4	16.3
25,000-50,000.....	396	455	529	563	12.7	15.7	18.4	19.4	14.0	14.9	16.2	16.1
10,000-25,000.....	978	1,127	1,276	1,302	15.1	17.6	20.1	20.4	16.5	16.7	17.7	16.9

Source: U.S. Bureau of the Census, *Census of Population: 1970 and 1980*, vol. 1; and *Current Population Reports*, series P-26, No. 86-5 regional reports: NE, ENC, WNC, S, and W)-SC.

No. 36. CITIES WITH 100,000 INHABITANTS OR MORE IN 1986—POPULATION, 1970 TO 1986, AND LAND AREA, 1985

[Population: 1970 and 1980, as of April 1; other years, as of July 1. Data refer to municipal limits as of January 1 for 1970 and 1980 and as of December 31 prior to estimate data for all other years. For comments on comparability of race data for 1970 and 1980, see text, section 1. Minus sign (—) indicates decrease]

CITY	1970		1980			1982, total popu- lation (1,000)	1984, total popu- lation (1,000)	1986, population				1986, land area ⁴ (square miles)
	Total popula- tion ¹ (1,000)	Per- cent Black ²	Total popula- tion ¹ (1,000)	Percent— ³				Total (1,000)	Rank	Percent change, 1980- 1986	Per square mile	
				Black	His- panic ³							
Abilene, TX.....	90	5.8	96	6.7	12.6	106	110	112	151	14.4	1,219	92.2
Albion, OH.....	275	17.5	237	22.2	.6	232	227	222	86	-6.4	3,576	62.1
Albuquerque, NM.....	245	2.2	332	2.5	33.8	342	351	367	40	10.4	2,663	127.2
Alexandria, VA.....	111	14.1	103	22.3	3.9	104	107	103	162	4.5	7,187	15.0
Allentown, PA.....	110	1.8	104	3.1	5.1	104	104	104	170	.6	5,993	17.5
Amarillo, TX.....	127	5.3	149	5.5	9.2	156	163	166	96	11.1	1,915	66.6
Anaheim, CA.....	166	(2)	219	1.2	17.2	226	234	241	63	9.7	5,366	44.8
Anchorage, AK ⁵	48	5.9	174	5.3	3.0	204	226	235	67	34.7	136	1,732.0
Ann Arbor, MI.....	100	6.7	106	9.3	2.1	100	109	103	163	-2	4,295	25.1
Arlington, TX.....	90	.6	160	2.9	4.1	165	216	250	61	56.0	2,739	91.2
Atlanta, GA.....	465	51.3	425	66.6	1.4	426	426	422	32	-.7	3,216	131.2
Aurora, CO.....	75	1.2	159	6.9	5.0	164	206	218	71	37.5	3,293	65.2
Austin, TX.....	254	11.8	346	12.2	16.7	397	426	467	27	34.9	2,011	232.0
Bakersfield, CA.....	70	13.3	106	10.6	15.0	116	140	150	109	42.4	1,921	78.3
Baltimore, MD.....	905	46.4	787	54.6	1.0	774	764	753	11	-4.3	9,375	60.3
Baton Rouge, LA.....	166	27.6	220	36.5	1.8	232	239	241	62	9.4	3,306	72.9
Beaumont, TX.....	116	30.7	116	36.6	3.5	123	123	120	139	1.5	1,622	73.9
Berkeley, CA.....	114	23.5	103	20.1	5.1	103	104	104	171	.8	9,551	10.9
Birmingham, AL.....	301	42.0	264	55.6	.8	263	260	276	55	-2.4	2,781	99.8
Boise City, ID.....	75	.4	102	.5	2.3	106	107	106	160	6.0	2,562	42.3
Boston, MA.....	641	16.3	563	22.4	6.4	561	571	574	19	1.9	12,153	47.2
Bridgeport, CT.....	157	16.3	143	21.0	16.7	144	142	142	117	-.5	9,650	14.7
Brownsville, TX.....	53	.2	85	.2	63.7	91	95	102	174	20.1	3,533	26.9
Buffalo, NY.....	463	20.4	366	26.6	2.7	346	339	325	48	-9.2	7,771	41.6
Cedar Rapids, IA.....	111	1.8	110	2.3	.9	100	109	106	161	-1.7	1,963	55.2
Charlotte, NC.....	241	30.3	315	31.0	1.1	335	342	352	44	11.6	2,315	152.1
Chattanooga, TN.....	120	35.6	170	31.7	.8	166	164	162	96	-4.3	1,310	123.6
Chesapeake, VA.....	90	23.1	114	27.6	.9	120	126	134	127	17.4	396	340.0
Chicago, IL.....	3,369	32.7	3,005	39.8	14.0	2,997	2,992	3,010	3	.1	13,194	226.1
Chula Vista, CA.....	89	.4	84	2.0	23.4	100	113	119	141	41.6	4,495	26.5
Cincinnati, OH.....	464	27.6	396	33.6	.8	360	370	370	39	-4.1	4,740	78.0
Cleveland, OH.....	751	36.3	574	43.6	3.1	559	547	536	22	-6.6	6,763	79.0
Colorado Springs, CO.....	136	5.2	215	5.6	6.5	232	246	273	57	26.6	1,973	136.2
Columbus, GA ⁶	155	26.2	166	34.2	2.1	174	175	160	66	8.3	626	217.5
Columbus, OH.....	540	16.5	565	22.1	.8	571	566	566	20	.2	3,030	166.6
Concord, CA.....	65	.3	104	1.7	7.2	104	104	105	166	2.1	3,617	29.3
Corpus Christi, TX.....	206	5.1	232	5.1	46.6	246	261	264	56	13.7	2,246	117.4
Dallas, TX.....	844	24.9	906	29.4	12.3	944	974	1,004	8	10.9	3,026	331.4
Dayton, OH.....	243	30.5	184	36.9	.9	196	181	179	69	-7.6	3,266	54.4
Denver, CO.....	515	9.1	493	12.0	18.8	506	505	505	23	2.5	4,726	106.6
Des Moines, IA.....	201	5.7	191	6.6	1.6	192	191	192	76	.6	2,901	66.2
Detroit, MI.....	1,514	43.7	1,203	63.1	2.4	1,157	1,127	1,066	6	-9.7	6,010	135.6
Durham, NC.....	96	36.6	101	47.1	.9	109	110	114	149	12.6	2,162	52.2
Elizabeth, NJ.....	113	15.5	106	16.2	26.7	107	107	107	165	.3	9,106	11.7
El Paso, TX.....	322	2.3	425	3.2	62.5	445	464	492	24	15.6	2,052	239.7
Erie, PA.....	129	6.6	119	9.7	1.1	118	117	115	147	-3.2	5,312	21.7
Eugene, OR.....	79	.8	106	1.1	2.1	104	103	105	167	-.2	2,976	35.4
Evansville, IN.....	129	7.3	130	6.6	.5	130	130	129	130	-.6	3,444	37.6
Flint, MI.....	193	26.1	160	41.4	2.5	154	149	146	116	-6.6	4,452	32.7
Fort Lauderdale, FL.....	140	14.6	153	21.0	4.2	154	150	149	112	-3.0	5,021	29.6

See footnotes at end of table.

**NO. 39. CITIES WITH 100,000 INHABITANTS OR MORE IN 1986—POPULATION, 1970 TO 1986, AND
LAND AREA, 1985—Continued**

(See headline, p. 33)

CITY	1970		1980			1982, total population (1,000)	1984, total population (1,000)	1986, population				1 square miles
	Total population (1,000)	Per- cent Black ²	Total population (1,000)	Percent— ¹				Total (1,000)	Rank	Percent change, 1980- 1986	Per square mile	
				Black	His- panic ³							
Fort Wayne, IN	178	10.6	172	14.6	2.2	173	170	173	84	3	2,821	
Fort Worth, TX	383	19.9	385	22.8	12.6	401	415	430	30	11.5	1,882	
Fremont, CA	101	(2)	132	2.5	14.0	138	144	154	108	16.4	1,859	
Fresno, CA	186	9.6	217	9.6	23.8	257	273	285	53	30.9	3,015	
Fulkerton, CA	86	.8	102	1.8	13.5	105	107	109	159	8.4	4,899	
Garden Grove, CA	121	(2)	123	.8	13.5	128	131	135	128	8.4	7,819	
Garland, TX	81	3.7	138	5.3	6.3	149	160	177	91	27.1	3,148	
Gary, IN	175	52.8	152	70.8	7.1	148	143	137	122	10.0	3,472	
Glendale, AZ	36	.4	97	1.9	12.8	106	114	126	135	28.5	2,501	
Glendale, CA	133	(2)	139	.3	17.8	—	147	154	107	10.5	5,022	
Grand Rapids, MI	198	11.3	182	15.7	3.2	183	183	187	80	2.6	4,298	
Greensboro, NC	144	28.2	156	33.0	.8	172	174	177	90	13.6	2,427	
Hampton, VA	121	25.4	123	34.3	1.4	125	126	126	—	2.8	2,458	
Hartford, CT	158	27.9	136	33.9	20.5	136	138	138	121	1.2	7,752	
Hayward, CA	93	1.8	94	5.7	20.2	96	99	102	178	8.5	2,288	
Hialeah, FL	—	1.1	145	1.5	74.3	155	152	182	—	11.4	—	
Hollywood, FL	107	3.7	121	4.1	5.3	122	120	121	—	—	4,779	
Honolulu, HI ⁷	325	7	366	1.2	5.2	366	373	372	38	2.0	4,280	
Houston, TX	1,234	26.7	1,586	27.6	17.6	1,744	1,724	1,729	4	8.4	3,019	
Huntington Beach, CA	116	(2)	171	7	7.9	176	179	184	83	7.7	6,751	
Huntsville, AL	139	12.1	143	20.7	1.0	145	150	163	87	14.7	1,406	
Independence, MO	112	.8	112	7	1.4	112	112	113	—	1.0	1,401	
Indianapolis, IN	737	18.0	701	21.8	9	708	710	720	13	2.7	2,045	
Inglewood, CA	90	11.2	84	57.3	19.2	87	99	103	172	8.9	11,522	
Irvine, TX	97	1.0	110	1.5	7.4	114	120	129	132	16.9	1,907	
Jackson, MS	154	39.7	203	47.0	7	204	209	208	74	2.7	1,983	
Jacksonville, FL	504	22.3	541	25.4	1.8	556	578	610	17	12.7	803	
Jersey City, NJ	280	31.0	224	27.7	18.8	223	223	219	70	1.8	16,827	
Kansas City, KS	188	20.4	181	25.3	4.9	182	180	—	—	6	1,508	
Kansas City, MO	507	22.1	448	27.4	3.3	445	4—	441	29	—1.5	1,384	
Knoxville, TN	175	12.7	175	14.6	7	175	174	173	93	—1.0	2,209	
Lakewood, CO	93	1	114	.5	5.9	118	121	122	137	7.3	3,008	
Lansing, MI	131	8.3	130	13.9	6.3	128	128	129	131	1.1	3,854	
Laredo, TX	69	.5	91	1	93.0	105	115	117	145	28.0	4,320	
Las Vegas, NV	126	11.2	185	12.8	7.8	180	183	192	79	18.3	2,850	
Lexington-Fayette, KY ⁸	108	17.0	—	13.3	7	208	210	213	73	4.3	748	
Lincoln, NE	150	1.5	172	2.0	1.8	177	—	183	85	6.5	3,006	
Little Rock, AR	132	25.0	158	32.2	.8	179	181	181	86	13.7	1,888	
Livonia, MI	110	(2)	105	.1	.9	101	100	101	181	4.1	2,889	
Long Beach, CA	359	6.3	381	11.3	14.0	371	379	386	33	9.6	7,957	
Los Angeles, CA	2,812	17.9	2,969	17.0	27.5	3,022	3,097	3,258	2	9.8	6,886	
Louisville, KY	382	23.8	299	26.2	7	294	290	288	52	—4.0	4,889	
Lubbock, TX	149	7.3	174	6.2	18.8	180	182	188	81	7.2	1,764	
Macon, GA	122	37.3	117	44.6	7	119	120	118	143	1.3	2,383	
Madison, WI	172	1.5	171	2.7	1.3	173	171	178	92	3.1	3,157	
Memphis, TN	624	38.9	646	47.8	.8	648	648	653	15	1.0	2,471	
Mesa, AZ	83	1.2	152	1.2	8.1	182	206	251	60	65.0	2,647	
Miami, FL	335	22.7	347	25.1	55.9	383	373	374	36	7.9	10,802	
Milwaukee, WI	717	14.7	636	23.1	4.1	632	621	605	18	—4.9	6,316	
Minneapolis, MN	434	4.4	371	7.7	1.3	389	368	357	43	3.8	6,478	
Mobile, AL	190	35.4	200	36.2	1.1	205	206	203	75	1.4	1,486	
Modesto, CA	82	1.9	107	2.1	10.5	114	122	133	128	24.3	4,888	
Montgomery, AL	133	33.4	178	39.2	9	182	185	194	77	9.2	1,482	
Nashville												
Davidson, TN	426	19.6	456	23.3	.8	455	—	474	26	4.0	988	
Newark, NJ	382	54.2	329	58.2	18.8	321	314	318	50	3.9	13,122	
New Haven, CT	138	28.3	126	31.9	8.0	125	124	123	136	—2.1	6,532	
New Orleans, LA	593	45.0	558	55.3	3.4	585	559	554	21	.8	2,781	
Newport News, VA	138	28.4	145	31.5	1.8	151	155	162	101	11.8	2,476	
New York, NY	7,896	21.1	7,072	26.2	19.9	—	7,185	7,283	1	2.7	24,089	
Bronx Borough	1,472	24.3	1,169	31.8	33.9	1,163	1,173	1,194	(x)	2.1	26,633	
Brooklyn Borough	2,602	25.2	2,231	32.4	17.6	2,240	2,254	—	(x)	1.0	—	
Manhattan Borough	1,539	24.7	1,428	21.7	—	1,423	1,458	1,478	(x)	3.5	66,577	
Queens Borough	1,987	13.0	1,891	18.7	13.9	1,900	1,911	1,923	(x)	1.7	17,707	
Staten Island Borough	295	5.3	352	7.3	5.4	360	371	375	(x)	6.5	6,388	
Norfolk, VA	308	26.3	267	35.2	2.3	287	280	275	66	2.9	5,185	
Oakland, CA	362	34.5	339	46.9	9.6	—	352	357	42	5.2	6,623	
Odessa, TX	78	5.7	80	5.6	23.2	102	109	101	178	12.4	2,692	
Oklahoma City, OK	368	13.7	404	14.6	2.8	428	443	446	26	10.4	739	
Omaha, NE	347	8.9	314	12.0	2.3	344	348	349	45	11.3	3,517	
Ontario, CA	64	1.8	89	3.4	27.1	97	108	114	146	—	3,148	

See footnotes at end of table.

**NO. 38. CITIES WITH 100,000 INHABITANTS OR MORE IN 1985—POPULATION, 1970 TO 1985, AND
LAND AREA, 1985—Continued**

[See headnote, p. 33]

CITY	1970		1980			1982, total population (1,000)	1984, total population (1,000)	1985, population				1985, land area ⁴ (square miles)
	Total population ¹ (1,000)	Per- cent Black ²	Total population ¹ (1,000)	Percent— ³				Total (1,000)	Rank	Percent change, 1980- 1985	Per square mile	
				Black	His- panic ³							
Orange, CA	77	.3	91	9	12.4	95	97	101	180	10.2	4,458	22.6
Orlando, FL	99	29.5	129	30.0	3.9	134	137	146	115	13.7	2,416	60.4
Oxnard, CA	71	6.0	108	8.1	44.4	118	124	133	133	17.4	5,162	24.6
Pasadena, CA	113	16.1	118	20.7	18.4	121	125	130	129	10.0	5,598	23.2
Pasadena, TX	90	1	113	.8	17.0	122	119	118	144	4.9	3,080	36.2
Paterson, NJ	145	26.9	138	34.1	26.7	139	139	136	119	.8	16,763	8.3
Peoria, IL	127	11.5	124	16.7	1.4	122	117	110	156	11.2	2,614	42.2
Philadelphia, PA	1,949	33.6	1,886	37.6	3.6	1,665	1,547	1,643	5	-2.7	12,080	136.0
Phoenix, AZ	584	4.8	790	4.8	14.6	824	853	894	10	13.1	2,364	375.0
Pittsburgh, PA	520	20.2	424	24.0	.8	415	403	387	35	6.6	6,994	55.4
Plano, TX	16	4.9	72	3.3	3.5	84	93	111	155	53.5	1,788	62.1
Pomona, CA	87	12.2	93	19.0	30.5	100	107	116	146	24.6	5,045	22.9
Portland, OR	380	5.6	388	7.6	2.1	395	394	388	34	5.4	3,405	113.9
Portsmouth, VA	111	39.9	105	45.1	1.0	106	108	111	157	6.1	3,712	29.9
Providence, RI	179	8.9	167	11.8	5.6	156	154	157	106	.3	8,317	18.9
Pueblo, CO	97	2.1	102	2.1	35.5	101	100	101	177	-.4	3,040	33.3
Raleigh, NC	123	22.7	150	27.4	.9	160	170	180	87	20.1	2,325	77.6
Reno, NV	73	2.2	101	2.7	5.1	107	106	110	154	9.6	3,051	36.2
Richmond, VA	249	42.0	219	51.3	1.0	218	219	218	72	-.7	3,622	60.1
Riverside, CA	140	5.2	171	6.9	16.2	174	182	197	76	15.3	2,858	74.0
Rossmore, VA	82	19.3	100	22.0	.7	100	101	102	175	1.7	2,364	43.1
Rochester, NY	295	16.6	242	25.8	5.4	244	243	236	86	2.4	6,900	34.2
Rockford, IL	147	8.3	140	13.2	2.9	138	137	136	124	2.8	3,311	41.0
Sacramento, CA	257	10.7	276	13.4	14.2	289	■	324	49	17.3	3,325	97.3
St. Louis, MO	822	40.9	453	45.6	1.2	437	429	426	31	5.9	6,943	61.4
St. Paul, MN	310	3.5	270	4.9	2.9	270	266	264	59	2.4	5,032	52.4
St. Petersburg, FL	216	14.6	239	17.2	1.8	241	241	239	64	.3	4,283	56.9
Salt Lake City, UT	176	1.2	183	1.5	7.6	184	185	189	104	-2.8	1,577	100.5
San Antonio, TX	854	7.6	786	7.3	53.7	844	869	914	9	16.3	3,003	304.5
San Bernardino, CA	107	14.0	119	14.9	25.4	126	132	139	120	16.7	2,507	55.3
San Diego, CA	897	7.6	876	6.9	14.9	916	960	1,015	7	16.0	3,086	329.0
San Francisco, CA	716	13.4	679	12.7	12.3	692	713	749	12	10.3	16,142	46.4
San Jose, CA	480	2.5	629	4.8	22.3	659	686	712	14	13.1	4,209	166.2
Santa Ana, CA	158	4.3	204	4.0	44.5	217	225	237	65	16.1	8,842	27.4
Savannah, GA	118	44.9	142	49.0	1.3	146	145	147	114	3.6	2,585	56.6
Scottsdale, AZ	68	.2	89	.4	3.1	■	99	111	154	25.4	610	182.1
Seattle, WA	531	7.1	484	9.5	2.6	480	488	■	25	-1.5	5,816	63.6
Shreveport, LA	162	34.1	206	41.1	1.3	212	221	220	69	7.1	2,443	90.2
South Bend, IN	126	14.1	110	16.3	2.4	108	107	107	164	2.3	2,945	36.4
Spokane, WA	171	1.3	171	1.6	1.5	172	173	173	95	.9	3,104	55.7
Springfield, IL	92	8.2	100	10.8	.7	100	102	100	182	.3	2,428	41.3
Springfield, MA	164	12.6	152	16.6	9.1	152	150	149	111	1.8	4,713	31.7
Springfield, MO	120	2.0	133	2.1	.7	134	137	136	116	4.7	2,074	67.2
Stamford, CT	108	12.2	102	15.0	5.6	104	102	101	179	-1.4	■	36.1
Sterling Heights, IL	61	1	109	2	.9	106	109	112	153	2.7	3,056	36.6
Stockton, CA	110	11.0	150	10.4	22.1	162	171	183	84	22.7	4,276	42.9
Sunnyvale, CA	96	.8	107	2.4	11.6	107	111	112	152	5.2	4,792	23.4
Syracuse, NY	197	10.6	170	15.7	1.7	186	184	181	102	-5.5	6,754	23.8
Tacoma, WA	154	6.6	159	9.2	2.4	161	159	159	103	.3	3,325	47.6
Tallahassee, FL	73	25.1	82	31.6	1.6	106	113	119	140	48.5	2,042	58.5
Tampa, FL	276	19.7	272	23.5	13.3	276	275	278	54	2.2	2,864	104.2
Tempe, AZ	64	.7	107	1.8	8.2	113	118	136	123	27.6	3,527	36.7
Toledo, OH	363	13.6	356	17.4	3.0	351	344	341	46	3.9	4,046	64.2
Topeka, KS	125	6.4	119	9.6	4.6	120	119	119	142	-.1	2,259	52.5
Torrance, CA	136	(2)	130	.7	8.3	130	133	136	125	4.4	6,813	20.5
Tucson, AZ	263	3.5	331	3.7	24.9	355	367	359	41	6.6	2,662	125.4
Tulsa, OK	330	10.6	361	11.6	1.7	375	375	374	37	3.6	2,006	186.1
Virginia Beach, VA	172	9.1	262	10.0	2.0	283	309	333	47	27.2	1,476	225.9
Waco, TX	96	19.9	101	21.8	11.1	102	104	105	■	3.8	1,388	75.6
Warren, MI	179	(2)	181	.2	.9	156	152	150	110	7.0	4,365	34.4
Washington, DC	757	71.1	838	70.3	2.6	833	■	826	16	1.9	9,984	62.7
Waterbury, CT	108	10.1	103	11.6	8.7	103	■	102	173	.9	3,577	28.6
Wichita, KS	277	9.7	280	10.8	3.5	290	284	289	51	3.2	2,575	112.2
Winston-Salem, NC	134	34.3	132	40.2	.8	145	148	148	113	12.3	2,134	■
Worcester, MA	177	1.9	182	2.9	4.3	181	180	158	105	-2.5	4,218	37.4
Yonkers, NY	204	6.4	195	10.5	8.7	192	191	186	62	4.7	10,166	18.3
Youngstown, OH	141	25.2	116	33.3	3.3	111	■	105	■	9.4	3,034	34.5

X Not applicable. Z Less than .05 percent. ¹ Population totals include corrections made after tabulations were completed. ² Based on uncorrected tabulated data. ³ Hispanic persons may be of any race. ⁴ As of December 31. Reflects estimates of areas annexed or detached since January 1, 1980 as provided by the municipalities. The Bureau of the Census cannot verify, and is not responsible for the accuracy of these data. ⁵ Anchorage city consolidated with Anchorage Borough September 15, 1975. ⁶ Columbus and the unincorporated balance of Muscogee County consolidated on January 1, 1971. ⁷ Data represent the census designated place of Honolulu, as delineated by the State of Hawaii. ⁸ Lexington and Fayette County consolidated January 1, 1974.

Source: U.S. Bureau of the Census, *Census of Population, 1970*, vol. 1, chapters A and B; *1980 Census of Population*, vol. 1, chapters A and B; press release (CB 87-186) (revised 11-04-87) and unpublished data.

NO. 40. POPULATION 65 YEARS OLD AND OVER, AND SOCIETAL SUPPORT RATIOS: 1960 TO 1987

[In millions, except as indicated. As of July. Includes Armed Forces overseas. The support ratio is the number of older persons of a specified age per 100 persons defined by age or work status]

AGE GROUP	1960	1970	1980	1987	SUPPORT RATIO	1960	1970	1980
Persons 65 years and over	16.7	20.1	25.7	28.8	Persons, 65 years old and over, per 100 persons, 18-64 years old	17	17	19
Percent of all ages	9.2	9.8	11.9	12.2	Persons, 80 years old and over, per 100 persons, 20-59 years old	27	29	30
65-69 years	6.2	7.0	8.8	9.9	Nonworkers, 65 years old and over, per 100 workers, 18-64 years old ¹	21	22	23
70-74 years	4.8	5.5	6.8	7.6	Nonworkers, 80 years old and over, per 100 workers, 20-59 years old ¹	28	30	31
75-79 years	3.1	3.9	4.8	5.5				
80-84 years	1.6	2.3	3.0	3.5				
85 years and over	.9	1.4	2.3	2.9				

¹ Nonworkers are persons not in labor force and workers are persons in civilian labor force. Labor force data are no averages based on the Current Population Survey; see text, section 1. Data from U.S. Bureau of Labor Statistics.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 1022 and earlier reports; and unpubl. data.

NO. 41. PERSONS 65 YEARS OLD AND OVER—CHARACTERISTICS, BY SEX: 1960 TO 1987

CHARACTERISTIC	MALE					FEMALE				
	1960	1970	1980	1986	1987	1960	1970	1980	1986	1
Total ^{1,2} (million)	7.5	8.3	9.9	11.8	12.1	9.8	11.6	14.2	16.8	
Percent of total population	8.6	8.5	9.2	9.7	10.2	9.9	11.1	12.4	13.1	
White ¹ (million)	6.9	7.6	9.0	9.9	10.9	8.4	10.6	12.9	14.3	
Black ¹ (million)	.5	.7	.9	.9	1.0	.6	.9	1.2	1.3	
Age: ³										
65-69 years (percent)	3.3	3.2	3.5	3.7	3.8	3.7	3.7	4.2	4.2	
70-74 years (percent)	2.5	2.3	2.8	2.8	2.8	2.8	3.0	3.4	3.8	
75-79 years (percent)	1.6	1.6	1.7	1.9	1.9	1.9	2.2	2.5	2.7	
80 years and over (percent)	1.2	1.4	1.8	1.7	1.7	1.6	2.3	3.0	3.4	
Percent below poverty level: ⁴										
Family householders	29.7	18.6	8.4	6.0	6.1	31.5	23.5	13.0	13.0	
Unrelated individuals	59.5	40.0	25.3	20.8	19.6	69.1	49.9	30.5	25.9	
PERCENT DISTRIBUTION										
Marital status: ¹										
Single	7.3	7.5	4.9	6.3	4.5	8.5	7.7	5.9	5.1	
Married	71.7	73.1	78.0	77.2	77.1	36.8	35.6	39.5	39.9	
Spouse present	66.0	66.9	78.1	75.0	74.9	35.0	33.9	37.9	38.3	
Spouse absent	2.7	3.2	1.9	2.2	2.2	1.8	1.7	1.7	1.8	
Widowed	19.4	17.1	13.5	13.3	14.0	53.1	54.4	51.2	50.7	
Divorced	1.7	2.3	2.8	2.7	4.3	1.5	2.3	3.4	4.3	
Family status: ¹										
In families	82.3	78.2	83.0	82.4	81.9	67.7	56.5	58.6	68.7	
Nonfamily householders	12.8	14.9	15.7	15.4	18.6	29.8	35.2	42.0	42.1	
Secondary individuals	2.4	2.4	1.3	2.2	1.5	3.0	1.9	1.1	1.1	
Residents of institutions ¹	2.5	3.6	(NA)	(NA)	(NA)	2.4	4.4	(NA)	(NA)	
Living arrangements: ¹										
Living in household	97.4	96.6	99.9	90.5	98.7	97.0	95.0	99.7	99.6	
Living alone	(NA)	14.1	14.9	14.7	15.6	(NA)	33.8	41.0	41.1	
Spouse present	73.2	69.9	75.1	75.0	74.9	36.9	33.9	37.9	38.3	
Living with someone else	(NA)	11.5	8.9	9.8	9.2	(NA)	27.4	20.8	20.2	
Not in household ^{1,7}	2.6	4.5	.1	.5	.3	3.0	5.0	.3	.4	
Years of school completed:										
8 years or less	72.5	61.5	48.3	37.2	34.4	66.4	56.1	41.6	34.1	
1-3 years of high school	10.4	12.8	15.5	15.7	14.8	12.8	13.9	18.7	17.0	
4 years of high school	7.8	12.5	21.4	26.4	27.7	11.6	16.1	25.8	30.7	
1-3 years of college	4.9	5.8	7.5	9.1	10.4	6.1	6.7	6.6	10.3	
4 years or more of college	4.3	7.9	10.3	11.5	12.8	3.2	5.2	7.4	8.0	
Labor force participation: ⁸										
Employed	31.7	25.9	18.4	15.3	15.9	10.5	9.4	7.8	7.6	
Unemployed	1.4	.9	.6	.5	.4	.3	.3	.3	.2	
Not in labor force	66.9	73.2	81.0	84.2	83.7	89.2	90.3	91.9	92.7	

NA Not available ¹ Civilian population as of March. Beginning 1980, excludes institutional population. ² Includes races, not shown separately. ³ Estimated total resident population as of July 1. ⁴ Poverty status based on inc. preceding year. ⁵ Excludes those living in unrelated subfamilies. ⁶ Includes a small number of "spouse present" in quarters. ⁷ In institutions (1960 and 1970) and other group quarters. ⁸ Annual averages of monthly figures. Source: Bureau of Labor Statistics, *Employment and Earnings*, monthly.

Source: Except as noted, U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 423 and earlier series P-23, Nos. 57 and 58; series P-25, No. 1022; and series P-60, No. 160 and earlier reports; and unpubl. data.

No. 42. PERSONS 65 YEARS OLD AND OVER—FAMILY CHARACTERISTICS BY LIVING ARRANGEMENTS: 1984

[In percent, except as indicated. Covers persons 65 years old and over who were living in communities outside of nursing homes or other institutions (civilian noninstitutionalized population). Based on a supplement to the National Health Interview Survey; see Appendix III. See also tables 43, 185, 186, and 606]

ITEM	Total	LIVING—		ITEM	Total	LIVING—	
		Alone	With others			Alone	With others
Total (1,000)	26,433	8,397	18,036	Number of living siblings:			
PERCENT DISTRIBUTION				None	20.6	25.0	16.5
Total	100.0	100.0	100.0	One	21.5	23.6	20.6
Number of living children:				Two	16.7	16.7	19.6
None	18.7	26.9	15.0	Three	13.8	12.5	14.4
One	17.7	19.3	17.0	Four or more	25.4	22.2	26.9
Two	24.7	22.6	25.6	Living children or siblings:			
Three	15.4	13.5	16.4	Neither	4.6	7.8	3.2
Four or more	23.4	17.7	26.1	Children only	15.9	17.2	15.3
				Siblings only	14.1	19.1	11.8
				Both	65.3	55.9	69.7

Source: U.S. National Center for Health Statistics, unpublished data from Supplement on Aging to 1984 National Health Interview Survey.

No. 43. PERSONS 65 YEARS OLD AND OVER WITH CHILDREN WHO DO NOT LIVE IN THE SAME HOUSEHOLD—CONTACTS: 1984

[In percent, except as indicated. Covers persons 65 years old and over who were living in communities outside of nursing homes or other institutions (civilian noninstitutionalized population). Excludes 4 million persons 65 years old and over living with their children. Based on a supplement to the National Health Interview Survey; see Appendix III. See also tables 42, 185, 186, and 606]

FREQUENCY OF CONTACT	Total	AGE GROUP				LIVING—	
		65-74 years old	75 years old and over	75-84 years old	85 years old and over	Alone	With others
Total (1,000)	17,526	11,394	6,243	5,234	1,009	6,142	11,384
PERCENT DISTRIBUTION							
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Frequency of seeing or talking with child:							
Daily	41.4	39.8	44.3	42.6	53.2	44.5	39.8
2 or more times per week	21.3	22.6	19.1	19.2	18.5	20.7	21.6
Weekly	20.2	20.1	20.3	21.5	14.2	16.3	21.2
2 or more times per month	6.6	6.8	6.2	6.3	5.9	5.4	7.2
Monthly	5.0	5.2	4.6	5.0	2.9	4.7	5.1
Less than monthly ¹	5.5	5.6	5.4	5.5	5.3	6.3	5.1
Frequency of seeing child:							
Daily	22.6	21.5	24.6	23.7	29.5	24.0	21.8
2 or more times per week	17.7	17.7	17.7	17.1	20.9	19.9	18.5
Weekly	21.3	21.5	21.0	21.0	21.3	20.2	21.9
2 or more times per month	8.0	8.5	7.1	7.3	6.1	7.7	8.2
Monthly	7.9	7.6	8.5	8.9	6.5	7.5	8.2
Less than monthly ¹	22.4	23.2	21.0	22.1	15.8	20.7	23.3
Frequency of talking with child:							
Daily	33.5	32.6	35.2	33.8	42.5	36.4	32.0
2 or more times per week	20.9	22.1	16.7	18.9	17.7	20.2	21.3
Weekly	21.9	21.8	22.2	23.4	15.7	20.1	23.0
2 or more times per month	7.8	8.0	7.4	7.5	6.7	8.3	6.5
Monthly	6.8	7.3	5.9	6.5	2.9	6.0	7.3
Less than monthly ¹	9.1	8.2	10.5	9.8	14.4	11.1	7.9
Time for child to get to parent:							
Within 10 minutes	25.6	24.6	27.2	26.8	29.6	26.2	25.2
10-29 minutes	26.6	26.5	26.6	27.8	32.9	30.5	27.5
30-59 minutes	11.6	11.8	11.3	10.9	13.3	12.2	11.3
1-2 hours	13.2	13.7	12.2	13.0	8.6	12.4	13.7
3-23 hours	13.8	14.0	13.4	14.2	9.3	12.5	14.4
More than a day ¹	7.3	7.3	7.1	7.3	6.3	6.3	7.8

¹ Includes unknown and other responses, not shown separately.

Source: U.S. National Center for Health Statistics, unpublished data from Supplement on Aging to 1984 National Health Interview Survey.

No. 40. POPULATION 65 YEARS OLD AND OVER, AND SOCIETAL SUPPORT RATIOS: 1960 TO 1987

[In millions, except as indicated. As of July. Includes Armed Forces overseas. The support ratio is the number of older persons of a specified age per 100 persons defined by age or work status]

AGE GROUP	1960	1970	1980	1987	SUPPORT RATIO	1960	1970	1980
Persons 65 years and over	16.7	20.1	25.7	29.8	Persons, 65 years old and over per 100 persons, 18-64 years old	17	17	16
Percent of all ages	9.2	9.8	11.3	12.2	Persons, 60 years old and over per 100 persons, 20-59 years old	27	29	30
65-69 years	6.3	7.0	8.8	9.9	Nonworkers, 65 years old and over, per 100 workers, 18-64 years old ¹	21	22	23
70-74 years	4.6	5.5	6.8	7.8	Nonworkers, 60 years old and over per 100 workers, 20-59 years old ¹	28	30	31
75-79 years	3.1	3.9	4.8	5.8				
80-84 years	1.6	2.3	3.0	3.5				
85 years and over	.9	1.4	2.3	2.9				

¹ Nonworkers are persons not in labor force and workers are persons in civilian labor force. Labor force data are not averages based on the Current Population Survey; see text, section 1. Data from U.S. Bureau of Labor Statistics.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 1022 and earlier reports, and unpubl. data.

No. 41. PERSONS 65 YEARS OLD AND OVER—CHARACTERISTICS, BY SEX: 1960 TO 1987

CHARACTERISTIC	MALE					FEMALE			
	1960	1970	1980	1985	1987	1960	1970	1980	1985
Total ^{1,2} (million)	7.6	8.3	9.9	11.0	12.1	9.8	11.5	14.2	15.6
Percent of total population	6.6	6.5	9.2	9.7	10.2	9.9	11.1	12.4	13.1
White ¹ (million)	6.8	7.6	9.0	9.9	10.9	8.4	10.6	12.9	14.3
Black ¹ (million)	.5	.7	.8	.9	1.0	.6	.9	1.2	1.3
Age: ³									
65-69 years (percent)	3.3	3.2	3.5	3.7	3.8	3.7	3.7	4.2	4.2
70-74 years (percent)	2.5	2.3	2.6	2.8	2.8	2.8	3.0	3.4	3.6
75-79 years (percent)	1.6	1.6	1.7	1.9	1.9	1.9	2.2	2.5	2.7
80 years and over (percent)	1.2	1.4	1.6	1.7	1.7	1.6	2.3	3.0	3.4
Percent below poverty level: ⁴									
Family householders	29.7	16.6	8.4	6.0	6.1	31.5	23.5	13.0	13.0
Unrelated individuals	58.5	40.0	25.3	20.8	19.6	69.1	49.9	30.5	25.9
PERCENT DISTRIBUTION									
Marital status: ¹									
Single	7.3	7.5	4.9	5.3	4.5	8.5	7.7	5.9	5.1
Married	71.7	73.1	78.0	77.2	77.1	36.6	35.6	39.5	39.9
Spouse present	69.0	69.9	76.1	75.0	74.9	35.0	33.9	37.9	36.3
Spouse absent	2.7	3.2	1.9	2.2	2.2	1.8	1.7	1.7	1.6
Widowed	19.4	17.1	13.5	13.8	14.0	53.1	54.4	51.2	50.7
Divorced	1.7	2.3	3.6	3.7	4.3	1.5	2.3	3.4	4.3
Family status: ¹									
In families	82.3	79.2	83.0	82.4	81.9	67.7	56.5	56.8	56.7
Nonfamily householders	12.8	14.9	15.7	15.4	18.6	26.8	35.2	42.0	42.1
Secondary individuals	2.4	2.4	1.3	2.2	1.6	3.0	1.9	1.1	1.1
Residents of institutions ¹	2.5	3.6	(NA)	(NA)	(NA)	2.4	4.4	(NA)	(NA)
Living arrangements: ¹									
Living in household	97.4	96.5	99.9	99.5	99.7	97.0	95.0	99.7	99.6
Living alone	(NA)	14.1	14.9	14.7	15.6	(NA)	33.8	41.0	41.1
Spouse present	73.2	69.9	76.1	75.0	74.9	36.9	33.9	37.9	36.3
Living with someone else	(NA)	11.5	6.9	9.8	9.2	(NA)	27.4	20.8	20.2
Not in household ^{1,2}	2.6	4.5	1	.5	3	3.0	5.0	3	.4
Years of school completed:									
8 years or less	72.5	61.5	45.3	37.2	34.4	66.4	56.1	41.8	34.1
1-3 years of high school	10.4	12.6	15.5	15.7	14.8	12.8	13.9	16.7	17.0
4 years of high school	7.8	12.5	21.4	26.4	27.7	11.6	18.1	25.8	30.7
1-3 years of college	4.9	5.6	7.5	9.1	10.4	6.1	6.7	8.8	10.3
4 years or more of college	4.3	7.9	10.3	11.5	12.6	3.2	5.2	7.4	8.0
Labor force participation: ⁵									
Employed	31.7	25.9	18.4	15.3	15.9	10.5	9.4	7.8	7.0
Unemployed	1.4	.9	.8	.5	.4	.3	.3	.3	.2
Not in labor force	66.9	73.2	81.0	84.2	83.7	89.2	90.3	91.9	92.7

NA Not available. ¹ Civilian population as of March. Beginning 1985 includes institutional population. ² Includes c. races not shown separately. ³ Estimated total resident population as of July 1. ⁴ Poverty status based on income preceding year. ⁵ Excludes those living in unrelated subfamilies. ⁶ Includes a small number of "spouse present" in quarters. ⁷ In institutions (1960 and 1970) and other group quarters. ⁸ Annual averages of monthly figures. Source: Bureau of Labor Statistics, *Employment and Earnings*, monthly.

Source: Except as noted, U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 423 and earlier reports; series P-23 Nos. 57 and 59; series P-25, No. 1022; and series P-60, No. 150 and earlier reports, and unpublished c.

NO. 42. PERSONS 65 YEARS OLD AND OVER—FAMILY CHARACTERISTICS BY LIVING ARRANGEMENTS: 1984

(In percent, except as indicated. Covers persons 65 years old and over who were living in communities outside of nursing homes or other institutions (civilian noninstitutionalized population). Based on a supplement to the National Health Interview Survey; see Appendix III. See also tables 43, 185, 186, and 606.)

ITEM	Total	LIVING—		ITEM	Total	LIVING—	
		Alone	With others			Alone	With others
Total (1,000)	26,433	8,387	18,036	Number of living siblings:			
PERCENT DISTRIBUTION				None	20.6	25.0	18.5
Total	100.0	100.0	100.0	One	21.5	23.8	20.8
Number of living children:				Two	18.7	18.7	18.6
None	18.7	26.9	15.0	Three	13.8	12.5	14.4
One	17.7	19.3	17.0	Four or more	25.4	22.2	26.9
Two	24.7	22.6	25.6	Living children or siblings:			
Three	15.4	13.5	18.4	Neither	4.8	7.8	3.2
Four or more	23.4	17.7	28.1	Children only	15.9	17.2	15.3
				Siblings only	14.1	19.1	11.8
				Both	85.3	85.9	89.7

Source: U.S. National Center for Health Statistics, unpublished data from Supplement on Aging to 1984 National Health Interview Survey.

NO. 43. PERSONS 65 YEARS OLD AND OVER WITH CHILDREN WHO DO NOT LIVE IN THE SAME HOUSEHOLD—CONTACTS: 1984

(In percent, except as indicated. Covers persons 65 years old and over who were living in communities outside of nursing homes or other institutions (civilian noninstitutionalized population). Excludes 4 million persons 65 years old and over living with their children. Based on a supplement to the National Health Interview Survey; see Appendix III. See also tables 42, 185, 186, and 606.)

FREQUENCY OF CONTACT	Total	AGE GROUP				LIVING—	
		65-74 years old	75 years old and over	75-84 years old	85 years old and over	Alone	With others
Total (1,000)	17,836	11,884	6,243	5,234	1,989	6,142	11,394
PERCENT DISTRIBUTION							
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Frequency of seeing or talking with child:							
Daily	41.4	39.8	44.3	42.8	53.2	44.5	39.8
2 or more times per week	21.3	22.6	19.1	19.2	18.5	20.7	21.6
Weekly	20.2	20.1	20.3	21.5	14.2	18.3	21.2
2 or more times per month	8.6	8.6	6.2	6.3	5.9	5.4	7.2
Monthly	5.0	5.2	4.6	5.0	2.9	4.7	5.1
Less than monthly ¹	5.5	5.6	5.4	5.5	5.3	6.3	5.1
Frequency of seeing child:							
Daily	22.6	21.5	24.6	23.7	29.5	24.0	21.6
2 or more times per week	17.7	17.7	17.7	17.1	20.9	19.9	16.5
Weekly	21.3	21.5	21.0	21.0	21.3	20.2	21.9
2 or more times per month	8.0	8.5	7.1	7.3	6.1	7.7	6.2
Monthly	7.9	7.8	8.5	8.9	6.5	7.5	6.2
Less than monthly ¹	22.4	23.2	21.0	22.1	15.8	20.7	23.3
Frequency of talking with child:							
Daily	33.5	32.6	35.2	33.6	42.5	38.4	32.0
2 or more times per week	20.9	22.1	18.7	18.9	17.7	20.2	21.9
Weekly	21.9	21.9	22.2	23.4	15.7	20.1	23.0
2 or more times per month	7.8	8.0	7.4	7.5	6.7	6.3	8.5
Monthly	6.6	7.3	5.9	6.5	2.9	6.0	7.3
Less than monthly ¹	9.1	8.2	10.5	9.8	14.4	11.1	7.9
Time for child to get to parent:							
Within 10 minutes	25.6	24.6	27.2	26.6	29.8	26.2	25.2
10-29 minutes	26.6	26.5	26.6	27.8	32.9	30.5	27.5
30-59 minutes	11.8	11.8	11.3	10.9	13.3	12.2	11.3
1-2 hours	13.2	13.7	12.2	13.0	8.6	12.4	13.7
3-23 hours	13.8	14.0	13.4	14.2	9.3	12.5	14.4
More than a day ¹	7.3	7.9	7.1	7.3	6.3	6.3	7.8

¹ Includes unknown and other responses, not shown separately.

Source: U.S. National Center for Health Statistics, unpublished data from Supplement on Aging to 1984 National Health Interview Survey.

NO. 44. SOCIAL AND ECONOMIC CHARACTERISTICS OF THE WHITE, BLACK, AND HISPANIC POPULATIONS: 1987

[As of March, except labor force status, annual average. Excludes members of Armed Forces except those living off post with their families on post. Based on Current Population Survey; see text, section 1, and Appendix III]

CHARACTERISTIC	NUMBER (1,000)						PERCENT DISTRIBUTION					
	Total population ¹	White	Black	Hispanic ²			Total population ¹	White	Black	Hispanic ²		
				Total ³	Mexican ⁴	Puerto Rican				Total ³	Mexican	Puerto Rican
Total persons	236,786	202,453	28,930	18,789	11,762	2,364	100.0	100.0	100.0	100.0	100.0	1
Under 5 years old	16,130	14,798	2,728	1,895	1,341	288	7.6	7.3	9.4	10.8	11.4	
5-14 years old	33,972	27,441	5,283	3,891	2,553	482	14.2	13.6	18.3	19.8	21.7	
15-44 years old	113,811	95,892	14,087	9,705	6,008	1,176	47.7	47.4	48.7	51.8	51.1	
45-64 years old	44,901	39,149	4,501	2,493	1,373	280	18.8	18.3	15.8	13.3	11.7	
65 years old and over	27,975	25,173	2,331	906	491	81	11.7	12.4	8.1	4.8	4.2	
YEARS OF SCHOOL COMPLETED												
Persons 25 years old and over	146,144	128,170	15,589	9,449	5,499	1,186	100.0	100.0	100.0	100.0	100.0	1
Elementary 0-8 years	18,941	15,478	2,863	3,330	2,226	319	12.7	12.0	18.4	35.2	40.8	
High school 1-3 years	17,417	14,233	2,835	1,310	805	183	11.7	11.0	18.2	13.9	14.7	
4 years	57,689	50,690	5,773	2,742	1,496	347	39.7	39.2	37.1	29.0	27.3	
College 1-3 years	25,479	22,265	2,442	1,257	642	180	17.1	17.2	15.7	13.3	11.7	
4 years or more	29,837	26,505	3,089	810	320	88	19.9	20.5	10.7	8.6	5.6	
LABOR FORCE STATUS												
Civilians 16 years old and over	182,753	158,968	20,362	12,887	7,861	1,546	100.0	100.0	100.0	100.0	100.0	1
Civilian labor force	119,885	103,290	12,993	8,541	5,203	827	65.6	65.8	63.8	66.4	68.0	
Employed	112,440	97,789	11,309	7,790	4,690	744	61.5	62.3	56.6	60.5	61.3	
Unemployed	7,425	5,501	1,684	751	514	83	4.1	3.5	8.3	5.8	6.7	
Unemployment rate ⁴	8.2	5.3	13.0	8.8	9.8	10.1	(x)	(x)	(x)	(x)	(x)	
Not in labor force	62,868	53,699	7,399	4,327	2,448	713	34.4	34.2	36.2	33.6	32.0	
FAMILY TYPE												
Total families	84,481	68,678	7,886	4,403	2,811	883	100.0	100.0	100.0	100.0	100.0	1
With own children ⁵	31,886	26,717	4,184	2,859	1,799	432	49.5	48.0	59.0	64.9	67.8	
Married couple	51,537	46,410	3,742	3,118	1,962	314	79.9	83.4	52.7	70.8	74.8	
With own children ⁵	24,645	21,767	2,023	2,034	1,359	214	36.2	39.1	26.5	46.2	52.0	
Female householder, no spouse present	10,445	7,227	2,967	1,032	502	257	16.2	13.0	41.8	23.4	19.2	
With own children ⁵	8,297	4,141	2,025	729	347	209	9.8	7.4	29.5	16.6	13.3	
Male householder, no spouse present	2,610	2,038	366	253	157	22	3.9	3.7	5.4	5.7	8.0	
With own children ⁵	965	789	139	98	83	9	1.5	1.4	1.9	2.2	2.4	
FAMILY INCOME, 1986												
Total families	84,481	68,678	7,886	4,403	2,811	883	100.0	100.0	100.0	100.0	100.0	1
Less than \$5,000	3,006	1,847	894	381	208	105	4.7	3.5	14.0	8.7	8.0	
\$5,000-\$9,999	5,022	3,747	1,148	643	365	118	7.8	6.7	16.1	14.6	14.0	
\$10,000-\$14,999	8,232	5,047	977	688	441	81	9.7	8.1	13.8	15.2	16.6	
\$15,000-\$24,999	12,813	10,675	1,435	985	629	110	19.6	19.5	20.2	22.4	24.1	
\$25,000-\$34,999	11,854	10,332	1,043	727	432	80	18.1	18.6	14.7	18.5	18.5	
\$35,000-\$49,999	12,632	11,461	878	550	323	58	18.6	20.6	12.4	12.5	12.4	
\$50,000 or more	13,328	12,267	624	450	212	44	20.7	22.0	8.8	10.2	6.1	
Median income (dol) ⁶	29,458	30,809	28,888	19,906	19,326	14,584	(x)	(x)	(x)	(x)	(x)	
Persons below poverty level ⁷	32,370	22,183	8,983	5,117	3,333	895	13.6	11.0	31.1	27.3	28.4	
HOUSING TENURE												
Total occupied units	68,479	77,284	8,822	5,418	(NA)	(NA)	100.0	100.0	100.0	100.0	(NA)	
Owner-occupied	57,258	51,857	4,506	2,198	(NA)	(NA)	84.0	66.8	45.4	40.8	(NA)	
Renter-occupied	30,687	24,289	5,245	3,098	(NA)	(NA)	34.3	31.4	52.9	57.2	(NA)	
No cash rent	1,534	1,338	172	123	(NA)	(NA)	1.7	1.7	1.7	2.3	(NA)	

NA Not available. X Not applicable. ¹ Includes other races and persons not of Hispanic origin, not shown separately. ² Hispanic persons may be of any race. ³ Includes other Hispanic subgroups not shown separately. ⁴ Total unemployed as percent of civilian labor force. ⁵ Children under 18 years old. ⁶ For definition of median, see Guide to Table Presentation. ⁷ For explanation of poverty level, see text, section 14.

Source: U.S. Bureau of the Census, *Current Population Reports*, P-80, No. 159 and P-20, No. 416. Labor force data published by U.S. Bureau of Labor Statistics, *Employment and Earnings*, January 1988.

No. 45. SOCIAL AND ECONOMIC CHARACTERISTICS OF THE ASIAN, PACIFIC ISLANDER, AMERICAN INDIAN, ESKIMO AND ALEUT POPULATIONS: 1980

[In percent, except as indicated. As of April 1. Based on a sample from the 1980 Census of Population; see text, section 1, and Appendix III]

CHARACTERISTIC	Total population ¹	ASIAN AND PACIFIC ISLANDER											AMERICAN INDIAN, ESKIMO, AND ALEUT		
		Total	Asian						Pacific Islander						
			Total ²	Chinese	Filipino	Japanese	Asian Indian	Korean	Vietnamese	Total ³	Hawaiian	Guamanian	Samoan		
Total (1,000)	228,546	3,726	3,467	812	762	716	367	367	245	260	172	31	40	1,534	1,479
Age:															
Under 5 years old	7.2	6.6	8.4	7.1	9.0	5.2	11.1	10.6	10.0	10.8	10.0	9.1	14.1	10.1	10.1
5-14 years old	15.4	16.8	16.5	14.0	13.1	11.3	18.0	21.7	24.8	20.4	19.2	19.9	25.7	20.8	20.8
15-24 years old	18.7	17.3	16.9	17.9	15.9	17.4	11.3	15.8	23.2	23.1	22.5	26.8	22.5	22.4	22.3
25-34 years old	16.4	21.5	21.8	23.0	20.9	18.9	25.5	21.0	21.6	17.4	16.4	21.7	16.9	16.9	16.9
35-44 years old	11.3	14.2	14.4	12.9	15.5	12.5	18.1	18.0	10.4	11.3	11.7	10.5	10.4	11.1	11.1
45-64 years old	19.7	15.7	15.9	18.1	13.5	27.0	10.1	10.5	8.0	12.8	14.7	9.7	3.4	13.5	13.5
65-74 years old	6.9	3.8	6.1	4.8	5.2	4.2	3.9	1.8	1.4	4.4	3.7	1.8	1.3	3.4	3.4
75 years old and over	4.4	2.1		2.3	2.0	3.1	4.1	.6	.5		1.9	.8	.7	1.8	1.8
Percent foreign born	8.2	58.8	62.1	63.3	64.7	28.4	70.4	81.9	90.5	11.8	1.8	9.5	35.6	2.5	2.5
Years of school completed:															
Persons 25 years old and over (1,000)	132,836	2,137	2,018	485	446	473	239	185	103	119	83	14	15	715	691
Less than 5 years of school	3.6	8.4	(NA)	10.3	7.0	2.3	3.1	4.0	10.3	(NA)	3.2	4.9	5.9	8.4	6.1
4 years of high school or more	68.5	74.8	75.3	71.3	74.2	81.8	90.1	78.1	62.2	67.2	83.4	67.9	61.2	55.5	55.8
4 or more years of college	16.2	32.9	34.3	38.6	37.0	28.4	51.9	33.7	12.9	9.3	9.8	8.2	7.3	7.7	7.7
Labor force status:															
Civilian labor force (1,000)	104,450	1,773	1,687	415	390	395	181	149	83	105	74	13	12	584	567
Percent unemployed ⁴	8.5	4.7	4.6	3.6	4.8	3.0	5.8	5.7	8.2	7.3	7.0	6.8	9.7	13.2	13.0
Family type and size:															
Total families (1,000)	59,190	618	765	192	168	168	98	67	42	53	36	7	7	341	331
Married couple	82.8	84.4	85.1	88.8	83.6	84.1	91.0	86.0	72.8	75.4	73.2	79.6	78.0	71.8	71.9
Female householder, no spouse present	13.9	10.6	10.2	8.5	11.8	11.9	5.7	10.8	14.8	19.4	21.3	14.7	18.2	22.7	22.7
Male householder, no spouse present	3.4	4.6	4.7	4.7	4.8	4.0	3.4	3.2	12.4	5.2	5.5	5.8	3.8	5.5	5.4
Average size of family ⁵	3.27	3.98	3.98	3.65	4.20	3.59	3.45	4.86	5.18	4.25	4.10	3.94	5.16	3.83	3.82
Family income, 1978:															
Median income (dol.) ⁶	19,917	22,713	23,095	22,559	23,687	27,354	24,993	20,459	12,840	17,984	19,196	18,218	14,242	13,724	13,578
Families below poverty level (1,000) ⁷	5,670	87	79	20	10	7	7	9	15	8	5	1	2	81	79
Percent below poverty level	9.6	10.7	10.3	10.5	8.2	4.2	7.4	13.1	36.1	18.1	14.3	11.6	27.5	23.7	23.7

NA Not available. ¹Includes other races, not shown separately. ²Includes all other Asians not shown separately. ³Includes all other Pacific Islanders not shown separately. ⁴Total unemployment as percent of civilian labor force. ⁵Refers only to Asian and Pacific Islander persons in primary families with an Asian and Pacific Islander householder. ⁶For definition of median, see Guide to Tabular Presentation. ⁷For explanation of poverty level, see text, section 14.

Sources: U.S. Bureau of the Census, 1980 Census of Population, vol. 1, chapter C (PC80-1-C) and vol. 2, chapter 1E (PC80-2-1E).

NO. 46. NATIVE AND FOREIGN-BORN POPULATION, BY PLACE OF BIRTH: 1920 TO 1980

[In thousands, except percent. 1950 based on 20-percent sample; 1960 on 25-percent sample; 1970 on 15-percent sample. 1980 data are based on a sample from the 1980 census; see text, section 1. See source for sampling variability. See also *Historical Statistics, Colonial Times to 1970*, series C 1-10]

YEAR	Total population	NATIVE POPULATION							FOREIGN-BORN	
		Total	Born in State of residence	Born in other States		State of birth not reported	Born in outlying areas ¹	Born abroad or at sea of American parents	Number	Per-cent of total population
				Num-ber	Per-cent of native popu-lation					
1920	106,022	² 92,001	71,071	20,274	22.1	314	38	93	14,020	13.2
1930	123,203	² 108,919	82,678	25,388	23.4	238	138	131	14,283	11.6
1940	132,165	² 120,508	92,610	28,908	22.4	280	157	122	11,657	8.8
1950	150,845	² 140,413	102,788	35,284	25.2	1,370	330	96	10,431	6.9
1960	179,326	160,588	119,293	44,691	26.4	4,541	660	402	9,738	5.4
1970	203,210	193,591	131,718	50,639	26.2	8,973	691	1,370	9,619	4.7
1980	226,546	212,466	144,871	66,452	30.8	(²)	1,068	1,055	14,080	6.2

¹ 1920-1950, includes Alaska and Hawaii. Includes Puerto Rico. ² Includes some persons born abroad of American parents, not shown separately. ³ Place of birth was allocated to those who did not report.
Source: U.S. Bureau of the Census, *U.S. Census of Population: 1980*, vol. II, part 2A; 1970, vol. I, parts C and D; 1960 *Census of Population*, vol. 1, chapter C (PC80-1-C) and chapter D (PC80-1-D).

NO. 47. FOREIGN-BORN POPULATION BY COUNTRY OF BIRTH—SELECTED CHARACTERISTICS: 1980

[In percent, except as indicated. As of April 1. Based on a sample and subject to sampling variability, see text, section 1, and Appendix III]

COUNTRY OF BIRTH	Foreign-born persons (1,000)	YEAR OF IMMIGRATION				Not a citizen	EDUCATION ¹		OCCUPATION OF EMPLOYED PERSONS ³	
		1975-1980	1970-1974	1960-1980	Before 1960		High school graduates	College graduates ²	Professional specialty	Service occupations
Total ⁴	14,079.9	23.7	15.8	22.3	36.2	46.5	53.1	15.8	12.0	16.1
Europe ⁴	4,743.3	6.1	7.5	19.1	65.2	27.7	51.4	12.3	12.5	14.7
Austria	145.6	2.7	1.8	7.6	87.9	13.0	50.2	15.1	19.8	11.6
Czechoslovakia	112.7	3.3	4.3	15.0	77.4	12.6	47.7	14.7	16.0	12.3
England	442.5	14.3	7.6	22.0	56.1	42.0	74.6	16.4	17.4	12.2
France	120.2	13.9	7.2	23.9	55.0	35.9	74.3	22.8	17.2	17.9
Germany	849.4	6.2	4.4	20.6	68.8	21.4	67.3	14.9	13.4	14.1
Greece	211.0	12.9	19.1	27.7	40.3	35.0	40.4	9.5	8.0	25.0
Hungary	144.4	3.8	4.5	10.8	81.0	14.0	53.4	16.6	17.3	10.3
Ireland	197.8	3.7	3.6	14.5	78.1	18.8	52.1	8.8	14.5	21.7
Italy	831.9	4.0	8.1	18.2	69.8	22.6	28.6	5.3	6.1	16.3
Netherlands	103.1	8.3	4.4	21.2	66.1	31.8	67.6	20.3	15.7	11.1
Norway	63.4	6.0	2.3	9.5	82.2	22.2	48.6	11.8	16.4	11.9
Poland	418.1	6.0	5.0	14.5	74.5	22.2	40.5	10.0	10.6	13.5
Portugal ⁵	211.6	21.7	23.3	34.0	21.0	81.6	22.3	3.3	2.3	10.0
Romania	67.0	17.0	10.2	16.8	56.0	28.6	53.2	19.0	18.6	12.3
Scotland	142.0	5.9	4.2	17.6	72.2	28.6	68.0	9.8	12.1	14.2
Spain	73.7	17.0	17.9	34.4	30.6	50.9	46.9	12.7	14.1	18.4
Sweden	77.2	7.9	2.8	8.8	60.5	23.2	48.0	11.9	19.0	12.6
Yugoslavia	153.0	7.4	16.2	23.9	52.5	32.4	41.1	10.2	8.4	18.1
Soviet Union	406.0	21.1	3.2	5.3	70.4	27.4	47.2	15.7	15.9	13.2
Asia ⁴	2,539.8	47.0	22.4	18.1	12.5	65.2	73.0	35.9	20.3	16.2
China: Mainland	266.1	27.2	20.3	27.3	25.2	49.7	60.0	29.5	16.8	24.4
Taiwan	75.4	54.6	26.5	17.0	1.9	71.1	89.1	59.8	30.4	13.7
Hong Kong	80.4	34.9	27.6	30.9	6.6	61.7	80.3	42.7	19.1	18.6
India	206.1	43.7	33.1	19.3	3.9	76.0	88.9	66.2	42.8	5.3
Iran	121.5	71.9	12.7	9.7	5.7	85.4	87.1	42.8	25.9	14.4
Israel	67.0	34.1	18.9	25.0	22.0	48.2	78.8	34.9	24.9	6.8
Japan	221.8	31.6	13.6	22.7	32.1	56.7	78.0	24.4	13.6	20.8
Korea	269.9	52.3	31.6	13.0	3.1	65.4	77.8	34.2	14.7	17.0
Philippines	501.4	34.4	29.2	22.6	13.8	55.3	74.0	41.8	20.1	16.2
Vietnam	231.1	90.5	7.1	2.1	.2	88.9	62.1	12.9	8.6	16.4
Canada	842.9	9.8	5.4	20.1	64.7	39.0	61.8	14.3	16.2	11.4
Central America ⁴	2,553.1	33.7	24.5	22.5	19.4	75.8	28.1	4.1	3.0	18.0
El Salvador	94.4	51.3	25.9	16.8	6.1	85.7	41.4	6.5	2.6	31.7
Mexico	2,199.2	33.0	24.7	21.9	20.3	76.4	21.3	3.0	2.5	16.6
Caribbean ⁴	1,258.4	18.6	24.1	45.5	11.9	61.1	55.3	13.1	6.6	18.0
Cuba	607.8	6.3	20.5	60.4	12.8	54.9	54.9	16.1	9.2	12.2
Dominican Republic	169.1	31.0	25.8	37.2	6.1	74.5	30.1	4.3	3.1	18.5
Haiti	92.4	33.6	31.0	30.8	4.6	73.9	64.4	13.4	8.0	27.4
Jamaica	196.8	30.6	28.0	29.8	11.6	83.7	63.5	11.0	10.2	29.9
Trinidad and Tobago	65.9	27.6	34.2	30.7	7.4	70.7	70.3	12.4	10.3	23.3
South America ⁴	561.0	32.6	23.6	33.0	10.7	71.1	68.0	18.4	11.1	16.2
Argentina	66.9	25.3	17.9	40.3	16.5	61.2	70.9	24.2	16.3	13.1
Colombia	143.5	29.6	25.4	37.1	7.9	75.1	62.8	14.6	8.1	15.8
Ecuador	66.1	25.5	27.7	39.2	7.6	75.3	56.0	9.3	5.3	14.7

¹ For persons 25 years old and over. ² Completed 4 years or more of college. ³ For persons 16 years old and over.
⁴ Includes areas not shown separately. ⁵ Includes persons born in Azores.
Source: U.S. Bureau of the Census, 1980 *Census of Population*, vol. I, chapter D (PC80-1-D) and unpublished data.

NO. 46. POPULATION BY SELECTED ANCESTRY GROUP AND REGION: 1980

[As of April 1. Covers persons who reported single and multiple ancestry groups. Persons who reported a multiple ancestry group may be included in more than one category. Major classifications of ancestry groups do not represent strict geographic or cultural definitions. The European ancestry groups shown are those with one million or more persons and other groups shown are those with 75,000 or more persons. Based on a sample and subject to sampling variability; see text, section 1 and Appendix III. For composition of regions, see fig. 1, inside front cover]

ANCESTRY GROUP	Num- ber (1,000)	PERCENT DISTRIBUTION, BY REGION				ANCESTRY GROUP	Num- ber (1,000)	PERCENT DISTRIBUTION, BY REGION			
		North- east	Mid- west	South	West			North- east	Mid- west	South	West
European: ¹						Other—Con.					
English	49,596	16	23	40	21	Chinese	894	25	9	12	55
German	49,224	19	41	22	18	Filipino	795	10	11	11	68
Irish	40,166	24	26	32	18	Japanese	791	7	8	9	77
French ²	12,892	26	27	27	19	Korean	377	18	18	20	43
Italian	12,184	57	16	13	14	Asian Indian	312	35	23	23	19
Scottish	10,049	19	23	35	24	Vietnamese	215	9	14	33	44
Polish	8,226	41	38	11	10						
Dutch	6,304	18	35	26	20	Jamaican	253	70	6	18	5
						Haitian	90	72	4	21	2
Swedish	4,345	15	43	12	31	Mexican	7,693	1	9	35	55
Norwegian	3,454	7	55	7	31	Spanish/ Hispanic ³	2,687	23	8	26	43
Russian ²	2,781	48	17	16	19	Puerto Rican	1,444	73	11	8	7
Czech ⁴	1,892	18	49	18	15	Cuban	598	24	4	63	9
Hungarian	1,777	39	33	13	14	Dominican	171	91	1	6	2
Welsh	1,665	25	27	22	27						
Danish	1,518	9	38	10	43	Colombian	156	54	7	26	13
Portuguese	1,024	50	3	6	41	Spaniard	95	36	6	38	22
Other:						Ecuadoran	88	64	7	11	18
Lebanese	295	31	27	26	16	Salvadoran	85	13	3	9	75
Armenian	213	39	14	5	42						
Iranian	123	17	15	26	42	Hawaiian	202	2	3	6	89
Syrian	107	47	20	18	15						
Arab/Arabian ⁵	93	19	29	21	30	American Indian	6,716	9	24	44	24
						French Canadian ...	780	47	23	13	17
Afro-American	20,965	17	22	53	9	Canadian	456	42	19	15	23
African ⁶	204	33	19	33	15						

¹ Excludes Spaniard. ² Excludes French Basque. ³ Represents persons who reported as "Russian," "Great Russian," "Georgian," and other related European or Asian groups. Excludes Ukrainian, Ruthenian, Belorussian and some other distinct ethnic groups. See source for further information. ⁴ Includes persons who reported as "Czech," "Bohemian," and "Moravian," as well as the general response of "Czechoslovakian." ⁵ Represents a general type of response which may encompass several ancestry groups.

Source: U.S. Bureau of the Census, 1980 Census of Population, Supplementary Report, series PC80-S1-10.

NO. 49. MARITAL STATUS OF THE POPULATION, BY SEX AND AGE: 1987

[As of March. Persons 18 years old and over. Excludes members of Armed Forces except those living off post or with their families on post. Based on Current Population Survey; see text, section 1, and Appendix III. See *Historical Statistics, Colonial Times to 1970*, series A 160-171, for decennial census data]

SEX AND AGE	NUMBER OF PERSONS (1,000)					PERCENT DISTRIBUTION				
	Total	Single	Mar- ried	Wid- owed	Di- vorced	Total	Sin- gle	Mar- ried	Wid- owed	Di- vorced
Male	83,706	21,145	54,854	2,120	5,586	100.0	25.3	65.5	2.5	6.7
18-19 years old	3,530	3,418	111	-	1	100.0	96.8	3.1	-	-
20-24 years old	9,499	7,380	1,965	11	144	100.0	77.7	20.7	.1	1.5
25-29 years old	10,694	4,513	5,597	3	581	100.0	42.2	52.3	-	5.4
30-34 years old	10,448	2,414	7,186	13	835	100.0	23.1	68.8	.1	8.0
35-39 years old	9,163	1,137	7,018	14	995	100.0	12.4	76.6	.2	10.9
40-44 years old	7,365	509	6,025	35	797	100.0	6.9	81.8	.5	10.8
45-54 years old	11,151	658	9,379	129	965	100.0	5.9	84.1	1.2	8.8
55-64 years old	10,277	591	8,641	293	752	100.0	5.8	84.1	2.9	7.3
65-74 years old	7,606	354	6,200	685	368	100.0	4.7	81.5	9.0	4.8
75 years old and over	3,970	172	2,731	937	129	100.0	4.3	68.8	23.6	3.2
Female	91,901	17,097	55,639	11,123	8,041	100.0	18.6	60.5	12.1	8.7
18-19 years old	3,574	3,208	355	-	12	100.0	89.8	9.9	-	.3
20-24 years old	9,859	5,990	3,546	8	315	100.0	60.8	36.0	.1	3.2
25-29 years old	10,942	3,152	6,926	35	830	100.0	28.8	63.3	.3	7.6
30-34 years old	10,552	1,545	7,744	84	1,178	100.0	14.6	73.4	.8	11.2
35-39 years old	9,423	796	7,229	118	1,280	100.0	8.4	76.7	1.3	13.6
40-44 years old	7,680	493	5,892	164	1,111	100.0	6.4	76.7	2.4	14.5
45-54 years old	11,866	528	9,095	689	1,554	100.0	4.5	76.6	5.8	13.1
55-64 years old	11,608	485	8,138	1,935	1,048	100.0	4.2	70.1	16.7	9.0
65-74 years old	9,624	483	5,100	3,529	531	100.0	4.8	53.0	36.7	5.5
75 years old and over	6,773	435	1,615	4,541	182	100.0	6.4	23.8	67.0	2.7

- Represents zero or rounds to zero.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 423.

NO. 50. MARITAL STATUS OF THE POPULATION, BY SEX: 1970 TO 1987

[In millions, except percent. As of March. Persons 18 years old and over. Excludes members of Armed Forces except those living off post or with their families on post. Based on Current Population Survey, see text, section 1 and Appendix III. Historical Statistics, Colonial Times to 1970, series A 160-171, for decennial data]

MARITAL STATUS AND SEX	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	87
Total	132.8	143.3	150.7	153.3	159.5	162.1	164.7	167.1	169.5	171.4	173.7	17
Single	21.4	25.1	29.1	30.6	32.3	33.2	34.4	35.9	36.9	36.9	37.6	3
Married	95.0	99.7	101.0	101.5	104.8	105.3	106.2	106.7	107.1	107.9	109.2	11
Widowed	11.8	11.9	12.0	12.4	12.7	12.8	12.7	12.8	13.2	13.5	13.4	1
Divorced	4.3	6.5	8.6	8.8	9.9	10.8	11.5	11.6	12.3	13.1	13.5	1
Percent of total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	10
Single	16.2	17.5	19.3	20.0	20.3	20.5	20.9	21.5	21.8	21.5	21.6	2
Married	71.7	69.6	67.0	66.2	65.5	64.9	64.5	63.9	63.2	63.0	62.9	6
Widowed	8.9	8.3	8.0	8.1	8.0	7.9	7.7	7.7	7.8	7.9	7.7	
Divorced	3.2	4.6	5.7	5.8	6.2	6.7	7.0	6.9	7.3	7.6	7.8	
Males, total	62.5	67.9	71.5	72.7	76.7	76.9	78.1	79.3	80.5	81.5	82.8	8
Single	11.8	14.1	16.1	17.0	18.0	18.4	19.1	19.9	20.5	20.5	20.9	2
Married	47.1	49.4	50.1	50.3	51.8	52.1	52.5	52.9	53.0	53.5	54.3	5
Widowed	2.1	1.8	1.9	1.9	2.0	1.9	1.9	1.9	2.1	2.1	2.2	
Divorced	1.6	2.5	3.4	3.5	3.9	4.4	4.6	4.6	4.9	5.3	5.5	
Percent of total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	10
Single	18.9	20.6	22.5	23.3	23.8	23.9	24.5	25.1	25.5	25.2	25.3	2
Married	75.3	72.8	70.1	69.2	68.4	67.8	67.2	66.6	65.8	65.7	65.5	6
Widowed	3.3	2.7	2.7	2.7	2.8	2.5	2.4	2.4	2.6	2.6	2.8	
Divorced	2.5	3.7	4.7	4.8	5.2	5.7	5.9	5.9	6.1	6.5	6.8	
Percent standardized for age:¹												
Single	16.5	16.6	17.9	18.6	18.7	18.9	19.5	20.1	20.8	21.1	21.5	2
Married	77.8	76.6	74.3	73.5	72.9	72.3	71.7	71.0	70.0	69.4	68.8	6
Widowed	3.3	2.8	2.8	2.8	2.7	2.7	2.5	2.5	2.6	2.7	2.7	
Divorced	2.6	4.0	5.0	5.1	5.6	6.2	6.4	6.3	6.5	6.9	7.0	
Females, total	70.0	75.3	79.2	80.6	82.8	85.2	86.6	87.7	88.9	89.9	90.8	9
Single	9.6	11.0	13.0	13.6	14.3	14.8	15.3	16.0	16.4	16.4	16.8	1
Married	47.9	50.3	50.9	51.2	52.8	53.2	53.6	53.8	54.1	54.4	54.9	5
Widowed	9.7	10.1	10.1	10.4	10.8	10.8	10.8	10.9	11.1	11.4	11.3	1
Divorced	2.7	4.0	5.9	5.4	6.0	6.4	6.9	7.0	7.4	7.8	8.1	1
Percent of total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	10
Single	13.7	14.6	16.4	16.9	17.1	17.4	17.6	18.3	18.4	18.2	18.3	11
Married	68.5	66.7	64.2	63.5	62.0	62.4	61.9	61.4	60.8	60.4	60.5	61
Widowed	13.9	13.4	12.7	13.0	12.8	12.7	12.5	12.4	12.5	12.6	12.4	13
Divorced	3.9	5.3	6.6	6.6	7.1	7.6	8.0	7.9	8.3	8.7	8.9	6
Percent standardized for age:¹												
Single	12.1	12.4	13.8	14.3	14.5	14.8	15.1	15.9	16.2	16.3	16.7	11
Married	70.8	69.2	67.0	66.3	65.9	65.3	64.7	64.1	63.4	62.8	62.5	62
Widowed	13.0	12.8	12.1	12.3	12.1	11.9	11.6	11.5	11.4	11.8	11.3	11
Divorced	4.1	5.6	7.1	7.1	7.8	8.1	8.5	8.5	8.9	9.3	9.5	6

¹ 1980 age distribution used as standard; standardization improves comparability over time by removing effects of changes age distribution of population.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 423 and earlier reports.

NO. 51. PERCENT MARRIED AND DIVORCED OF THE POPULATION, BY SEX AND RACE: 1970 TO 1987

[As of March. Persons 18 years old and over. Excludes members of Armed Forces except those living off post or with their families on post. Based on Current Population Survey, see text, section 1 and Appendix III]

SEX AND RACE	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	87
Percent married:												
Male ¹	75.3	72.8	70.1	69.2	68.4	67.6	67.2	66.6	65.8	65.7	65.5	66
White	76.1	73.9	71.7	70.7	70.0	69.6	69.0	68.3	67.7	67.6	67.2	67
Black	66.9	62.7	67.6	55.7	54.6	53.5	53.1	52.2	50.6	50.7	51.7	50
Female ¹	68.5	66.7	64.2	63.5	63.0	62.4	61.9	61.4	60.8	60.4	60.5	60
White	69.3	68.0	65.9	65.2	64.7	64.1	63.7	63.3	62.6	62.7	62.4	62
Black	61.7	55.5	50.3	49.0	48.7	48.1	47.3	45.7	44.5	42.7	44.5	45
Percent divorced:												
Male ¹	2.5	3.7	4.7	4.8	5.2	5.7	5.9	5.8	6.1	6.5	6.8	6
White	2.4	3.6	4.5	4.5	5.0	5.5	5.7	5.7	6.0	6.4	6.8	6
Black	3.6	5.1	6.9	7.2	7.0	8.1	8.1	7.4	7.0	7.6	7.4	8
Female ¹	3.9	5.3	6.6	6.6	7.1	7.6	8.0	7.9	8.3	8.7	8.9	8
White	3.8	5.0	6.3	6.4	6.8	7.2	7.8	7.6	8.0	8.5	8.6	8
Black	5.0	7.5	9.3	8.9	9.5	10.9	9.6	10.5	11.0	11.0	11.6	11

¹ Includes other races, not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 423 and earlier reports.

NO. 52. SINGLE (NEVER-MARRIED) PERSONS AS PERCENT OF TOTAL POPULATION, BY AGE AND SEX: 1970 TO 1987

[As of March. Persons 18 years old and over. Based on Current Population Survey; see headnote, table 40]

AGE	MALE					FEMALE				
	1970	1975	1980	1985	1987	1970	1975	1980	1985	1987
Total	18.9	20.8	20.0	25.2	25.3	13.7	14.6	17.1	18.2	18.9
18-19 years old	92.8	93.1	84.3	87.1	85.8	75.8	77.7	82.8	88.7	89.8
20-24 years old	54.7	59.9	68.6	75.6	77.7	35.6	40.3	60.2	68.6	69.8
25-29 years old	18.1	22.3	33.1	38.7	42.2	10.5	13.8	20.9	28.4	28.8
30-34 years old	9.4	11.1	15.9	20.8	23.1	6.2	7.5	9.5	13.6	14.6
35-39 years old	7.2	8.6	7.8	10.1	12.4	5.4	5.0	6.2	8.1	8.4
40-44 years old	6.3	7.2	7.1	8.6	8.9	4.9	4.8	4.9	5.9	6.4
45-54 years old	7.5	8.3	8.1	8.9	5.9	4.9	4.6	4.7	4.6	4.5
55-64 years old	7.8	6.5	6.9	8.1	5.8	6.8	5.1	4.5	3.7	4.2
65 years old and over	7.5	4.7	4.9	5.3	4.5	7.7	5.9	5.9	5.1	5.5
65-74 years old	8.0	4.3	5.2	5.2	4.7	7.8	5.8	5.8	4.4	4.8
75 years old and over	6.6	5.5	4.2	5.3	4.3	7.5	5.6	6.3	6.2	6.4

NO. 53. DIVORCED PERSONS PER 1,000 MARRIED PERSONS WITH SPOUSE PRESENT, BY SEX, RACE, AND AGE: 1970 TO 1987

[As of March. 1970 and 1975, persons 14 years old and over; beginning 1980, 15 years old and over. See headnote, table 51]

YEAR	Total	Male	Female	SEX AND YEAR	RACE		AGE			
					White	Black	15-29 years	30-44 years	45-64 years	65 years old and over
1970	47	35	60	Male: 1970	32	62	128	33	40	32
1975	89	54	64	1980	74	149	76	104	70	48
1980	100	79	120	1985	88	179	100	136	83	49
1983	114	81	137	1987	102	184	101	137	100	57
1984	121	86	146	Female: 1970	58	104	148	61	66	69
1985	126	103	153	1980	110	256	105	147	112	69
1986	131	108	167	1985	142	326	117	190	151	111
1987	130	107	154	1987	142	317	116	184	159	111

* 14-29 years.

Source of tables 52 and 53: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 423 and earlier reports.

NO. 54. MARITAL STATUS OF THE BLACK AND HISPANIC POPULATIONS: 1970 TO 1987

[In thousands, except percent. As of March, except as noted. Black population: Persons 15 years old and over. Hispanic population: 1970, persons 14 years old and over; thereafter, 15 years old and over. Except as noted, based on Current Population Survey; see headnote, table 40]

MARITAL STATUS	TOTAL				MALE				FEMALE			
	1970	1980	1985	1987	1970	1980	1985	1987	1970	1980	1985	1987
BLACK												
Total	12,972	16,036	18,807	19,242	5,868	7,416	8,326	8,827	7,074	9,222	10,281	10,615
Single	2,668	5,070	6,439	6,583	1,435	2,540	3,148	3,220	1,233	2,530	3,290	3,363
Married	8,310	8,545	8,811	9,172	3,844	4,051	4,217	4,392	4,386	4,494	4,394	4,781
Widowed	1,427	1,827	1,791	1,594	307	308	324	309	1,120	1,319	1,468	1,286
Divorced	567	1,386	1,764	1,892	212	517	636	706	355	878	1,128	1,186
Percent of total:												
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Single	20.6	30.5	34.6	34.2	24.3	34.3	37.8	37.3	17.4	27.4	32.0	31.7
Married	64.1	51.4	46.3	47.7	68.9	54.6	50.7	50.9	61.7	48.7	42.7	45.0
Widowed	11.0	9.8	9.6	8.3	5.2	4.2	3.9	3.6	15.8	14.3	14.3	12.1
Divorced	4.4	8.4	9.5	9.8	3.6	7.0	7.6	8.2	5.0	9.5	11.0	11.2
HISPANIC¹												
Total	5,872	7,888	10,848	12,111	2,838	3,787	5,322	6,014	3,823	4,101	5,826	6,086
Single	1,718	1,901	2,789	3,180	914	1,035	1,640	1,874	804	865	1,128	1,285
Married	3,886	5,176	6,799	7,507	1,801	2,541	3,272	3,852	1,864	2,635	3,525	3,665
Widowed	287	350	553	515	56	60	124	106	231	291	430	408
Divorced	201	460	727	929	67	151	285	380	134	310	442	549
Percent of total:												
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Single	29.3	24.1	25.5	26.1	32.2	27.3	30.8	31.2	26.5	21.1	20.4	21.1
Married	62.4	65.6	62.7	62.0	63.5	67.1	61.5	60.7	61.5	64.3	63.8	63.2
Widowed	4.9	4.4	5.1	4.3	2.0	1.6	2.3	1.8	7.9	7.1	7.8	6.7
Divorced	3.4	5.8	6.7	7.7	2.3	4.0	5.4	6.3	4.4	7.6	8.0	8.0

¹ Hispanic persons may be of any race. 1970 data as of April.

Source: U.S. Bureau of the Census, *Census of Population: 1970, PC80-1G, Persons of Spanish Origin*; *Current Population Reports*, series P-20, No. 423 and earlier reports; and unpublished data.

No. 55. INTERRACIAL MARRIED COUPLES: 1970 TO 1987

[In thousands. 1970 data as of April; 1986 and 1987 data as of March. 1970, persons 14 years old and over; 1986 and 1987 persons 15 years old and over. 1986 and 1987 based on Current Population Survey; see headnote, table 49]

ITEM	1970	1986	1987	ITEM	1970	1986	1987
Total married couples	64,887	68,714	62,286	Other interracial married couples	245	484	
Interracial married couples	310	651	799	Husband Black	8	20	
All Black-White married couples	85	187	177	Wife Black	4	14	
Husband Black, wife White	41	122	121	Husband White	139	267	
Wife Black, husband White	24	45	56	Wife White	94	163	

Source: U.S. Bureau of the Census, *Census of Population: 1970, Marital Status*, PC(2)-4C; *Current Population Reports*, series P-20, No. 424 and earlier reports.

No. 56. UNMARRIED COUPLES, BY SELECTED CHARACTERISTICS, 1970 TO 1987, AND BY MARITAL STATUS OF PARTNERS, 1987

[In thousands. As of March, except 1970, as of April. An "unmarried couple" is two unrelated adults of the opposite sex who share the same household. See headnote, table 50]

PRESENCE OF CHILDREN AND AGE OF HOUSEHOLDER	1970	1986	1987	MARITAL STATUS OF MALE	Total	MARITAL STATUS OF FEMALE			
						Never married	Divorced	Widowed	
Unmarried couples	523	1,886	1,883	Total, 1987	2,334	1,386	731	171	
No children under 15 yr	1,327	1,159	1,380	Never married	1,315	950	269	80	
Some children under 15 yr	1,186	431	803	Divorced	762	281	389	46	
Under 25 yr old	55	411	425	Widowed	68	11	24	46	
25-44 yr old	103	837	1,203	Married, wife absent	169	63	49	20	
45-64 yr old	186	221	239						
65 yr old and over	178	179	143						

¹ Children in unmarried-couple households are under 14 years old.

Source: U.S. Bureau of the Census, *1970 Census of Population*, vol. II, part 4B, and *Current Population Reports*, series P-20, No. 423 and earlier reports.

No. 57. HOUSEHOLDER AND MARITAL STATUS OF POPULATION, 15 YEARS OLD AND OVER: 1987

[In thousands, except percent. As of March. See headnote, table 51]

HOUSEHOLDER AND MARITAL STATUS	Total, 15 yrs. and over ¹	MALE					FEMALE				
		Total ¹	20-24 years	25-44 years	45-64 years	65 yr. and over	Total ¹	20-24 years	25-44 years	45-64 years	65 yr. and over
Total persons	166,886	88,388	8,488	37,871	21,428	11,578	97,320	8,868	36,587	23,472	16,165
Householder	89,479	61,735	2,884	28,861	18,304	10,487	27,744	1,915	10,346	6,774	8,101
Single	12,071	5,985	1,224	3,514	734	391	6,086	1,356	3,365	801	1,164
Married, spouse present	51,537	48,573	1,523	22,406	16,371	8,197	2,964	239	1,630	817	1,114
Married, spouse absent	4,208	1,568	59	815	506	188	2,638	152	1,535	709	1,114
Widowed	11,291	1,721	-	41	363	1,317	9,570	5	362	2,385	6,198
Divorced	10,374	3,867	77	2,087	1,331	393	6,487	164	3,455	2,261	1,567
Not householder	97,209	27,634	6,615	8,809	2,124	1,091	69,575	7,944	28,252	18,698	7,964
Single	37,114	20,801	6,165	5,058	514	135	16,313	4,634	2,622	411	1,114
Married, spouse present	53,035	3,713	277	1,888	860	478	49,322	2,969	24,203	15,586	8,101
Married, spouse absent	1,847	1,021	106	639	183	67	825	156	423	141	1,114
Widowed	1,952	399	11	25	59	305	1,553	3	59	239	1,114
Divorced	3,281	1,899	85	1,121	406	104	1,582	151	844	342	1,114
PERCENT DISTRIBUTION											
Total persons	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Householder	47.9	69.1	30.4	76.8	90.1	90.8	28.5	19.4	28.8	28.9	5.0
Single	8.5	6.7	12.9	9.3	3.4	3.4	6.3	13.8	8.7	2.6	1.1
Married, spouse present	27.6	54.4	16.0	59.5	76.4	70.8	3.0	2.4	4.2	3.5	1.1
Married, spouse absent	2.3	1.8	.8	2.2	2.4	1.6	2.7	1.5	4.0	3.0	1.1
Widowed	6.0	1.9	-	1	1.7	11.4	9.8	1	.9	10.2	4.4
Divorced	5.8	4.3	.8	5.5	6.2	3.4	6.7	1.7	9.0	9.6	1.1
Not householder	52.1	30.9	69.6	23.4	8.9	9.4	71.5	80.6	73.2	71.1	40.0
Single	19.9	23.3	84.6	13.4	2.4	1.2	16.8	47.0	8.8	1.8	1.1
Married, spouse present	28.4	4.2	2.8	5.2	4.5	4.1	50.7	30.4	62.7	66.3	3.9
Married, spouse absent	1.0	1.1	1.1	1.7	.9	.6	.8	1.8	1.1	.8	1.1
Widowed	1.0	.4	1	1	3	2.6	1.6	-	2	1.0	1.1
Divorced	1.7	1.8	7	3.0	1.9	.9	1.8	1.5	2.4	1.5	1.1

- Represents or rounds to zero. ¹ Includes 15-19 year olds.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 429 and earlier reports.

NO. 58. HOUSEHOLDS, FAMILIES, SUBFAMILIES, MARRIED COUPLES, AND UNRELATED INDIVIDUALS: 1980 TO 1988

(In thousands, except as indicated. As of March. Based on Current Population Survey; includes members of Armed Forces living off post or with their families on post, but excludes all other members of Armed Forces; see text, section 1 and Appendix III. For definition of terms, see text, section 1. Minus sign (-) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series A 288-319)

TYPE OF UNIT	1988	1978	1975	1980	1984	1985	1986	1987	1988	PERCENT CHANGE	
										1970-1980	1980-1988
Households	52,789	63,401	71,120	80,776	85,467	86,789	88,458	89,479	91,081	27.4	12.7
Average size	3.33	3.14	2.94	2.76	2.71	2.69	2.67	2.66	2.64	(x)	(x)
Family households	44,905	51,456	55,583	59,550	61,897	62,708	63,558	64,491	65,133	15.7	9.4
Married couple	39,254	44,728	48,951	48,112	50,090	50,350	50,933	51,537	51,809	9.8	5.5
Male householder ¹	1,226	1,228	1,485	1,733	2,030	2,228	2,414	2,510	2,715	41.1	56.7
Female householder ¹	4,422	5,500	7,127	8,705	9,878	10,129	10,211	10,445	10,608	■	21.9
Nonfamily households	7,895	11,945	15,557	21,226	23,410	24,082	24,900	24,988	25,929	77.7	22.2
Male householder	2,716	4,063	5,912	8,807	9,752	10,114	10,648	10,652	11,305	116.8	28.4
Female householder	5,179	7,882	9,645	12,419	13,658	13,968	14,252	14,336	14,623	57.8	17.7
One person	6,895	10,551	13,939	18,296	19,954	20,802	21,178	21,129	21,684	88.8	19.6
Families	45,111	51,586	55,712	59,550	61,927	62,708	63,558	64,491	65,133	15.4	9.4
Average size	3.87	3.58	3.42	3.29	3.24	3.23	3.21	3.19	3.17	(x)	(x)
Married couple	39,329	44,755	48,971	49,112	50,090	50,350	50,933	51,537	51,809	9.7	5.5
Male householder ¹	1,275	1,239	1,489	1,733	2,030	2,229	2,414	2,510	2,715	39.9	56.7
Female householder ¹	4,507	5,591	7,242	8,705	9,878	10,129	10,211	10,445	10,608	55.7	21.9
Unrelated subfamilies	307	130	148	380	504	526	505	586	537	176.9	48.2
Married couple	73	27	20	20	53	48	45	37	38	(8)	(8)
Male reference persons ¹	47	11	14	36	63	85	83	77	46	(8)	(8)
Female reference persons ¹	85	91	115	304	388	395	397	452	452	234.1	48.7
Related subfamilies	1,514	1,180	1,348	1,150	2,198	2,228	2,256	2,298	2,386	-	108.3
Married couple	871	817	576	582	722	719	726	712	765	-5.7	31.4
Father-child ¹	115	48	88	54	113	116	131	123	152	(8)	(8)
Mother-child ¹	528	484	705	512	1,363	1,392	1,399	1,451	1,479	5.8	168.9
Married couples	48,200	48,373	47,547	49,714	50,864	51,114	51,704	52,286	52,613	9.6	6.8
With own household	39,254	44,728	48,951	48,112	50,090	50,350	50,933	51,537	51,809	9.8	5.5
Without own household	946	645	595	602	775	764	771	749	803	-8.7	33.4
Percent without	2.4	1.4	1.3	1.2	1.5	1.5	1.5	1.4	1.5	(x)	(x)
Unrelated individuals	11,082	14,968	19,100	28,426	29,497	30,518	31,508	31,914	33,120	75.3	25.3
Nonfamily householders	7,895	11,945	15,557	21,226	23,410	24,082	24,900	24,988	25,929	77.7	22.2
Secondary individuals	3,198	3,043	3,543	5,200	6,087	6,436	6,608	6,925	7,191	70.9	38.3
Male	1,746	1,831	2,087	3,008	3,531	3,743	3,764	3,947	4,081	84.3	35.8
Female	1,451	1,412	1,456	2,194	2,556	2,693	2,842	2,978	3,110	55.4	41.8

- Represents zero. B Not shown; base less than 75,000. X Not applicable. ¹ No spouse present.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 432

NO. 59. HOUSEHOLDS, BY TYPE—PROJECTIONS: 1989 TO 2000

(In thousands. As of July. Series A reflects the assumption that the recent moderation in marriage and divorce trends will continue but that historical changes spanning the last 25 years must be taken into consideration. Series B assumes a continuation of past trends in householder proportions but changes in recent years are given more weight. Series C reflects assumptions intermediate between series A and C, namely changes in marriage and divorce will slow considerably, but will not cease during the next 15 years. Series D reflects the assumption that the rapid change in marriage and divorce may have come to an end, and householder proportions will remain constant for the next 15 years)

YEAR AND SERIES	Total	FAMILY				NONFAMILY		
		Total	Married couple	Male householder ¹	Female householder ¹	Total	Male householder	Female householder
1989: Series A	93,622	65,403	51,521	2,818	11,266	28,219	12,403	15,816
Series B	92,647	66,034	52,554	2,508	10,972	28,814	11,583	15,231
Series C	92,126	66,853	53,582	2,410	10,681	25,473	10,802	14,671
1990: Series A	95,243	66,984	51,704	2,723	11,538	29,279	13,006	16,270
Series B	94,227	66,758	53,012	2,581	11,165	27,489	11,946	15,523
Series C	93,297	67,535	54,282	2,455	10,798	25,762	10,949	14,814
1995: Series A	102,785	68,219	52,178	3,278	12,765	34,565	16,102	18,463
Series B	100,308	69,787	54,863	2,940	11,984	30,520	13,886	16,634
Series C	98,180	71,294	57,410	2,857	11,217	28,867	11,480	15,386
2000: Series A	110,217	70,024	52,263	3,845	13,916	40,193	19,471	20,722
Series B	105,839	72,277	58,284	3,282	12,701	33,658	15,452	18,206
Series C	102,440	74,448	60,080	2,855	11,515	27,991	11,985	16,006

¹ With no spouse present.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 986.

NO. 60. WHITE, BLACK AND HISPANIC HOUSEHOLDS, BY TYPE: 1970 TO 1987

[As of March, except as noted. Based on Current Population Survey, except as noted; see headnote, table 58. See also *Historical Statistics, Colonial Times to 1870*, series A 282-295 and A 320-334]

CHARACTERISTIC	NUMBER (1,000)					PERCENT DISTRIBUTION				
	1970	1975	1980	1985	1987	1970	1975	1980	1985	1987
WHITE										
Total	66,662	62,846	78,796	75,326	77,384	100.0	100.0	100.0	100.0	100.0
Family households	46,165	46,334	52,843	54,400	55,676	69.3	73.9	67.2	72.2	71.9
Married couple	41,023	42,951	44,751	45,643	46,410	61.5	68.2	56.3	60.6	59.8
Male householder ¹	1,038	1,257	1,441	1,818	2,036	1.5	2.0	1.8	2.4	2.6
Female householder ¹	4,069	5,126	6,062	6,941	7,327	6.1	8.1	7.7	9.2	9.5
Nonfamily households	10,436	13,612	18,522	20,926	21,708	15.6	21.9	26.2	27.8	28.1
Male householder	3,405	5,038	7,409	8,809	9,084	5.1	8.0	9.4	11.4	11.7
Female householder	7,030	8,574	11,023	12,320	12,674	10.5	13.9	15.8	16.4	16.4
BLACK										
Total	6,259	7,392	8,598	8,998	9,922	100.0	100.0	100.0	100.0	100.0
Family households	4,956	5,468	6,184	6,778	7,086	79.2	73.9	72.0	71.5	71.4
Married couple	3,317	3,343	3,438	3,498	3,742	53.0	45.2	40.0	38.6	37.3
Male householder ¹	151	211	268	344	386	2.4	2.8	3.0	3.8	3.9
Female householder ¹	1,395	1,915	2,405	2,884	2,957	22.3	26.4	28.1	31.3	31.5
Nonfamily households	1,307	1,703	2,402	2,703	2,836	20.8	23.1	28.0	28.5	28.6
Male householder	894	791	1,146	1,244	1,313	14.2	10.6	13.3	13.1	13.2
Female householder	809	1,002	1,256	1,459	1,513	12.9	13.5	14.8	15.4	15.4
HISPANIC²										
Total	2,399	(NA)	3,694	4,893	5,416	100.0	(NA)	100.0	100.0	100.0
Family households	2,004	(NA)	3,039	3,939	4,408	83.5	(NA)	82.2	80.7	81.4
Married couple	1,615	(NA)	2,222	2,824	3,116	67.3	(NA)	61.9	57.8	57.5
Male householder ¹	82	(NA)	138	210	253	3.4	(NA)	3.7	4.3	4.7
Female householder ¹	307	(NA)	510	805	1,032	12.8	(NA)	13.8	15.5	16.1
Nonfamily households	395	(NA)	564	944	1,018	16.5	(NA)	17.8	19.3	18.6
Male householder	180	(NA)	386	599	621	7.5	(NA)	9.9	10.4	10.4
Female householder	145	(NA)	288	435	494	6.0	(NA)	7.9	8.9	8.2

NA Not available. ¹ No spouse present. ² Hispanic persons may be of any race. 1970 data as of April.

Source: U.S. Bureau of the Census, *Census of Population: 1970, Persons of Spanish Origin*, PC(2)-1C; *Current Population Reports*, series P-20, No. 424 and earlier reports.

NO. 61. HOUSEHOLDS BY CHARACTERISTIC OF HOUSEHOLDER AND SIZE OF HOUSEHOLD: 1970 TO 1987

[As of March. Based on Current Population Survey; see headnote, table 58. See also *Historical Statistics, Colonial Times to 1870*, series A 336-346]

CHARACTERISTIC OF HOUSEHOLDER AND SIZE OF HOUSEHOLD	NUMBER (TH)							PERCENT DISTRIBUTION			
	1970	1975	1980	1984	1986	1988	1987	1970	1975	1980	1985
Total ¹	63.4	71.1	88.8	95.4	95.8	99.5	99.5	100.0	100.0	100.0	100.0
Age of householder											
15-24 years old ²	4.4	5.8	6.6	5.5	5.4	5.5	5.2	6.9	8.2	6.1	6.3
25-29 years old	6.1	7.8	9.3	9.8	9.8	8.8	9.7	9.6	11.0	11.5	11.1
30-34 years old	5.6	7.1	9.3	10.0	10.4	10.6	10.8	8.8	10.0	11.5	12.0
35-44 years old	11.8	11.9	14.0	15.6	17.5	18.0	18.7	18.6	16.7	17.3	20.1
45-54 years old	12.2	12.9	12.7	12.5	12.6	13.1	13.2	19.5	18.2	15.7	14.8
55-64 years old	10.8	11.3	12.5	13.1	13.1	12.9	12.9	17.1	15.8	15.5	15.1
65-74 years old	7.7	8.9	10.1	10.7	10.9	11.2	11.3	12.1	12.5	12.5	12.6
75 years old and over	4.8	5.4	6.4	7.2	7.3	7.4	7.7	7.6	7.6	7.9	8.4
Male	50.0	54.3	58.0	59.4	60.0	61.0	61.7	78.9	76.4	71.8	68.2
Female	13.4	16.8	22.8	26.0	26.8	27.4	27.7	21.1	23.6	28.2	30.8
White	56.5	62.9	70.8	74.4	75.3	78.6	77.3	89.5	88.8	87.6	88.8
Black	6.2	7.3	8.6	9.2	9.5	9.8	9.9	9.8	10.2	10.6	10.8
Hispanic ³	(NA)	(NA)	3.7	4.3	4.9	5.2	5.4	(NA)	(NA)	4.8	5.6
1 person	10.9	13.9	18.3	20.0	20.6	21.2	21.1	17.1	19.8	22.7	23.7
Male	3.5	4.8	7.0	7.6	7.9	8.3	8.2	5.5	6.9	8.7	9.1
Female	7.3	9.0	11.3	12.4	12.7	12.9	12.9	11.5	12.7	14.0	14.6
2 persons	16.3	21.8	25.3	28.9	27.4	27.7	28.6	26.9	30.6	31.4	31.6
3 persons	10.9	12.4	14.1	15.1	15.5	16.1	16.2	17.3	17.4	17.5	17.8
4 persons	10.0	11.1	12.7	13.8	13.6	13.8	14.0	15.8	15.8	15.7	15.7
5 persons	8.5	6.4	6.1	6.1	6.1	6.3	6.2	10.3	9.0	7.5	7.0
6 persons	9.5	3.1	2.5	2.4	2.3	2.1	2.2	5.6	4.3	3.1	2.6
7 persons or more	3.2	2.5	1.6	1.4	1.3	1.3	1.3	6.0	3.5	2.2	1.5

NA Not available. ¹ Includes other races, not shown separately. ² 1970 and 1975, persons 14 to 24 years old.

³ Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 424 and earlier reports; and unpublished data.

No. 62. HOUSEHOLD CHARACTERISTICS, BY RACE, HISPANIC ORIGIN AND TYPE: 1987

[As of March. Based on Current Population Survey; see headnote, table 58. For composition of regions, see fig. 1, inside front cover]

CHARACTERISTIC	NUMBER OF HOUSEHOLDS (1,000)					PERCENT DISTRIBUTION					PERSONS PER HOUSEHOLD		
	Total	Black	Hispanic ¹	Family households			Total ²	Hispanic ¹	Black	Total	Total	Black	Hispanic ¹
				Total ²	Married couple	Female householder ³							
Total	69,479	9,922	5,418	64,491	51,537	10,445	24,998	100.0	100.0	100.0	2.66	2.91	3.42
Age of householder:													
15-24 years old	5,197	871	524	2,939	1,858	843	2,258	5.8	6.8	5.8	2.31	2.62	3.00
25-29 years old	9,652	1,159	845	6,695	5,170	1,257	2,957	10.8	11.7	10.8	2.68	2.92	3.31
30-34 years old	10,850	1,382	805	6,417	6,708	1,480	2,433	12.1	13.9	12.1	3.08	3.20	3.77
35-44 years old	18,704	2,109	1,300	15,478	12,157	2,875	3,228	20.9	21.3	20.9	3.37	3.44	3.97
45-64 years old	13,211	1,604	807	10,993	8,947	1,614	2,213	14.8	16.2	14.8	3.07	3.15	3.70
65-64 years old	12,858	1,301	589	9,738	8,240	1,198	3,130	14.4	13.1	14.4	2.37	2.56	2.96
65-74 years old	11,250	1,038	354	6,937	5,935	772	4,313	12.8	10.5	12.8	1.88	2.34	2.99
75 years old and over	7,749	858	192	3,292	2,522	828	4,459	6.7	6.6	6.7	1.57	1.90	2.09
Region:													
Northeast	18,973	1,766	1,097	13,367	10,504	2,282	5,505	21.1	17.6	21.1	2.62	2.79	3.11
Midwest	21,973	1,805	325	15,844	12,817	2,458	6,129	24.6	19.2	24.6	2.67	2.68	3.54
South	30,620	5,305	1,785	22,536	17,984	3,824	8,084	34.2	53.5	34.2	2.66	3.02	3.34
West	18,014	845	2,211	12,744	10,252	1,800	5,269	20.1	9.5	20.1	2.70	2.61	3.63
Size of household:													
One person	21,128	2,499	810	(x)	(x)	(x)	21,128	23.6	25.2	23.6	1.00	1.00	1.00
Two persons	28,602	2,440	1,170	25,519	19,645	4,501	3,084	32.0	24.6	32.0	2.00	2.00	2.00
Three persons	16,159	1,951	1,048	15,667	11,713	3,257	492	16.1	19.7	16.1	3.00	3.00	3.00
Four persons	13,964	1,500	1,132	13,783	12,013	1,532	200	15.6	15.1	15.6	4.00	4.00	4.00
Five persons	6,162	797	695	6,097	5,330	645	66	6.9	8.0	6.9	5.00	5.00	5.00
Six persons	2,178	374	307	2,165	1,833	282	10	2.4	3.8	2.4	6.00	6.00	6.00
Seven persons or more	1,268	361	257	1,259	1,002	228	8	1.4	3.6	1.4	7.88	8.19	8.05
Marital status of householder:													
Single (never married)	12,071	2,202	781	2,932	(x)	2,155	9,138	13.5	22.2	13.5	1.76	2.41	2.50
Married, spouses present	51,537	3,742	3,116	51,537	51,537	(x)	(x)	57.6	37.7	57.6	3.27	3.68	4.03
Married, spouses absent	4,208	1,138	543	2,221	(x)	1,831	1,985	4.7	11.4	4.7	2.33	2.68	2.98
Separated	3,292	990	426	1,902	(x)	1,595	1,390	3.7	10.0	3.7	2.47	2.76	3.03
Widowed	11,291	1,373	350	3,043	(x)	2,604	8,248	12.6	13.8	12.6	1.56	2.31	2.36
Divorced	10,374	1,468	625	4,759	(x)	3,854	5,616	11.6	14.8	11.6	2.03	2.44	2.53
Tenure:													
Owner occupied	57,258	4,505	2,198	46,267	40,057	4,755	10,972	84.0	45.4	84.0	2.82	3.17	3.72
Renter occupied	32,221	5,417	3,220	18,205	11,480	5,690	14,016	36.0	54.6	36.0	2.39	2.70	3.22

X Not applicable. Z Less than .05 percent. ¹ Hispanic persons may be of any race. ² Includes male householder, no spouse present. ³ No spouse present.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 424 and series P-60, No. 159.

No. 63. HOUSEHOLDS—STATES: 1980 TO 1987

(1980, as of April 1; thereafter, as of July 1. For definition of household, see text, section 1. For composition of regions, see fig. 1, inside front cover)

REGION, DIVISION, AND STATE	NUMBER (1,000)			PERSONS PER HOUSEHOLD		DIVISION AND STATE	NUMBER (1,000)			PERSONS PER HOUSEHOLD	
	1980	1985	1987	1980	1987		1980	1985	1987	1980	1987
U.S.	80,380	87,480	90,031	2.75	2.64	So. Atl.	13,188	14,940	15,655	2.73	2.59
Region:						DE	207	227	238	2.79	2.64
Northeast	17,471	18,424	18,788	2.74	2.61	MD	1,461	1,567	1,656	2.82	2.66
Midwest	20,859	21,758	22,163	2.75	2.62	DC	253	248	248	2.40	2.35
South	28,485	29,859	30,899	2.77	2.65	VA	1,863	2,076	2,171	2.77	2.63
West	15,574	17,445	18,211	2.71	2.66	WV	686	710	707	2.79	2.63
N. Eng.	4,362	4,574	4,791	2.74	2.68	NC	2,043	2,294	2,380	2.78	2.60
ME	395	432	447	2.75	2.57	SC	1,030	1,154	1,198	2.93	2.77
NH	323	368	381	2.75	2.61	GA	1,872	2,136	2,258	2.84	2.69
VT	178	198	204	2.75	2.58	FL	3,744	4,506	4,787	2.55	2.46
MA	2,033	2,155	2,190	2.72	2.58	E. So. Cent.	5,051	5,436	5,580	2.63	2.68
RI	339	359	369	2.70	2.57	KY	1,253	1,344	1,386	2.82	2.65
CT	1,094	1,165	1,189	2.78	2.62	TN	1,619	1,759	1,820	2.77	2.61
Mid. Atl.	13,188	13,748	13,978	2.74	2.61	AL	1,342	1,444	1,483	2.84	2.69
NY	6,340	6,634	6,722	2.70	2.56	MS	827	890	909	2.97	2.61
NJ	2,549	2,740	2,807	2.84	2.68	W. So. Cent.	8,378	8,481	8,665	2.80	2.72
PA	4,220	4,375	4,447	2.74	2.62	AR	816	875	895	2.74	2.61
E. No. Cent.	14,854	15,204	15,486	2.76	2.64	LA	1,412	1,556	1,588	2.91	2.76
OH	3,834	3,953	4,035	2.76	2.61	OK	1,119	1,252	1,244	2.62	2.55
IN	1,927	2,011	2,049	2.77	2.63	TX	4,829	5,797	5,980	2.82	2.75
IL	4,045	4,212	4,271	2.76	2.65	Mid.	3,988	4,586	4,780	2.79	2.79
MI	3,195	3,286	3,355	2.84	2.66	MT	284	305	303	2.70	2.60
WI	1,652	1,751	1,785	2.77	2.62	ID	324	354	357	2.85	2.74
W. No. Cent.	6,306	6,554	6,666	2.68	2.57	WY	186	182	177	2.78	2.72
MN	1,445	1,546	1,585	2.74	2.60	CO	1,061	1,222	1,255	2.65	2.56
IA	1,053	1,074	1,072	2.68	2.55	NM	441	500	533	2.90	2.77
MO	1,793	1,886	1,940	2.67	2.55	AZ	957	1,143	1,240	2.79	2.65
ND	228	248	247	2.75	2.62	UT	449	506	518	3.20	3.19
SD	243	280	264	2.74	2.59	NV	304	368	397	2.58	2.48
NE	571	605	608	2.68	2.54	Pac.	11,587	12,359	13,451	2.61	2.66
KS	572	625	643	2.62	2.54	WA	1,541	1,691	1,761	2.61	2.51
						OR	982	1,044	1,074	2.60	2.48
						CA	8,630	9,619	10,076	2.66	2.68
						AK	131	175	175	2.93	2.89
						HI	294	330	345	3.15	3.02

Source: U.S. Bureau of the Census, Current Population Reports, series P-25, No. 1024.

No. 64. HOUSEHOLDS, 1980 AND 1987, AND PERSONS IN HOUSEHOLDS, 1987, BY TYPE OF HOUSEHOLD AND PRESENCE OF CHILDREN

(As of March. Based on Current Population Survey; see headnote, table 58. Minus sign (–) indicates decrease)

TYPE OF HOUSEHOLD AND PRESENCE OF CHILDREN	HOUSEHOLDS						PERSONS IN HOUSEHOLDS		Persons per household, 1987
	Number (1,000)		Change, 1980-1987		Percent distribution				
	1980	1987	Number (1,000)	Percent	1980	1987	Number (1,000)	Percent distribution	
Total households	80,776	88,479	8,703	10.8	100.0	100.0	238,261	100.0	2.66
Family households	59,550	64,491	4,941	8.3	73.7	72.1	207,772	87.2	3.22
With own children under 18	31,022	31,898	876	2.8	38.4	35.6	124,642	52.3	3.91
Without own children under 18	28,528	32,593	4,065	14.2	35.3	36.4	83,130	34.9	2.55
Married couple family	49,112	51,537	2,425	4.9	60.8	57.6	168,302	70.6	3.27
With own children under 18	24,981	24,845	316	-1.3	30.9	27.5	102,134	42.6	4.14
Without own children under 18	24,131	26,692	2,741	11.3	29.9	30.1	66,168	27.8	2.46
Male householder, no spouse present	1,733	2,510	777	44.8	2.1	2.8	7,232	3.0	2.86
With own children under 18	616	955	339	55.0	.8	1.1	2,767	1.2	2.90
Without own children under 18	1,117	1,554	437	39.1	1.4	1.7	4,465	1.9	2.87
Female householder, no spouse present	6,705	10,445	1,740	26.0	10.8	11.7	32,238	13.5	3.09
With own children under 18	5,445	6,297	852	15.6	6.7	7.0	19,741	8.3	3.13
Without own children under 18	3,261	4,147	886	27.2	4.0	4.6	12,497	5.2	3.01
Nonfamily households	21,226	24,988	3,762	17.7	26.3	27.9	30,489	12.8	1.22
Living alone	18,286	21,128	2,832	15.5	22.7	23.8	21,128	6.9	1.00
Male householder	8,807	10,652	1,846	20.9	10.9	11.9	14,303	6.0	1.34
Living alone	6,988	6,246	1,260	18.4	8.6	9.2	6,246	3.5	1.00
Female householder	12,419	14,336	1,917	15.4	15.4	16.0	16,186	6.8	1.13
Living alone	11,330	12,881	1,551	13.7	14.0	14.4	12,881	5.4	1.00

Source: U.S. Bureau of the Census, Current Population Reports, series P-20, No. 424 and earlier reports; and unpublished data.

No. 65. LIVING ARRANGEMENTS OF PERSONS 15 YEARS OLD AND OVER, BY SELECTED CHARACTERISTICS: 1987

[As of March. Based on Current Population Survey which includes members of Armed Forces living off post or with families on post, but excludes other Armed Forces; see text, section 1 and Appendix III]

AGE AND SEX	ALL RACES ¹					WHITE PERSONS PERCENT LIVING—			BLACK PERSONS PERCENT LIVING—		
	Total (1,000)	Percent living—				Alone	With spouse	With other rela- tives	Alone	With spouse	With other rela- tives
		Alone	With spouse	With other rela- tives	With non- rela- tives						
Total.....	186,888	11.3	58.0	27.0	5.7	11.4	58.0	24.4	11.9	25.2	46.1
15-19 years old.....	18,188	.5	2.8	93.5	3.2	.5	3.2	92.9	.4	.9	96.4
20-24 years old.....	19,358	6.0	26.0	54.8	13.2	6.3	28.5	51.5	4.5	12.8	73.7
25-44 years old.....	76,267	8.5	65.8	18.4	7.3	8.4	68.7	15.7	9.3	44.7	38.5
45-64 years old.....	44,901	10.8	75.1	11.4	2.7	10.2	77.8	9.6	17.4	51.8	28.4
65 years old and over.....	27,975	30.4	54.0	13.2	2.4	30.4	55.1	12.1	33.0	41.7	22.7
65-74 years old.....	17,232	24.1	63.7	10.2	2.0	23.9	65.2	9.0	29.0	47.4	20.7
75 years old and over.....	10,743	40.5	38.5	17.9	3.1	40.8	39.0	17.1	39.8	31.9	25.9
Male.....	86,888	9.2	58.0	25.2	7.0	9.0	58.9	23.4	11.8	40.4	38.2
15-19 years old.....	9,193	.4	1.2	95.6	2.8	.4	1.3	95.3	.4	.4	97.4
20-24 years old.....	9,499	6.6	18.9	60.1	14.3	6.9	20.8	57.8	4.6	9.3	75.1
25-44 years old.....	37,671	10.3	64.7	15.5	9.5	10.1	67.0	13.8	12.1	47.4	28.3
45-64 years old.....	21,426	8.9	60.9	6.9	3.4	8.1	62.9	6.1	17.1	61.2	14.3
65 years old and over.....	11,578	15.8	74.9	6.9	2.6	14.9	76.0	6.5	22.8	63.9	10.1
65-74 years old.....	7,608	12.3	79.7	5.6	2.5	11.7	81.1	5.0	20.0	65.9	9.9
75 years old and over.....	3,970	21.8	65.9	9.6	2.7	21.3	66.4	9.5	28.0	60.1	10.6
Female.....	97,320	13.2	53.7	28.6	4.4	13.6	58.0	25.3	12.2	32.7	51.8
15-19 years old.....	8,994	.5	4.5	91.3	3.8	.6	5.1	90.5	.4	1.3	95.6
20-24 years old.....	9,859	5.5	32.8	49.6	12.0	5.7	36.2	45.3	4.5	15.7	72.5
25-44 years old.....	38,597	6.8	68.9	21.2	5.0	6.8	70.5	17.6	7.0	42.4	47.1
45-64 years old.....	23,472	12.6	69.8	15.6	2.0	12.2	73.0	12.8	17.6	44.0	35.9
65 years old and over.....	16,397	40.9	39.2	17.6	2.3	41.4	40.2	18.1	39.8	26.7	31.1
65-74 years old.....	9,624	33.5	51.0	13.9	1.6	33.6	52.6	12.2	35.4	34.0	26.8
75 years old and over.....	6,773	51.5	22.4	22.8	3.3	52.1	23.1	21.5	46.7	15.3	34.9

¹ Includes other races not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 423.

No. 66. LIVING ARRANGEMENTS OF YOUNG ADULTS: 1970 TO 1987

[1970 and 1980, as of April. Beginning 1985, as of March and based on Current Population Survey, see headnote, table 65]

LIVING ARRANGEMENTS AND SEX	PERSONS 18-24 YEARS OLD					PERSONS 25-34 YEARS OLD				
	1970	1985	1980	1980	1987	1970	1980	1980	1985	1987
Total (1,000).....	22,367	26,122	27,844	27,111	26,462	24,896	26,706	40,857	42,063	42,636
Percent distribution:										
Child of householder ¹	47.3	48.4	53.6	52.6	54.3	8.0	8.7	10.6	11.1	11.1
Family householder or spouse.....	37.9	28.9	24.3	24.9	23.3	82.8	72.3	67.9	66.6	66.6
Nonfamily householder.....	4.8	9.5	8.2	8.5	8.5	4.9	12.0	12.9	13.1	12.6
Other.....	10.0	13.2	13.8	14.0	14.0	4.3	7.0	8.6	9.2	9.7
Male (1,000).....	10,388	14,278	13,986	13,324	13,029	11,929	18,107	28,184	26,888	21,142
Percent distribution:										
Child of householder ¹	54.3	54.3	59.7	58.8	61.3	9.5	10.5	13.3	14.2	14.5
Family householder or spouse.....	30.0	21.3	16.4	17.1	15.3	79.3	68.4	60.1	56.2	58.1
Nonfamily householder.....	5.4	11.1	9.6	9.5	9.5	6.5	15.3	16.1	16.6	15.7
Other.....	10.3	13.3	14.3	14.6	14.0	4.8	7.9	10.5	10.9	11.7
Female (1,000).....	11,969	14,844	14,148	13,787	13,433	12,637	16,098	28,673	21,887	21,494
Percent distribution:										
Child of householder ¹	41.3	42.7	47.8	46.7	47.5	6.6	7.0	8.0	8.0	7.7
Family householder or spouse.....	44.7	36.2	32.0	32.4	31.2	88.1	78.1	75.5	74.9	74.9
Nonfamily householder.....	4.2	8.1	6.9	7.5	7.5	3.5	8.8	9.7	9.6	9.7
Other.....	9.7	13.1	13.3	13.4	13.9	3.9	6.2	6.7	7.5	7.7

¹ Includes unmarried college students living in dormitories.

Source: U.S. Bureau of the Census, *1970 and 1980 Census of Population*, PC(2)-4B and *Current Population Reports*, series P-20, No. 423 and earlier reports.

NO. 67. FAMILY GROUPS WITH CHILDREN UNDER 18, BY RACE AND TYPE: 1970 TO 1987

[As of March. Based on Current Population Survey; see headnote, table 66. For definition of family types, see text, section 1]

PRESENCE OF PARENTS AND MARITAL STATUS	1970, total (1,000)	1980, total (1,000)	1987									
			Number (1,000)			Percent distribution			Percent, by type			
			Total ¹	White	Black	Total ¹	White	Black	All family groups	Family households	Re-lated sub-families	Un-related sub-families
Total with children under 18	28,831	22,160	34,242	28,180	4,963	100.0	100.0	100.0	100.0	83.2	6.8	1
Two-parent family groups	25,823	25,231	25,005	22,078	2,928	73.0	78.3	41.5	100.0	98.8	1.4	
One-parent family groups	3,008	6,920	9,236	6,104	2,904	27.0	21.7	58.5	100.0	78.5	17.0	4
Maintained by mother	3,415	8,230	8,128	5,190	2,747	23.7	18.4	55.3	100.0	77.5	17.9	4
Never married	246	1,083	2,575	1,015	1,512	7.5	3.8	30.5	100.0	61.3	34.7	4
Spouse absent	1,377	1,743	1,734	1,118	563	5.1	4.0	11.3	100.0	83.7	13.6	2
Separated	982	1,483	1,512	970	499	4.4	3.4	10.1	100.0	84.8	12.2	3
Divorced	1,109	2,721	3,309	2,708	536	9.7	9.6	10.8	100.0	84.4	9.0	6
Widowed	882	703	511	353	139	1.5	1.3	2.6	100.0	93.0	5.1	2
Maintained by father	389	882	1,107	914	157	3.2	3.2	3.2	100.0	86.3	11.1	2
Never married	22	83	209	148	56	.6	.5	1.1	100.0	73.7	23.9	2
Spouse absent	247	181	252	209	29	.7	.7	.8	100.0	84.1	15.1	
Divorced	NA	340	576	497	85	1.7	1.9	1.3	100.0	90.3	6.1	3
Widowed	124	107	89	58	7	.2	.2	.1	100.0	100.0	-	

- Represents or rounds to zero. NA Not available. ¹ Includes other races, not shown separately. ² Includes divorced.

NO. 68. FAMILIES, BY SIZE AND PRESENCE OF CHILDREN: 1960 TO 1987

[In thousands, except as indicated. As of March. Excludes members of Armed Forces except those living off post or with the families on post. Based on Current Population Survey; see text, section 1 and Appendix B. For definition of families, see text, section 1]

CHARACTERISTIC	1980, total	1986, total	1987								
			All races ¹			White		Black		Hispanic ⁴	
			Total ²	Married couple	Female house- holder ³	Total ²	Married couple	Total ²	Married couple	Total ²	Married couple
Total	88,588	82,706	84,491	51,537	10,446	56,878	46,410	7,096	3,742	4,403	3,111
Size of family:											
2 persons	23,481	25,349	26,323	19,784	4,902	23,490	18,380	2,335	1,059	1,114	84
3 persons	13,803	14,804	15,395	11,713	3,118	13,123	10,498	1,874	911	1,005	84
4 persons	12,372	13,259	13,620	12,029	1,412	11,783	10,794	1,431	682	1,099	86
5 persons	5,930	5,894	5,900	5,284	555	4,905	4,578	764	476	657	53
6 persons	2,461	2,175	2,078	1,802	249	1,814	1,481	362	231	293	24
7 or more persons	1,723	1,225	1,176	945	209	781	680	331	184	235	18
Median size (number) ⁵	3.29	3.23	3.19	3.25	2.86	3.13	3.20	3.52	3.65	3.83	4.0
Own children under age 18:											
None	28,528	31,504	32,583	26,892	4,147	28,059	24,824	2,812	1,719	1,544	1,08
1	12,443	13,108	13,719	10,032	3,079	11,539	8,892	1,779	822	984	87
2	11,470	11,645	11,936	9,606	2,072	10,179	8,582	1,386	696	1,020	73
3	4,874	4,486	4,464	3,628	706	3,677	3,174	825	317	589	41
4 or more	2,435	1,873	1,779	1,376	381	1,321	1,138	394	187	285	20
Own children under age 6:											
None	46,063	48,506	47,818	39,571	8,031	43,281	35,753	5,275	2,819	2,825	1,84
1	9,441	9,677	10,030	8,031	1,784	8,489	7,123	1,284	682	1,001	73
2 or more	4,047	4,525	4,643	3,935	850	3,846	3,534	537	282	576	44
PERCENT DISTRIBUTION											
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Size of family:											
2 persons	39.4	40.4	40.8	38.4	46.9	42.2	39.6	32.9	28.3	25.3	20.0
3 persons	22.8	22.6	23.9	22.7	29.8	23.6	22.6	26.4	24.3	22.8	20.0
4 persons	20.8	21.1	21.1	23.3	13.5	21.2	23.3	20.2	23.6	25.0	27.0
5 persons	10.0	9.4	8.1	10.2	5.3	8.8	9.9	10.8	12.7	14.9	17.0
6 persons	4.1	3.5	3.2	3.5	2.4	2.9	3.2	5.1	6.2	6.7	7.0
7 or more persons	2.9	2.0	1.8	1.8	2.0	1.4	1.5	4.7	4.9	5.3	5.0
Own children under age 18:											
None	47.9	50.4	50.5	52.2	39.7	52.0	53.1	41.0	45.9	35.1	34.0
1	20.9	20.9	21.3	19.5	29.5	20.7	19.2	25.1	22.0	22.3	21.0
2	19.3	18.6	18.5	18.6	19.8	18.3	18.5	19.5	18.8	23.2	23.0
3	7.8	7.2	6.9	7.0	7.3	6.6	6.6	8.8	8.5	12.9	13.0
4 or more	4.1	3.0	2.8	2.7	3.8	2.4	2.5	5.6	5.0	6.5	6.0
Own children under age 6:											
None	77.4	77.4	77.2	76.8	76.9	77.7	77.0	74.3	75.3	64.2	62.0
1	15.9	15.4	15.6	15.6	16.9	15.2	15.3	18.1	17.7	22.7	23.0
2 or more	6.8	7.2	7.2	7.6	6.2	7.1	7.6	7.6	7.0	13.1	14.0

¹ Includes other races, not shown separately. ² Includes other types of families, not shown separately. ³ No spouse present. ⁴ Hispanic persons may be of any race. ⁵ For definition of median, see Guide to Tabular Presentation.

Source of tables 67 and 68: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 424 and earlier reports.

NO. 69. FAMILIES, BY NUMBER OF OWN CHILDREN UNDER 18 YEARS OLD: 1970 TO 1987

[Except as noted, as of March and based on Current Population Survey; see footnote, table 68. See also *Historical Statistics, Colonial Times to 1970*, series A 353-358]

RACE, HISPANIC ORIGIN, AND YEAR	Number of families (1,000)	PERCENT DISTRIBUTION BY NUMBER OF OWN CHILDREN UNDER 18 YEARS OLD						Average size of family
		All families	None	1	2	3	4 or more	
ALL FAMILIES ¹								
1970	51,586	100.0	44.1	18.2	17.4	10.6	9.8	3.58
1975	55,712	100.0	48.0	19.7	18.0	9.3	6.9	3.42
1980	59,550	100.0	47.9	20.9	19.3	7.8	4.1	3.29
1985	62,708	100.0	50.4	20.9	18.6	7.2	3.0	3.23
1987	64,491	100.0	50.5	21.3	18.5	6.9	2.8	3.19
WHITE FAMILIES								
1970	46,261	100.0	44.8	18.2	17.7	10.5	8.8	3.52
1975	49,451	100.0	47.2	19.4	18.0	9.2	6.2	3.38
1980	52,243	100.0	49.3	20.5	19.1	7.5	3.6	3.23
1985	54,400	100.0	51.8	20.5	18.3	6.8	2.6	3.16
1987	55,676	100.0	52.0	20.7	18.3	6.6	2.4	3.13
BLACK FAMILIES								
1970	4,857	100.0	38.9	17.5	14.8	10.1	18.5	4.13
1975	5,498	100.0	36.8	22.0	17.0	10.6	13.6	3.90
1980	6,184	100.0	38.2	23.4	20.0	10.2	6.2	3.87
1985	6,778	100.0	42.6	23.3	19.6	9.0	5.5	3.80
1987	7,096	100.0	41.0	25.1	19.5	8.8	5.6	3.52
HISPANIC FAMILIES ²								
1970	2,004	100.0	29.8	19.5	19.4	13.3	18.1	(NA)
1975	2,447	100.0	29.4	23.1	19.7	13.4	14.5	(NA)
1980	3,029	100.0	31.2	22.4	23.0	13.4	9.0	3.90
1985	3,939	100.0	33.9	22.8	22.0	12.2	6.9	3.86
1987	4,403	100.0	35.1	22.3	23.2	12.9	6.5	3.83

NA: Not available. ¹ Includes other races, not shown separately. ² Hispanic persons may be of any race. 1970 data as of April. Based on Census of Population.

Source: U.S. Bureau of the Census, *U.S. Census of Population, 1970*, and *Current Population Reports*, series P-20, No. 424 and earlier reports.

NO. 70. FAMILY HOUSEHOLDS WITH OWN CHILDREN UNDER AGE 18, BY TYPE OF FAMILY, 1970 TO 1987, AND BY AGE OF HOUSEHOLDER, 1987

[As of March. Excludes members of Armed Forces except those living off post or with their families on post. Based on Current Population Survey; see text, section 1, and Appendix III]

FAMILY TYPE	1970	1980	1985	1987						
				Total	15-24 years old	25-34 years old	35-44 years old	45-54 years old	55-64 years old	65 years old and over
NUMBER (1,000)										
Family households with children	26,731	31,022	31,112	31,888	1,780	11,582	12,574	4,824	996	161
Married couple	25,532	24,961	24,210	24,645	940	8,790	9,960	3,670	847	136
Male householder ¹	341	616	698	955	85	230	425	171	34	9
Female householder ¹	2,656	5,445	6,006	6,297	735	2,562	2,169	663	115	14
PERCENT DISTRIBUTION										
Family households with children	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Married couple	88.9	80.5	77.6	77.3	53.4	75.9	79.2	82.3	85.0	85.7
Male householder ¹	1.2	2.0	2.9	3.0	4.8	2.0	3.4	3.5	3.4	5.6
Female householder ¹	9.9	17.6	19.3	19.7	41.8	22.1	17.4	14.2	11.5	8.7
HOUSEHOLDS WITH CHILDREN, AS A PERCENT OF ALL FAMILY HOUSEHOLDS, BY TYPE										
Family households with children, total	55.6	52.1	49.6	48.5	58.9	76.8	81.2	43.9	10.2	1.8
Married couple	57.1	50.8	48.1	47.8	50.6	74.0	81.9	44.4	10.3	1.8
Male householder ¹	27.6	35.5	40.2	38.1	35.7	44.5	66.0	39.1	11.3	2.4
Female householder ¹	52.0	62.6	59.3	60.3	67.2	94.3	81.8	42.3	9.6	1.0

¹ No spouse present.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 424 and earlier reports.

No. 71. CHILDREN UNDER 18 YEARS OLD, BY PRESENCE OF PARENTS: 1970 TO 1987

[As of March. Excludes persons under 18 years old who maintained households or family groups. It is likely that most of the sizeable increase in children living with never married mothers is the result of new and more definitive coding procedures introduced by the Census Bureau in 1982. Based on Current Population Survey, see headnote, table 66]

RACE, HISPANIC ORIGIN, AND YEAR	Num- ber (1,000)	PERCENT LIVING WITH—							
		Both par- ents	Mother only					Father only	Neither parent
			Total	Di- vorced	Mar- ried, spouse absent	Single ¹	Wid- owed		
ALL RACES ²									
1970.....	69,162	65.2	10.6	3.3	4.7	.8	2.0	1.1	2.9
1980.....	63,427	76.7	16.0	7.5	5.7	2.8	2.0	1.7	3.6
1985.....	62,475	73.9	20.9	8.5	5.4	5.6	1.5	2.5	2.7
1986.....	62,763	73.9	21.0	8.5	5.3	5.7	1.4	2.5	2.6
1987.....	62,932	73.1	21.3	6.5	5.2	6.3	1.3	2.6	2.9
WHITE									
1970.....	58,790	59.5	7.8	3.1	2.8	.2	1.7	.9	1.8
1980.....	52,242	62.7	13.5	7.0	3.9	1.0	1.7	1.6	2.2
1985.....	50,836	60.0	15.6	8.1	4.1	2.1	1.3	2.4	2.0
1986.....	50,931	79.9	15.7	8.2	4.1	2.3	1.2	2.5	1.9
1987.....	51,112	79.1	16.1	8.4	4.0	2.7	1.1	2.6	2.2
BLACK									
1970.....	9,422	58.5	29.5	4.6	16.3	4.4	4.2	2.3	9.7
1980.....	9,375	42.2	43.9	10.9	16.2	12.8	4.0	1.9	11.9
1985.....	9,479	38.5	51.0	11.3	12.4	24.6	2.5	2.9	6.6
1986.....	9,532	40.6	50.6	11.1	12.0	24.9	2.8	2.4	6.3
1987.....	9,612	40.1	50.4	9.6	12.0	26.3	2.6	2.5	7.0
HISPANIC ³									
1970.....	⁴ 4,006	77.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1980.....	5,459	75.4	19.6	5.9	8.2	4.0	1.5	1.5	3.5
1985.....	6,057	67.9	26.6	7.3	11.1	6.5	1.7	2.2	3.3
1986.....	6,430	66.5	27.7	6.6	10.7	7.0	1.4	2.7	3.1
1987.....	6,647	65.5	27.7	6.0	9.3	8.8	1.6	2.8	4.0

NA Not available. ¹ Never married. ² Includes other races not shown separately. ³ Hispanic persons may be of any race. ⁴ All persons under 18 years old.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 423 and earlier reports.

No. 72. FEMALE FAMILY HOUSEHOLDERS WITH NO SPOUSE PRESENT—CHARACTERISTICS, BY RACE: 1970 TO 1987

[As of March. 1970 covers persons 14 years old and over; beginning 1980, covers persons 15 years old and over. Based on Current Population Survey, see headnote, table 66]

CHARACTERISTIC	Unit	WHITE					BLACK				
		1970	1980	1985	1990	1987	1970	1980	1985	1986	1987
Female family house- holder.....	1,000.....	4,106	6,062	6,941	7,111	7,227	1,349	2,486	2,964	2,874	2,867
Percent of all families.....	Percent.....	9.1	11.6	12.8	12.9	13.0	28.3	40.3	43.7	41.5	41.8
Median age.....	Years.....	50.4	43.7	42.7	42.4	42.1	41.3	37.4	38.0	37.9	37.5
Marital status:											
Single (never married).....	Percent.....	9.2	10.6	11.9	12.8	13.8	16.2	27.3	33.4	35.4	37.3
Married, spouse absent.....	Percent.....	18.5	18.9	16.0	15.8	16.0	39.7	28.6	21.1	21.2	20.7
Separated.....	Percent.....	11.4	13.9	13.8	13.5	13.8	33.8	26.8	19.3	19.7	18.6
Other.....	Percent.....	7.2	3.0	2.1	2.3	2.2	5.9	1.8	1.7	1.5	2.1
Widowed.....	Percent.....	47.0	32.7	28.3	26.6	27.8	29.9	22.2	21.2	18.4	18.0
Divorced.....	Percent.....	25.3	39.6	43.8	42.8	42.4	14.2	21.9	24.5	25.1	24.0
Presence of children under 18:											
No own children.....	Percent.....	52.0	41.2	43.5	43.2	42.7	33.5	28.1	34.5	32.7	31.8
With own children.....	Percent.....	48.0	58.8	56.5	56.8	57.3	66.6	71.9	65.5	67.3	68.3
1 child.....	Percent.....	18.8	26.1	28.9	29.3	29.6	19.1	26.3	27.5	25.0	29.2
2 children.....	Percent.....	15.0	19.9	18.6	19.2	19.1	14.4	23.2	21.6	22.8	22.1
3 children.....	Percent.....	7.8	7.4	6.4	5.9	6.3	12.5	11.1	10.1	11.7	10.0
4 or more children.....	Percent.....	6.4	3.4	2.6	2.4	2.3	20.6	11.3	6.3	7.8	6.9
Children per family.....	Number.....	1.00	1.03	.96	.95	.96	1.63	1.51	1.29	1.34	1.28

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 424 and earlier reports.

**NO. 73. NONFAMILY HOUSEHOLDS, BY AGE OF HOUSEHOLDER AND PRESENCE OF NONRELATIVES:
1970 TO 1987**

[1970, persons 14 years old and over; 1980 and 1987, 15 years old and over. See headnote, table 68]

ITEM	NONFAMILY HOUSEHOLDS		MALE HOUSEHOLDER (1,000)					FEMALE HOUSEHOLDER (1,000)				
	Total (1,000)	Per-cent	Total	15-24 yr old	25-44 yr old	45-64 yr old	65 yr old and over	Total	15-24 yr old	25-44 yr old	45-64 yr old	65 yr old and over
1970 (April), total	12,430	100.0	4,829	1,571	1,348	1,386	1,318	7,601	1,512	815	2,577	3,897
1-person (living alone)	11,115	89.4	3,965	1,345	1,134	1,263	1,224	7,150	1,326	696	2,421	3,708
Nonrelatives present	1,315	10.6	864	226	212	132	94	851	184	120	156	191
1980 (March), total	21,326	100.0	8,807	1,857	3,854	1,822	1,585	12,419	1,188	2,188	3,848	5,893
1-person (living alone)	18,295	85.2	6,965	947	2,920	1,615	1,486	11,330	779	1,808	2,901	5,842
Nonrelatives present	2,930	13.8	1,841	620	934	209	79	1,089	410	380	147	141
1987 (March), total	24,988	100.0	10,852	1,244	5,294	2,195	1,918	14,336	1,014	3,325	3,147	6,860
1-person (living alone)	21,126	84.6	8,246	661	3,881	1,903	1,802	12,681	591	2,619	2,963	6,709
Nonrelatives present	3,860	15.4	2,606	582	1,414	293	117	1,454	423	706	185	141

¹ Persons 14-24 years old.

Source: U.S. Bureau of the Census, *Census of Population: 1970*, vol. II, part 4B; *Current Population Reports*, series P-20, No. 423 and unpublished data.

NO. 74. NONFAMILY HOUSEHOLDERS, BY MARITAL STATUS: 1970 TO 1987

[In thousands of persons. As of March. 1970, persons 14 years old and over; 1980 and 1987, persons 15 years old and over. Based on Current Population Survey; see headnote, table 68]

MARITAL STATUS	1970	1980	1987				MARITAL STATUS	1970	1980	1987			
			Total	Under 35 yr.	35-64 yr.	65 yr old and over				Total	Under 35 yr.	35-64 yr.	65 yr old and over
Males	4,083	8,807	10,852	4,553	4,980	1,918	Females	7,882	12,419	14,336	3,088	4,380	6,860
Single	1,765	4,371	5,208	3,498	1,383	328	Single	1,808	3,302	3,930	2,465	978	486
Married ¹	545	1,051	1,179	356	645	178	Married ¹	516	875	806	179	435	191
Widowed	908	1,177	1,282	3	223	1,057	Widowed	4,915	6,589	6,986	8	1,283	5,695
Divorced	756	2,209	2,983	1,051	1,931	357	Divorced	844	1,873	2,633	443	1,584	506

¹ No spouse present.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 423 and earlier reports; and unpublished data.

NO. 75. PERSONS LIVING ALONE, BY SEX AND AGE: 1970 TO 1987

[As of March. Based on Current Population Survey; see headnote, table 68]

SEX AND AGE	NUMBER OF PERSONS (1,000)						PERCENT DISTRIBUTION				
	1970	1975	1980	1985	1986	1987	1970	1975	1980	1985	1987
Both sexes	16,851	13,836	18,295	20,802	21,178	21,128	100.0	100.0	100.0	100.0	100.0
15-24 years old ¹	558	1,111	1,728	1,324	1,388	1,252	5.1	8.0	9.4	6.4	5.9
25-44 years old	1,804	2,744	4,729	8,228	8,523	6,500	14.8	19.7	25.8	30.2	30.8
45-64 years old	3,622	4,076	4,514	4,939	4,949	4,865	33.4	29.2	24.7	24.0	23.0
65-74 years old	2,815	3,281	3,851	4,130	4,210	4,160	25.9	23.5	21.0	20.0	19.7
75 years old and over	2,256	2,727	3,477	3,982	4,107	4,351	20.8	19.6	19.0	19.3	20.6
Male	3,532	4,918	6,966	7,922	8,286	8,246	32.5	35.3	38.1	38.5	38.0
15-24 years old ¹	274	610	947	750	735	661	2.5	4.4	5.2	3.6	3.1
25-44 years old	933	1,689	2,920	3,713	3,952	3,881	8.8	12.1	15.0	16.0	16.4
45-64 years old	1,152	1,329	1,613	1,845	1,918	1,903	10.6	9.5	8.8	9.0	9.0
65-74 years old	611	723	775	868	945	937	5.6	5.2	4.2	4.2	4.4
75 years old and over	563	567	711	748	736	865	5.2	4.1	3.9	3.6	4.1
Female	7,318	9,021	11,330	12,880	12,893	12,881	67.5	64.7	61.9	61.5	61.0
15-24 years old ¹	282	501	779	573	654	591	2.6	3.6	4.3	2.8	2.8
25-44 years old	671	1,055	1,809	2,514	2,571	2,619	6.2	7.6	9.9	12.2	12.4
45-64 years old	2,470	2,747	2,901	3,095	3,031	2,963	22.8	19.7	15.9	15.0	14.0
65-74 years old	2,204	2,558	3,076	3,262	3,265	3,223	20.3	18.4	16.8	15.8	15.3
75 years old and over	1,693	2,160	2,766	3,236	3,371	3,486	15.6	15.5	15.1	15.7	16.5

¹ 1970 and 1975, persons 14-24 years old.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 423 and earlier reports; and unpublished data.

No. 76. POPULATION IN INSTITUTIONS AND OTHER GROUP QUARTERS, BY SEX AND TYPE OF QUARTERS: 1960 TO 1980

[In thousands. As of April 1. Based on sample data and subject to sampling variability; see text, section 1 and Appendix III. See *Historical Statistics, Colonial Times to 1970*, series A 350-371, for inmates of institutions]

TYPE OF QUARTERS	1960	1970			1980		
		Total	Male	Female	Total	Male	Female
Total.....	4,902	5,738	3,438	2,349	5,738	3,153	2,596
Institutional inmates.....	1,887	2,127	1,126	1,000	2,482	1,231	1,261
Homes for the aged and dependent.....	470	928	299	629	1,426	422	1,004
Mental hospitals and residential treatment centers.....	630	434	245	189	255	157	99
Correctional institutions.....	346	328	314	15	486	439	27
Tuberculosis hospitals.....	65	17	12	5	8	6	1
Chronic disease hospitals (excl. TB and mental).....	42	67	38	29	61	36	25
Homes and schools for the mentally handicapped.....	175	202	114	88	149	85	85
Homes and schools for the physically handicapped.....	24	23	16	6	27	15	12
Homes for dependent and neglected children.....	73	48	28	19	38	24	14
Homes for unwed mothers.....	3	4	(Z)	4	2	-	2
Training schools for juvenile delinquents.....	48	66	53	14	42	34	8
Detention homes.....	11	10	7	4	17	14	3
College dormitories.....	829	1,765	891	874	1,994	989	1,006
Military quarters.....	868	1,025	1,005	20	671	613	58
Rooming and boarding houses.....	634	330	191	139	176	107	89
Other.....	634	539	224	315	404	212	192

- Represents or rounds to zero. Z Fewer than 500.
Source: U.S. Bureau of the Census, *U.S. Census of Population: 1980*, vol. I, chapter D, and vol. II; *Census of Population: 1970*, vols. I and II; and *1980 Census of Population*, vol. 2 (PC80-2-4D).

No. 77. RELIGIOUS PREFERENCE, CHURCH MEMBERSHIP AND ATTENDANCE: 1957 TO 1987

[In percent. Covers civilian noninstitutional population, 16 years old and over. Data represent averages of the combined results of several surveys during year. Data are subject to sampling variability, see source]

YEAR	RELIGIOUS PREFERENCE					Church/ syna- gogue mem- bers	Persons attend- ing church/ syna- gogue ¹	AGE AND REGION	Church/ syna- gogue members, 1987
	Protes- tant	Catho- lic	Jewish	Other	None				
1957.....	66	28	3	1	3	² 73	47	16-29 years old.....	62
1967.....	67	25	3	3	2	³ 73	43	30-49 years old.....	66
1975.....	62	27	2	4	6	71	41	50 years and over.....	76
1980.....	81	26	2	2	7	69	40		
1985.....	57	26	2	4	9	71	42	East ⁴	69
1986.....	59	27	2	4	8	69	40	Midwest ⁵	71
1987.....	57	26	2	4	9	69	40	South ⁶	76
								West ⁷	58

¹ Persons who attended a church or synagogue in the last seven days. ² 1962 data. ³ 1966 data. ⁴ ME, NH, RI, NY, CT, VT, MA, NJ, PA, WV, DE, MD, and DC. ⁵ OH, IN, IL, MI, MN, WI, IA, ND, SD, KS, NE, and MO. ⁶ KY, TN, VA, NC, SC, GA, FL, AL, MS, TX, AR, OK, and LA. ⁷ AZ, NM, CO, NV, MT, ID, WY, UT, CA, WA, OR, AK, and HI.
Source: Gallup Opinion Poll, Princeton, NJ, "Religion in America" in *The Gallup Report*, periodic.

No. 78. RELIGIOUS BODIES—CHURCH MEMBERSHIP, 1960 TO 1986, AND NUMBER OF CHURCHES, 1986

[Membership in thousands, except as indicated. See headnote, table 79. See also *Historical Statistics, Colonial Times to 1970*, series H 793-799]

RELIGIOUS BODY	MEMBERSHIP						Number of church- es, 1986
	1960	1970	1975	1980	1985	1986	
Total.....	114,449	131,045	131,013	134,817	142,926	142,800	346,102
Members as percent of population ¹	64	63	61	59	60	59	(x)
Average members per local church.....	359	399	393	401	413	413	(x)
Buddhist Churches of America.....	20	100	60	60	100	100	100
Eastern Churches.....	2,699	3,850	3,696	3,823	4,026	3,980	1,662
Jews ²	5,367	5,870	6,115	5,920	5,835	5,814	3,416
Old Catholic, Polish National Catholic, and Armenian Churches.....	590	848	848	924	1,024	829	426
The Roman Catholic Church.....	42,105	48,215	48,862	50,450	52,655	52,693	23,561
Protestants ³	63,669	71,713	71,043	73,479	79,096	78,991	315,810
Miscellaneous ⁴		449	372	161	191	192	1,127

X Not applicable. ¹ Based on Bureau of the Census estimated total population as of July 1. ² Estimates of the Jewish community including those identified with Orthodox, Conservative and Reformed synagogues or temples. ³ Includes nonprotes-
tant bodies such as "Latter-day Saints" and "Jehovah's Witnesses." ⁴ Includes non-Christian bodies such as "Spiritualists,"
"Ethical Culture Movement," and "Unitarian-Universalists."
Source: National Council of the Churches of Christ in the United States of America, New York, NY, *Yearbook of American and Canadian Churches*, annual. (Copyright.)

NO. 79. RELIGIOUS BODIES—SELECTED DATA

[Represents latest information available from religious bodies with memberships of 50,000 or more; excludes a few groups giving no data. Not all groups follow same calendar year nor count membership in same way; some groups give only approximate figures. Roman Catholics count all baptized persons, including infants; Jewish statistics are estimates of the number of persons living in Jewish households including as a consequence of intermarriage, approximately 7.4 percent non-Jewish persons. Eastern Orthodox Churches include all persons in their nationality or cultural groups; most Protestant bodies count only persons who have attained full membership, and previous estimates have indicated that all but a small minority of these are over 11 years of age; however, many Lutheran bodies and The Episcopal Church report all baptized persons, and not only those confirmed. Data which appear in italics are "noncurrent," i.e., they are reported for 1980 or earlier. All other data are "current" and were reported in 1986 or 1987]

RELIGIOUS BODY	Year	Churches reported	Membership (1,000)	Pastors serving parishes	Sunday school enrollment ¹ (1,000)
Total.....	(x)	346,102	142,800	328,586	25,738
Bodies with membership of 50,000 or more.....	(x)	330,824	141,249	314,380	25,488
Current data.....	(x)	208,325	105,858	198,259	(NA)
Noncurrent data.....	(x)	122,499	35,391	116,131	(NA)
<i>African Methodist Episcopal Church</i>	1981	6,200	2,210	6,050	(NA)
<i>African Methodist Episcopal Zion Church</i>	1986	6,057	1,195	6,000	217
<i>American Baptist Association</i>	1986	1,705	250	1,740	(NA)
<i>American Baptist Churches in the U.S.A.</i>	1986	5,664	1,576	4,836	385
<i>American Carpatho-Russian Orthodox Greek Catholic Church</i>	1976	70	100	61	(NA)
<i>American Lutheran Church, The</i> ²	1986	4,959	2,319	4,720	582
<i>Antiochian Orthodox Christian Archdiocese of North America, The</i>	1984	120	260	155	(NA)
<i>Apostolic Catholic Assyrian Church of the East, N. American Diocese</i>	1984	24	80	54	(NA)
<i>Armenian Church of America, Diocese of the</i>	1979	66	450	45	(NA)
<i>Assemblies of God</i>	1986	10,886	2,135	15,221	1,405
<i>Baptist Bible Fellowships, International</i>	1986	3,449	1,406	3,400	750
<i>Baptist General Conference</i>	1987	762	131	1,200	75
<i>Baptist Missionary Association of America</i>	1986	1,359	228	1,500	98
<i>Buddhist Churches of America</i>	1984	100	100	70	(NA)
<i>Bulgarian Eastern Orthodox Church (Diocese of N. and S. America and Australia)</i>	1971	13	86	(NA)	(NA)
<i>Christian and Missionary Alliance, The</i>	1986	1,691	239	1,654	168
<i>Christian Brethren (a.k.a. Plymouth Brethren)</i>	1984	1,150	98	(NA)	(NA)
<i>Christian Church (Disciples of Christ)</i>	1986	4,221	1,107	4,002	338
<i>Christian Churches and Churches of Christ</i>	1986	5,566	1,083	(NA)	(NA)
<i>Christian Congregation, Inc., The</i>	1986	1,450	105	1,448	58
<i>Christian Methodist Episcopal Church</i>	1983	2,340	719	2,340	(NA)
<i>Christian Reformed Church in North America</i>	1985	650	220	(NA)	(NA)
<i>Church of God, The</i>	1978	2,035	76	1,910	(NA)
<i>Church of God (Anderson, IN)</i>	1986	2,296	189	1,994	200
<i>Church of God (Cleveland, TN)</i>	1984	5,346	506	6,341	(NA)
<i>Church of God in Christ, The</i>	1982	9,982	3,710	9,204	(NA)
<i>Church of God in Christ, International, The</i>	1982	300	200	700	(NA)
<i>Church of God of Prophecy, The</i>	1986	2,062	74	5,517	95
<i>Church of Jesus Christ of Latter-day Saints, The</i>	1985	8,396	3,880	25,186	(NA)
<i>Church of the Brethren</i>	1986	1,059	156	984	59
<i>Church of the Nazarene</i>	1986	5,018	531	4,088	835
<i>Churches of Christ</i>	1987	13,384	1,624	(NA)	(NA)
<i>Community Churches, International Council of</i>	1987	350	200	(NA)	(NA)
<i>Congregational Christian Churches, National Association of</i>	1985	464	108	563	(NA)
<i>Conservative Baptist Association of America</i>	1982	1,140	225	(NA)	(NA)
<i>Coptic Orthodox Church</i>	1986	26	115	28	(NA)
<i>Cumberland Presbyterian Church</i>	1986	811	98	573	46
<i>Episcopal Church, The</i>	1986	7,054	2,505	7,887	558
<i>Evangelical Covenant Church, The</i>	1986	570	86	517	71
<i>Evangelical Free Church of America</i>	1986	880	96	(NA)	(NA)
<i>Evangelical Lutheran Churches, The Association of</i> ²	1986	250	103	298	(NA)
<i>Free Methodist Church of North America</i>	1986	1,048	72	1,079	110
<i>Free Will Baptists</i>	1986	2,483	208	2,800	156
<i>Friends United Meeting</i>	1986	533	56	297	26
<i>Full Gospel Fellowship of Churches and Ministers, International</i>	1985	450	65	850	(NA)
<i>General Association of Regular Baptist Churches</i>	1981	1,571	301	2,000	(NA)
<i>General Baptists (General Association of)</i>	1986	871	72	(NA)	(NA)
<i>Greek Orthodox Archdiocese of North and South America</i>	1977	535	1,950	610	(NA)
<i>Independent Fundamental Churches of America</i>	1980	1,019	120	782	(NA)
<i>International Church of the Foursquare Gospel</i>	1986	1,250	186	1,264	43
<i>Jehovah's Witnesses</i>	1986	8,336	752	-	-
<i>Jews</i> ³	1986	3,416	5,814	(NA)	(NA)
<i>Liberty Baptist Fellowship</i>	1983	267	130	374	(NA)
<i>Lutheran Church in America</i> ²	1986	5,832	2,696	5,226	623

See footnotes at end of table.

No. 79. RELIGIOUS BODIES—SELECTED DATA—Continued

[See headnote, p. 55]

RELIGIOUS BODY	Year	Churches reported	Member-ship (1,000)	Pastors serving parishes	Sunday school enrollment ¹ (1,000)
Bodies with membership of 50,000 or more—Con.					
Lutheran Church—Missouri Synod, The.....	1986	5,897	2,631	5,261	658
Mennonite Church	1987	989	91	1,562	112
National Baptist Convention of America.....	1959	11,398	2,089	7,598	(NA)
National Baptist Convention, U.S.A., Inc.....	1958	26,000	5,507	26,000	(NA)
National Primitive Baptist Convention, Inc.....	1975	606	250	460	(NA)
North American Old Roman Catholic Church.....	1986	133	63	109	9
Old Order Amish Church	1986	696	63	(NA)	(NA)
Orthodox Church in America.....	1978	440	1,000	457	(NA)
Pentecostal Church of God.....	1986	1,144	91	(NA)	68
Pentecostal Holiness Church, International.....	1984	1,461	113	1,530	(NA)
Polish National Catholic Church of America.....	1980	162	282	141	(NA)
Presbyterian Church in America	1986	913	188	(NA)	91
Presbyterian Church (U.S.A.)	1986	11,513	3,007	10,925	1,096
Primitive Baptists.....	1980	1,000	72	(NA)	(NA)
Progressive National Baptist Convention, Inc.....	1967	655	522	(NA)	(NA)
Reformed Church in America.....	1986	926	340	852	102
Reorganized Church of Jesus Christ of Latter-day Saints.....	1986	1,094	192	16,585	(NA)
Roman Catholic Church, The.....	1986	23,561	52,893	34,471	7,216
Romanian Orthodox Episcopate of America.....	1986	34	60	28	2
Russian Orthodox Church Outside of Russia, The.....	1955	81	55	92	(NA)
Salvation Army, The.....	1986	1,092	433	2,509	109
Serbian Eastern Orthodox Church in the U.S.A. and Canada	1986	68	67	60	5
Seventh-day Adventists	1986	4,055	666	3,069	464
Southern Baptist Convention	1986	37,072	14,614	37,000	7,936
Triumph the Church and Kingdom of God in Christ (International).....	1972	475	54	860	(NA)
Ukrainian Orthodox Church in the U.S.A.....	1986	107	86	107	(NA)
Unitarian Universalist Association	1986	956	173	(NA)	39
United Church of Christ	1986	6,406	1,676	5,127	442
United Methodist Church, The.....	1985	37,876	9,192	21,589	(NA)
United Pentecostal Church, International.....	1986	3,410	500	(NA)	(NA)
Wesleyan Church, The.....	1986	1,704	109	1,342	189
Wisconsin Evangelical Lutheran Synod.....	1986	1,180	416	1,066	48
Bodies with membership of less than 50,000.....	(x)	15,278	1,551	14,178	306

- Represents zero. NA Not available. X Not applicable. ¹ Includes pupils, officers, and teachers. ² The American Lutheran Church, the Association of Evangelical Lutheran Churches and the Lutheran Church in America merged to form the Evangelical Lutheran Church in America (ELCA) during the period April 30–May 3, 1987. Since the statistics reported here are for 1986, those bodies reported data separately for the last time. ³ Estimate of size of Jewish community provided by American Jewish Yearbook. Estimates of the number of Jews holding membership in synagogues or temples of the four branches of Judaism amount to 3,750,000.

Source: National Council of the Churches of Christ in the United States of America, New York, NY, *Yearbook of American and Canadian Churches*, annual. (Copyright.)

No. 80. RELIGIOUS TELEVISION PROGRAM VIEWING, 1983 AND 1987, AND BY SELECTED CHARACTERISTICS, 1987

[In percent. As of April. Covers civilian noninstitutional population, 18 years old and over. Based on a sample (for 1987, 1,571 adults) and subject to sampling variability; contact source]

CHARACTERISTIC	PERCENTAGE WHO WATCH RELIGIOUS TELEVISION		Percent who don't watch	CHARACTERISTIC	PERCENTAGE WHO WATCH RELIGIOUS TELEVISION		Percent who don't watch
	Total ¹	Weekly			Total ¹	Weekly	
1983, total.....	42	18	58	Region: ³			
1987, total ²	49	25	51	East.....	36	17	64
Age:				Midwest	46	21	54
18–29 years old.....	39	18	61	South.....	62	37	38
30–49 years old.....	47	22	53	West.....	48	21	52
50 years and over.....	56	33	42	Education:			
Sex:				Not high school graduate.....	64	41	36
Male.....	44	21	56	High school graduate	46	22	54
Female.....	53	29	47	Some college.....	45	20	55
Race:				College graduate.....	42	18	58
White.....	46	23	54	Religious belief:			
Black.....	66	39	32	Evangelicals.....	79	48	21
				Nonevangelicals.....	36	15	64

¹ Includes those who watched religious television program 8 or more days ago. ² Includes other races, not shown separately. ³ See footnotes 4, 5, 6, and 7; table 77.

Source: Gallup Opinion Poll, Princeton, NJ, "Religion in America", *The Gallup Report*, April 1987.

NO. 81. CHRISTIAN CHURCH ADHERENTS, 1960, AND JEWISH POPULATION, 1967—STATES

[Christian church adherents were defined as "all members, including full members, their children and the estimated number of other regular participants who are not considered as communicant, confirmed or full members." Data on Christian church adherents are based on reports of 111 church bodies and exclude 18 church bodies that reported more than 100,000 members to the Yearbook of American and Canadian Churches (see table 79): African Methodist Episcopal Church; Progressive National Baptist Convention, Inc.; National Primitive Baptist Convention, Inc.; National Baptist Convention, U.S.A., Inc.; National Baptist Convention of America, Church of God in Christ, International; Church of God in Christ, Jehovah's Witnesses; United Pentecostal Church International; Polish National Catholic Church of America; General Association of Regular Baptist Churches; Free Will Baptists; Church of God of Prophecy; National Council of Community Churches; Reorganized Church of Jesus Christ of Latter Day Saints; Independent Fundamental Churches of America; Pentecostal Church of God of America, Inc.; and Wesleyan Church. Data on Jewish population are based primarily on a compilation of individual estimates made by local Jewish federations. Additionally, most large communities have completed Jewish demographic surveys from which the Jewish population can be determined. For composition of regions, see fig. 1, inside front cover]

REGION, DIVISION, AND STATE	CHRISTIAN CHURCH ADHERENTS, 1960		JEWISH POPULATION, 1967		DIVISION AND STATE	CHRISTIAN CHURCH ADHERENTS, 1960		JEWISH POPULATION, 1967	
	Number (1,000)	Percent of population ¹	Number (1,000)	Percent of population ¹		Number (1,000)	Percent of population ¹	Number (1,000)	Percent of population ¹
U.S.	111,736	46.3	5,944	2.6	South Atlantic	16,347	44.8	849	2.4
Region:					Delaware	239	40.1	10	1.5
Northeast	27,029	55.0	3,104	6.2	Maryland	1,573	39.7	219	4.8
Midwest	31,204	53.0	683	1.1	District of Columbia	304	47.8	25	4.0
South	37,516	49.8	1,115	1.4	Virginia	2,221	41.5	85	1.1
West	15,986	37.0	1,062	2.2	West Virginia	772	39.0	3	.2
New England	7,351	59.9	438	3.6	North Carolina	3,189	63.9	15	.2
Maine	481	41.0	9	.8	South Carolina	1,803	51.3	8	.2
New Hampshire	407	44.2	7	.7	Georgia	2,590	46.9	83	1.9
Vermont	244	47.7	5	.9	Florida	3,707	38.0	549	4.8
Massachusetts	3,899	64.0	287	4.9	East South Central	8,079	55.1	44	.3
Rhode Island	710	75.0	18	1.8	Kentucky	1,979	54.1	12	.3
Connecticut	1,890	60.8	113	3.6	Tennessee	2,485	54.1	20	.4
Middle Atlantic	19,848	53.4	2,886	7.2	Alabama	2,230	57.3	10	.2
New York	8,548	48.7	1,891	10.6	Mississippi	1,395	54.9	2	.1
New Jersey	3,823	59.3	426	5.7	West South Central	13,189	55.6	122	.8
Pennsylvania	7,177	60.5	347	2.9	Arkansas	1,282	58.1	2	.1
East North Central	39,999	59.9	937	1.3	Louisiana	2,404	57.2	17	.4
Ohio	5,306	46.1	136	1.3	Oklahoma	1,751	57.9	5	.2
Indiana	2,451	44.6	20	.4	Texas	7,732	54.5	99	.8
Illinois	6,251	54.7	280	2.2	Mountain	5,341	48.1	146	1.2
Michigan	3,932	42.5	85	.9	Montana	346	44.2	(2)	.1
Wisconsin	3,029	54.4	37	.8	Idaho	472	50.0	(2)	.1
West North Central	19,236	59.6	126	.8	Wyoming	207	44.0	(2)	.1
Minnesota	2,644	54.8	31	.8	Colorado	1,052	36.4	48	1.5
Iowa	1,781	51.1	7	.2	New Mexico	787	58.9	6	.4
Missouri	2,613	53.1	64	1.3	Arizona	1,065	39.2	69	2.2
North Dakota	482	73.6	1	.1	Utah	1,067	75.1	3	.2
South Dakota	482	69.9	(2)	.1	Nevada	233	29.1	20	2.1
Nebraska	990	53.1	7	.5	Pacific	19,749	33.8	914	2.6
Kansas	1,262	59.4	15	.6	Washington	1,275	30.9	23	.5
					Oregon	946	35.9	13	.5
					California	8,082	34.1	889	3.3
					Alaska	123	30.6	3	.5
					Hawaii	219	33.1	8	.8

Z Fewer than 500. ¹ Based on U.S. Bureau of the Census data for resident population enumerated as of April 1, 1960 and estimated as of July 1967.

Source: Christian church adherents—B. Quinn, H. Anderson, M. Bradley, P. Gostling, and P. Shriver, *Churches and Church Membership in the United States 1960*, Glenmary Research Center, Atlanta, GA, 1962 (copyright); Jewish population—American Jewish Committee and the American Jewish Publication Society, New York, NY, *American Jewish Year Book, 1968* (copyright).

NO. 82. NATIONAL NONPROFIT ASSOCIATIONS—NUMBER, BY TYPE: 1970 TO 1987

TYPE	1970	1985	1988	1987	TYPE	1970	1985	1988	1987
Total	16,734	14,738	18,121	20,894	Public affairs	486	1,066	1,836	2,217
Trade, business, commercial	2,895	3,118	3,719	3,927	Fraternal, foreign interest, national, ethnic	610	435	492	539
Agriculture	508	677	662	912	Religious	806	797	953	1,080
Legal, governmental, public administration, military	346	629	888	711	Veteran, hereditary, patriotic	198	208	261	340
Scientific, engineering, tech.	549	1,039	1,270	1,377	Hobby, avocational	444	910	1,311	1,386
Educational	1,389	2,376	2,622	1,217	Athletic sports	336	604	737	796
Cultural				1,759	Labor unions	226	235	252	233
Social welfare	475	984	1,450	1,641	Chambers of Commerce ²	110	105	142	159
Health, medical	630	1,413	1,890	2,045	Greek letter societies	394	318	331	335
					Fan clubs	(NA)	(NA)	(NA)	242

NA Not available. ¹ Includes associations not shown separately. ² National and binational.

Source: Gale Research Inc., Detroit, MI. Compiled from *Encyclopedia of Associations*, annual. (Copyright.)



Section 2

Vital Statistics

This section presents vital statistics—data on births; deaths; abortions; fetal deaths, including stillbirths; fertility; life expectancy; marriages; and divorces. Vital statistics are compiled for the country as a whole by the National Center for Health Statistics (NCHS) and published in its annual report, *Vital Statistics of the United States*, in certain reports of the *Vital and Health Statistics* series, and in the *Monthly Vital Statistics Report*. Reports in this field are also issued by the various State bureaus of vital statistics. Data on fertility, on age of persons at first marriage, and on marital status and marital history are compiled by the Bureau of the Census from its Current Population Survey (CPS; see text, section 1) and published in *Current Population Reports*, series P-20. Data on abortions are published by the Alan Guttmacher Institute, New York, NY in selected issues of *Family Planning Perspectives* and by the U.S. Centers for Disease Control in the annual *Abortion Surveillance Report—Legal Abortions*.

Registration of vital events.—The registration of births, deaths, fetal deaths, and other vital events in the United States is primarily a State and local function. The civil laws of every State provide for a continuous and permanent birth- and death-registration system. Many States also provide for marriage- and divorce-registration systems. Vital events occurring to U.S. residents outside the United States are not included in the data.

Births and deaths.—The live-birth, death, and fetal-death statistics prepared by NCHS are based on vital records filed in the registration offices of all States, of New York City, and of the District of Columbia. The annual collection of death statistics on a national basis began in 1900 with a national death-registration area of 10 States and the District of Columbia; a similar annual collection of birth statistics for a national birth-registration area began in 1915, also with 10 reporting States and the District of Columbia. Since 1933, the birth- and death-registration areas have comprised the entire United States, including Alaska (beginning 1959) and Hawaii (beginning 1960). National statistics on fetal deaths were first compiled for 1918 and annually since 1922.

Prior to 1951, birth statistics came from a complete count of records received in the Public Health Service (now received in NCHS). From 1951 through 1971, they were based on a 50-percent sample of all registered births (except for a complete count in 1955 and a 20- to 50-percent sample in 1967). Beginning in 1972, they have been based on a complete count for States participating in the Vital Statistics Cooperative Program (VSCP) (for details, see the technical appendix in *Vital Statistics of the United States*) and on a 50-percent sample of all other areas. Beginning 1986 all reporting areas participated in the VSCP. Mortality data have been based on a complete count of records for each area (except for a 50-percent sample in 1972). Beginning in 1970, births to, and deaths of nonresident aliens of the United States and U.S. citizens outside the United States have been excluded from the data. Fetal deaths and deaths among Armed Forces abroad are excluded. Data based on samples are subject to sampling error; for details, see annual issues of *Vital Statistics of the United States*.

Mortality statistics by cause of death are compiled in accordance with World Health Organization regulations according to the *International Classification of Diseases* (ICD). The ICD is revised approximately every 10 years. The ninth revision of the ICD was employed beginning in 1979. Deaths for prior years were classified according to the revision of the ICD in use at the time. Each revision of the ICD introduces a number of discontinuities in mortality statistics; for a discussion of those between the eighth and ninth revisions of the ICD, see *Monthly Vital Statistics Report*, vol. 28, No. 11, supplement.

Some of the tables present age-adjusted death rates in addition to crude death rates. Age adjusted death rates shown in this section were prepared using the direct method, in which age-specific death rates for a population of interest are applied to a standard population distributed by age. Age adjustment eliminates the differences in observed rates between points in time or among compared population groups that result from age differences in population composition.

Abortions.—The U.S. Centers for Disease Control (CDC) collects data on abortions annually from States which have a central health agency with a statewide reporting system. The Alan Guttmacher Institute, New York, NY also issues data on the number of abortions based on its own surveys of hospitals and physicians. The Guttmacher Institute also publishes data on the characteristics of abortions after adjusting CDC data for changes in the number of States reporting each year.

Fertility and life expectancy.—The total fertility rate, defined as the number of births that 1,000 women would have in their lifetime if, at each year of age, they experienced the birth rates occurring in the specified year, is compiled and published by NCHS. Other data relating to social and medical factors which affect fertility rates, such as contraceptive use and birth expectations, are collected and made available by both NCHS and the Bureau of the Census. NCHS figures are based on information in birth and fetal death certificates and on the periodic National Surveys of Family Growth; Bureau of the Census data are based on decennial censuses and the CPS.

Data on life expectancy, the average remaining lifetime in years for persons who attain a given age, are computed and published by NCHS. For details, see the technical appendix in *Vital Statistics of the United States*.

Marriage and divorce.—The compilation of nationwide statistics on marriages and divorces in the United States began in 1887-1888 when the National Office of Vital Statistics prepared estimates for the years 1867-1888. Although periodic updates took place after 1888, marriage and divorce statistics were not collected and published annually until 1944 by that Office. In 1957 and 1958, respectively, the same Office established marriage- and divorce-registration areas. Beginning in 1957, the marriage-registration area comprised 30 States, plus Alaska, Hawaii, Puerto Rico, and the Virgin Islands; it currently includes 42 States and the District of Columbia. The divorce-registration area, starting in 1958 with 14 States, Alaska, Hawaii, and the Virgin Islands, currently includes a total of 31 States and the Virgin Islands. Procedures for estimating the number of marriages and divorces in the registration States are discussed in *Vital Statistics of the United States*, Vol. III—*Marriage and Divorce*. Total counts of events for registration and nonregistration States are gathered by collecting already summarized data on marriages and divorces reported by State offices of vital statistics and by county offices of registration.

Another important source of data on marriage and divorce trends in the United States is the March supplement to the Current Population Survey conducted by the Bureau of the Census. For information on marital status, see section 1.

Vital statistics rates.—Except as noted, vital statistics rates computed by NCHS are based on decennial census population figures as of April 1 for 1940, 1950, 1960, 1970, and 1980; and on midyear population figures for other years, as estimated by the Bureau of the Census (see text, section 1).

Race.—Data by race for births, deaths, marriages, and divorces from NCHS are based on information contained in the certificates of registration. The Census Bureau's Current Population Survey obtains information on race by asking respondents to classify their race as: (1) White, (2) Black, (3) American Indian, Eskimo, or Aleut, or (4) Asian or Pacific Islander.

Statistical reliability.—For discussion of statistical collection, estimation, and sampling procedures, and measures of statistical reliability applicable to Census Bureau and NCHS data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

NO. 83. LIVE BIRTHS, DEATHS, MARRIAGES, AND DIVORCES: 1950 TO 1987

[Prior to 1960, excludes Alaska and Hawaii. Beginning 1970, excludes births to, and deaths of, nonresidents of the U.S. See Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series B 1-5, B 142, B 167, B 214, and B 216]

YEAR	NUMBER (1,000)					RATE PER 1,000 POPULATION				
	Births ¹	Deaths		Mar-riages ³	Di- vorces ⁴	Births ¹	Deaths		Mar-riages ³	Di- vorces ⁴
		Total	In- fant ²				Total	In- fant ²		
1950	3,632	1,452	104	1,067	365	24.1	9.6	29.2	11.1	2.6
1955	4,097	1,529	107	1,531	377	25.0	9.3	26.4	9.3	2.3
1957	4,300	1,633	112	1,518	381	25.3	9.6	26.3	8.9	2.2
1960	4,258	1,712	111	1,523	393	23.7	9.5	26.0	8.5	2.2
1965	3,760	1,828	93	1,800	479	19.4	9.4	24.7	9.3	2.5
1970	3,731	1,921	75	2,159	708	18.4	9.5	20.0	10.6	3.5
1971	3,556	1,828	88	2,190	773	17.2	9.3	19.1	10.6	3.7
1972	3,258	1,964	60	2,282	845	15.6	9.4	18.5	10.9	4.0
1973	3,137	1,973	56	2,284	915	14.8	9.3	17.7	10.8	4.3
1974	3,160	1,964	53	2,230	977	14.8	9.1	16.7	10.5	4.6
1975	3,144	1,893	51	2,153	1,036	14.6	8.8	16.1	10.0	4.8
1976	3,166	1,809	48	2,155	1,063	14.6	8.8	15.2	9.9	5.0
1977	3,327	1,900	47	2,178	1,091	15.1	8.6	14.1	9.9	5.0
1978	3,333	1,828	46	2,282	1,130	15.0	8.7	13.8	10.3	5.1
1979	3,494	1,914	46	2,331	1,181	15.6	8.5	13.1	10.4	5.3
1980	3,612	1,900	46	2,390	1,169	15.9	8.8	12.6	10.6	5.2
1981	3,629	1,978	43	2,422	1,213	15.8	8.6	11.9	10.8	5.3
1982	3,681	1,975	42	2,456	1,170	15.9	8.5	11.5	10.6	5.0
1983	3,669	2,019	41	2,446	1,156	15.5	8.6	11.2	10.5	4.9
1984	3,669	2,039	40	2,477	1,169	15.5	8.6	10.8	10.5	5.0
1985	3,761	2,066	40	2,413	1,190	15.8	8.7	10.6	10.1	5.0
1986	3,757	2,106	39	2,400	1,159	15.6	8.7	10.4	10.0	4.8
1987, prel	3,829	2,127	36	2,421	1,157	15.7	8.7	10.0	9.9	4.8

¹ Through 1957, adjusted for underregistration. ² Infants under 1 year, excluding fetal deaths; rates per 1,000 registered live births. ³ Includes estimates for some States through 1986 and also for 1976 and 1977 and marriage licenses for some States for all years except 1973 and 1975. Beginning 1976, includes nonlicensed marriages in California. ⁴ Includes reported annulments and some estimates State figures for all years. ⁵ Preliminary.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

NO. 84. LIVE BIRTHS AND DEATHS—20 LARGEST METROPOLITAN AREAS: 1986

[Excludes births to, and deaths of, nonresidents of U.S. Data are by place of residence. Metropolitan statistical areas (MSA's), consolidated metropolitan statistical areas (CMSA's) and New England County Metropolitan Areas (NECMA's), are as defined by the U.S. Office of Management and Budget as of June 30, 1987; see Appendix II for definitions and components]

METROPOLITAN AREA	NUMBER (1,000)			RATE PER 1,000 POPULATION		
	Births	Deaths		Births	Deaths	
		Total	In- fant ¹		Total	In- fant ¹
New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA ²	261,869	171,369	2,744	14.6	9.6	10.5
Los Angeles-Anaheim-Riverside, CA CMSA	247,483	96,595	2,224	18.9	7.4	9.0
Chicago-Gary-Lake County (IL), IL-IN-WI CMSA	130,021	68,677	1,641	16.0	8.5	12.8
San Francisco-Oakland-San Jose, CA CMSA	92,741	45,144	759	15.8	7.7	8.2
Philadelphia-Wilmington-Trenton, PA-NJ-DE-MD CMSA	89,318	56,922	1,006	15.3	9.7	11.3
Detroit-Ann Arbor, MI CMSA	69,032	41,324	846	15.0	9.0	12.3
Boston-Lawrence-Salem-Lowell-Brockton, MA NECMA	52,825	34,504	444	14.2	9.3	8.4
Dallas-Fort Worth, TX CMSA	71,680	23,784	727	19.7	6.5	10.1
Houston-Galveston-Brazoria, TX CMSA	67,600	20,862	643	18.5	5.7	9.5
Washington, DC-MD-VA MSA	57,393	24,226	705	16.1	8.8	12.3
Miami-Fort Lauderdale, FL CMSA	44,247	30,480	467	15.3	10.5	11.0
Cleveland-Akron-Lorain, OH CMSA	39,569	26,809	439	14.3	9.7	11.1
Atlanta, GA MSA	42,210	17,325	494	16.4	6.7	11.7
St. Louis, MO-IL MSA	36,346	22,895	447	15.7	9.4	11.7
Pittsburgh-Beaver Valley, PA CMSA	28,301	25,737	294	12.3	11.1	10.4
Minneapolis-St. Paul, MN-WI MSA	36,532	16,161	350	16.8	7.0	9.1
Seattle-Tacoma, WA CMSA	36,064	16,634	344	15.8	7.3	9.5
Baltimore, MD MSA	35,582	21,130	424	15.6	9.3	11.9
San Diego, CA MSA	39,044	15,608	356	17.7	7.1	9.1
Tampa-St. Petersburg-Clearwater, FL MSA	24,557	23,879	278	12.8	12.5	11.3

¹ Infants under 1 year, excluding fetal deaths; rates per 1,000 registered live births. ² CT portion of CMSA covers all of Fairfield County.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual.

No. 85. BIRTHS AND BIRTH RATES: 1960 TO 1966

[Births in thousands, except as indicated. Beginning 1970, excludes births to nonresidents of U.S. For population bases used to derive these data, see text, section 2. See Appendix B. Minus sign (-) indicates decrease. See also *Historical Statistics: Colonial Times to 1970*, series B 1, B 5-10, and B 12-20]

ITEM	1960	1965	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Live births ¹	4,268	3,789	3,731	3,144	2,808	2,839	2,829	2,841	2,839	2,869	2,781	2,78
Average annual percent change ²	.8	-2.5	-.2	-3.4	2.7	3.4	5	1.4	-1.1	.8	2.5	-
White	3,801	3,124	3,081	2,552	2,808	2,839	2,809	2,842	2,804	2,824	2,881	2,871
Black	802	581	572	512	578	590	588	583	586	593	606	62
Male	2,180	1,927	1,915	1,613	1,791	1,853	1,860	1,886	1,868	1,879	1,928	1,921
Female	2,078	1,833	1,816	1,531	1,709	1,780	1,789	1,795	1,773	1,790	1,833	1,83
Males per 100 females	104.9	105.1	105.5	105.4	105.2	105.3	105.2	105.1	105.2	105.0	105.2	105.
Age of mother												
Under 20 years old	544	599	655	595	580	562	537	524	499	480	478	47
20-24 years old	1,427	1,397	1,419	1,094	1,189	1,226	1,212	1,208	1,180	1,142	1,141	1,10
25-29 years old	1,093	926	985	837	1,089	1,108	1,126	1,152	1,148	1,166	1,201	1,20
30-34 years old	588	529	428	376	517	550	581	605	625	658	696	72
35-39 years old	360	283	180	115	135	141	148	168	180	198	214	23
40 years old or more	87	85	53	28	24	24	25	26	27	28	29	3
Age of father												
Under 20 years old	123	140	186	159	136	137	129	125	118	109	108	10
20-24 years old	980	984	1,015	779	784	803	785	788	722	696	685	65
25-29 years old	1,193	1,011	1,085	979	1,055	1,082	1,083	1,093	1,070	1,067	1,081	1,05
30-34 years old	875	681	590	537	702	739	768	780	782	806	837	84
35-39 years old	516	415	298	213	284	275	286	319	335	356	388	38
40 years old or more	383	302	214	135	135	139	141	149	153	160	167	174
Age not stated	197	246	330	342	418	437	437	447	461	475	502	524
Birth rate per 1,000 population	23.7	19.4	18.4	14.6	15.8	15.9	15.8	15.9	15.8	15.5	15.8	15.8
White	22.7	18.3	17.4	13.8	14.5	14.9	14.8	14.9	14.6	14.5	14.8	14.5
Black	31.9	27.7	25.3	20.7	22.0	21.6	21.6	21.4	20.9	20.6	21.1	21.2
Male	24.7	20.3	19.4	15.4	16.4	16.8	16.7	16.7	16.4	16.3	16.6	16.4
Female	22.8	18.6	17.4	13.8	14.8	15.1	15.0	15.1	14.7	14.7	15.0	14.8
Plural birth ratio ³	20.4	20.1	19.1	19.2	19.5	19.3	19.7	19.9	20.3	20.2	21.0	21.8
White	19.3	19.0	17.3	18.5	18.8	18.6	18.8	19.2	19.6	19.6	20.4	21.2
Black	(NA)	(NA)	22.8	23.1	24.2	24.1	24.7	24.1	24.5	24.2	25.3	24.9
Birth rate per 1,000 women ⁴	118.0	98.5	87.9	66.0	67.2	68.4	67.4	67.3	66.8	65.4	68.2	68.4
White ⁵	119.2	91.4	84.1	62.6	63.4	64.7	63.9	63.9	62.4	62.2	63.0	61.9
Black ⁵	183.5	139.2	115.4	87.9	89.3	88.1	85.4	84.1	81.7	81.4	82.2	82.4
Age of mother												
10-14 years old	.8	.8	1.2	1.3	1.2	1.1	1.1	1.1	1.1	1.2	1.2	1.3
15-19 years old	56.1	70.5	88.3	55.6	52.3	53.0	52.7	52.9	51.7	50.9	51.3	50.6
20-24 years old	258.1	195.3	187.8	113.0	112.8	115.1	111.8	111.3	108.3	107.3	108.9	108.2
25-29 years old	187.4	181.6	145.1	108.2	111.4	112.9	12.0	111.0	108.7	108.3	110.5	109.2
30-34 years old	112.7	94.4	73.0	52.3	60.3	61.9	61.4	64.2	64.6	66.5	68.5	69.3
35-39 years old	58.2	48.2	31.7	19.5	19.5	19.8	20.0	21.1	22.1	22.8	23.9	24.3
40-44 years old	15.5	12.9	8.1	4.6	3.9	3.9	3.8	3.9	3.8	3.9	4.0	4.1
45-49 years old	6.9	.8	.5	.3	.2	.2	.2	.2	.2	.2	.2	.2
Birth rate per 1,000 men ⁶	84.8	77.4	71.5	53.8	55.8	57.0	56.3	56.4	55.3	55.0	55.7	55.8
White ⁷	86.8	72.3	67.1	49.6	51.6	52.9	52.9	52.5	51.5	51.2	51.9	50.9
Black ⁷	(NA)	(NA)	107.4	82.1	83.7	83.8	81.2	79.6	78.0	77.6	78.2	78.3
Age of father ⁸												
15-19 years old ⁹	21.5	20.0	25.8	20.8	18.5	18.8	18.5	18.7	18.4	18.0	18.2	18.1
20-24 years old	202.2	183.2	148.6	96.2	90.8	92.0	88.0	86.1	83.6	81.9	82.8	82.3
25-29 years old	232.6	193.7	175.0	123.9	122.4	123.0	119.7	117.4	113.9	111.0	111.9	109.1
30-34 years old	154.2	131.8	112.3	81.5	89.3	91.0	88.6	90.4	88.7	88.8	89.7	88.7
35-39 years old	87.4	73.9	57.6	39.9	42.2	42.8	43.2	44.2	45.3	45.7	47.0	46.6
40-44 years old	42.8	34.0	24.9	18.5	16.7	17.1	16.8	17.6	17.2	17.8	18.1	18.4
45-49 years old	18.7	13.2	9.1	6.1	6.0	6.1	6.3	6.4	6.4	6.3	6.6	6.7
50-54 years old	6.2	4.7	3.1	2.2	2.3	2.2	2.3	2.4	2.3	2.4	2.5	2.6
55 years old and over	1.0	.8	.6	.4	.3	.4	.4	.4	.3	.4	.4	.4

NA: Not available. ¹ Includes other races, not shown separately. ² For explanation, see Guide to Tabular Presentation. For 1960, change from 1955. ³ Per 1,000 live births. ⁴ 1971. ⁵ Per 1,000 women, 15-44 years old in specified group. ⁶ Rate computed by relating births to mothers 45 years old and over to women 45 to 49 years old. ⁷ Rate computed by relating total births, regardless of age of father, to 1,000 men, 15-54 years old in specified group. ⁸ Rates by age of father computed using frequencies with age not stated distributed among all age groups. ⁹ Rate computed by relating births to fathers under 20 years of age to men 15-19 years old.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual, and unpublished data.

No. 65. LIVE BIRTHS—NUMBER AND RATE, BY STATE: 1970 TO 1987

[Registered births. Excludes births to nonresidents of the U.S., except as noted. See Appendix III. For composition of regions, see fig. 1, inside front cover]

REGION, DIVISION, AND STATE	NUMBER (1,000)								RATE PER 1,000 POPULATION ²							
	By State of residence							By State of occurrence ¹	By State of residence							By State of occurrence ¹
	1970	1975	1980	1984	1985	1986	1987	1987	1970	1975	1980	1984	1985	1986	1987	1987
U.S.	3,731	3,144	3,512	3,888	3,781	3,757	3,731	3,829	18.4	14.8	15.9	15.5	15.8	15.8	15.8	15.7
Region:																
Northeast	531	625	656	682	706	715	704	736	16.9	12.6	13.4	13.7	14.1	14.3	14.0	14.6
Midwest	1,038	855	956	901	909	890	885	882	18.4	14.8	16.2	15.3	15.3	15.0	14.9	14.8
South	1,208	1,062	1,232	1,267	1,300	1,297	1,303	1,314	19.2	15.3	16.4	16.7	15.9	15.6	15.7	15.7
West	654	602	768	819	847	856	848	873	18.8	15.6	17.8	17.5	17.7	17.5	17.0	17.8
New England	308	188	162	172	178	181	175	188	16.9	12.2	13.1	13.7	14.2	14.2	14.6	14.6
Maine	18	15	16	17	17	17	16	16	17.9	14.2	14.8	14.5	14.5	14.3	13.6	13.6
New Hampshire	13	11	14	14	15	16	16	16	17.9	13.3	14.9	14.6	15.5	15.5	15.9	15.5
Vermont	8	7	6	8	8	8	8	7	18.8	14.1	15.4	15.1	15.0	15.0	13.9	13.2
Massachusetts	65	68	73	78	82	82	80	87	16.6	11.9	12.7	13.5	14.1	14.1	13.7	14.8
Rhode Island	16	11	12	13	13	13	14	15	16.5	11.3	12.9	13.2	13.5	13.6	14.3	14.7
Connecticut	50	38	39	42	44	45	41	47	16.7	11.6	12.5	13.4	13.9	14.0	12.7	14.5
Middle Atlantic	689	477	485	526	534	530	548	548	16.9	12.8	13.4	13.7	14.1	14.3	14.2	14.6
New York	318	236	239	251	259	264	265	270	17.4	13.1	13.6	14.1	14.6	14.6	14.9	15.2
New Jersey	120	82	87	101	106	108	105	111	16.8	12.5	13.2	13.5	14.0	14.3	13.7	14.5
Pennsylvania	193	149	159	157	161	161	160	166	16.3	12.5	13.4	13.2	13.5	13.5	13.5	13.9
East North Central	754	519	608	627	634	634	619	618	18.7	14.8	16.0	15.1	15.2	15.0	14.8	14.8
Ohio	200	158	169	159	160	158	157	157	18.7	14.7	15.7	14.6	14.9	14.7	14.7	14.5
Indiana	69	52	55	60	61	59	60	58	19.1	15.4	16.1	14.7	14.4	14.5	14.5	14.0
Illinois	205	169	180	179	181	177	172	178	18.5	15.0	15.6	15.6	15.7	15.3	14.9	15.3
Michigan	172	134	146	136	138	136	136	136	19.4	14.7	15.7	15.0	15.2	15.1	14.9	14.8
Wisconsin	78	65	75	73	74	72	70	70	17.6	14.3	15.9	15.4	15.4	15.1	15.1	14.7
West North Central	364	246	268	274	275	268	268	263	17.4	14.8	16.8	16.7	16.6	16.1	15.1	14.8
Minnesota	68	56	68	67	67	66	65	64	18.0	14.4	16.6	16.0	16.1	15.6	15.4	15.1
Iowa	48	41	46	42	41	39	39	39	17.1	14.4	16.4	14.6	14.3	13.6	13.6	13.7
Missouri	81	69	79	75	77	75	76	76	17.3	14.3	16.1	14.9	15.3	14.9	15.0	14.9
North Dakota	11	11	12	12	12	11	12	12	17.6	16.6	18.4	17.2	17.1	16.9	17.5	17.2
South Dakota	12	11	13	12	12	12	12	12	17.0	16.5	19.2	17.7	17.1	16.4	16.5	16.2
Nebraska	26	24	27	26	25	24	24	24	17.3	15.4	17.4	16.3	15.9	15.3	15.3	14.8
Kansas	36	34	41	40	40	39	38	37	17.0	14.9	17.2	16.4	16.2	16.0	15.5	15.0
South Atlantic	574	482	547	576	588	588	607	629	18.7	14.8	14.8	14.6	14.8	14.8	14.8	15.1
Delaware	11	8	9	9	10	10	10	10	19.2	14.0	15.6	15.1	15.5	15.3	15.4	15.6
Maryland	69	53	60	65	68	70	62	62	17.6	12.7	14.2	15.0	15.5	15.6	13.9	14.3
District of Columbia	15	10	9	10	10	10	20	20	20.1	13.7	14.7	15.5	15.6	16.1	32.5	32.6
Virginia	86	70	78	83	86	87	84	87	18.6	13.9	14.7	14.7	15.1	15.0	14.6	14.7
West Virginia	31	26	29	25	24	23	24	24	17.8	15.3	15.1	12.6	12.5	12.1	12.6	12.4
North Carolina	66	61	64	66	69	70	71	73	19.3	14.6	14.4	14.0	14.3	14.3	14.3	14.6
South Carolina	52	47	52	51	52	52	50	51	20.1	16.1	16.6	15.3	15.6	15.3	14.7	14.6
Georgia	67	60	62	62	66	66	69	105	21.1	15.6	16.9	15.6	16.1	16.1	16.2	16.9
Florida	115	106	132	155	164	166	167	176	16.9	12.4	13.5	14.1	14.4	14.3	14.3	14.5
East South Central	246	219	240	221	223	218	222	222	19.4	15.9	16.4	14.7	14.7	14.4	14.6	14.6
Kentucky	60	55	60	53	53	52	52	51	18.7	15.8	16.3	14.3	14.2	13.9	13.9	13.7
Tennessee	72	62	69	65	67	66	72	71	18.4	14.6	15.1	13.8	14.0	13.8	15.0	14.7
Alabama	67	58	64	60	59	56	56	56	19.4	15.8	16.3	14.6	14.9	14.7	13.9	14.5
Mississippi	49	46	46	44	43	42	42	41	22.1	18.3	19.0	16.9	16.6	16.0	15.8	15.4
West South Central	388	361	448	470	478	470	475	462	20.0	16.8	18.7	17.8	18.0	17.5	17.7	17.2
Arkansas	35	34	37	35	35	34	34	33	18.5	16.0	16.3	14.9	14.9	14.5	14.4	14.0
Louisiana	74	68	82	81	81	78	78	75	20.4	17.5	19.5	18.3	18.2	17.3	17.3	16.9
Oklahoma	45	43	52	54	53	51	48	46	17.5	15.4	17.2	16.5	16.1	15.3	14.5	13.9
Texas	231	216	274	298	306	307	315	306	20.6	17.2	19.2	18.6	18.6	18.4	18.9	18.4
Mountain	173	177	236	232	236	234	238	236	20.7	17.9	19.8	18.4	18.0	17.7	17.7	17.9
Montana	13	12	14	14	13	13	12	12	16.2	16.1	18.1	17.2	16.4	15.6	15.1	14.8
Idaho	14	16	20	18	18	16	16	16	20.3	19.5	21.4	18.0	17.5	16.4	16.3	16.0
Wyoming	7	7	11	10	9	9	8	7	19.8	18.3	22.5	19.0	18.4	17.0	15.8	14.5
Colorado	42	40	50	54	55	55	56	54	18.8	15.5	17.2	17.0	17.0	16.9	17.1	16.5
New Mexico	22	21	26	27	28	27	24	30	21.8	18.1	20.0	19.2	19.1	18.5	18.2	20.1
Arizona	38	40	50	55	59	61	61	63	21.3	17.3	18.4	17.9	18.6	18.6	18.4	18.7
Utah	27	32	42	38	37	36	37	36	25.5	25.7	26.6	23.6	22.8	21.6	22.4	21.4
Nevada	10	9	13	15	15	16	15	16	19.6	14.6	16.6	16.1	16.4	16.4	15.8	16.2
Pacific	483	425	542	587	612	621	619	638	18.2	14.8	17.0	17.1	17.5	17.4	17.3	17.5
Washington	61	51	68	69	70	69	69	74	17.8	14.0	16.4	15.6	15.9	15.6	15.4	16.3
Oregon	35	33	43	40	39	38	40	40	18.8	14.4	16.4	14.8	14.7	14.4	15.0	15.0
California	383	317	403	446	471	482	479	494	16.2	14.7	17.0	17.4	17.9	17.9	17.7	17.9
Alaska	8	7	10	12	13	12	12	11	25.1	20.7	23.7	24.7	24.6	22.9	23.2	21.8
Hawaii	16	16	18	19	18	18	18	19	21.4	17.8	18.6	18.0	17.4	17.2	17.2	17.2

¹ Includes births to nonresidents. Provisional. Based on population (excluding Armed Forces abroad) enumerated as of Apr. for 1970 and 1980, and estimated as of July for other years. ² U.S. totals are based on monthly receipts corrected for observed differences between provisional and final monthly figures. State figures have not been corrected in this manner.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and *Monthly Vital Statistics Report*.

NO. 87. TOTAL FERTILITY RATE AND INTRINSIC RATE OF NATURAL INCREASE: 1940 TO 1986

[Excludes Alaska prior to 1959 and Hawaii prior to 1960. Prior to 1960, based on births adjusted for underregistration; thereafter, registered births only. Beginning 1970, excludes births to nonresidents of United States. The *total fertility rate* is the number of births that 1,000 women would have in their lifetime if, at each year of age, they experienced the birth rates occurring in the specified year. A total fertility rate of 2,110 represents "replacement level" fertility for the total population under current mortality conditions (assuming no net immigration). The *intrinsic rate of natural increase* is the rate that would eventually prevail if the population were to experience, at each year of age, the birth rates and death rates occurring in the specified year and if those rates remained unchanged over a long period of time. Minus sign (-) indicates decrease. See also Appendix III, and *Historical Statistics, Colonial Times to 1970*, series B 11]

ANNUAL AVERAGE AND YEAR	TOTAL FERTILITY RATE			INTRINSIC RATE OF NATURAL INCREASE			YEAR	TOTAL FERTILITY RATE			INTRINSIC RATE OF NATURAL INCREASE		
	Total	White	Black and other	Total	White	Black and other		Total	White	Black and other	Total	White	Black and other
1940-1944	2,523	2,460	3,010	4.6	3.9	9.8	1971	2,267	2,181	2,920	2.6	8	12.6
1945-1949	2,965	2,916	3,485	11.7	10.9	17.2	1972	2,010	1,907	2,826	-2.0	-3.9	6.6
1950-1954	3,337	3,221	4,165	16.6	15.4	25.7	1973	1,879	1,783	2,444	4.5	6.5	5.7
1955-1959	3,690	3,549	4,716	21.1	19.5	30.7	1974	1,835	1,749	2,339	5.4	-7.2	4.0
1960-1964	3,449	3,326	4,326	18.6	17.1	27.7	1975	1,774	1,686	2,276	-6.7	6.6	3.0
1965-1969	2,622	2,512	3,362	6.2	6.4	16.6	1976	1,738	1,652	2,223	7.4	9.3	2.1
1970-1974	2,094	1,987	2,690	7	-2.5	9.1	1977	1,790	1,703	2,275	6.2	6.1	3.2
1975-1979	1,774	1,685	2,270	-6.6	-6.5	3.0	1978	1,760	1,668	2,264	-6.6	-6.6	2.9
1980-1984	1,819	1,731	2,282	-5.4	-7.3	3.0	1979	1,808	1,716	2,310	-5.7	-7.7	3.8
1985-1986	1,839	1,748	2,272	4.9	-6.7	3.2	1980	1,840	1,749	2,323	5.1	7.0	4.0
1985	2,913	2,783	3,806	12.1	10.3	23.1	1981	1,815	1,726	2,275	-5.5	-7.4	3.3
1986	2,721	2,603	3,532	9.7	7.9	20.4	1982	1,829	1,742	2,264	5.2	7.0	3.0
1987	2,556	2,447	3,299	7.4	5.6	16.2	1983	1,803	1,718	2,225	5.7	7.5	2.6
1988	2,464	2,366	3,108	5.9	4.2	16.0	1984	1,806	1,719	2,224	-5.6	-7.4	2.4
1989	2,400	2,360	3,061	5.7	4.1	15.4	1985	1,842	1,754	2,263	4.6	-6.6	3.1
1970	2,460	2,385	3,067	6.0	4.5	14.4	1986	1,836	1,741	2,281	4.9	6.6	3.3

NO. 88. BIRTH RATES, BY LIVE-BIRTH ORDER AND RACE: 1960 TO 1986

[Births per 1,000 women 15-44 years old in specified racial group. Live-birth order refers to number of children born alive. Figures for births of order not stated are distributed. See also headline, table 85, and *Historical Statistics, Colonial Times to 1970*, series B 20-27]

LIVE-BIRTH ORDER	ALL RACES ¹					WHITE					BLACK				
	1960	1975	1980	1985	1986	1960	1975	1980	1985	1986	1960	1975	1980	1985	1986
Total	116.0	81.9	68.4	65.4	65.4	113.2	84.1	64.7	63.0	61.6	163.5	115.4	68.1	62.2	62.4
First birth	31.1	34.2	29.5	27.6	27.2	30.8	32.6	28.4	26.5	26.0	33.6	43.3	35.2	32.4	32.5
Second birth	29.2	24.2	21.8	22.0	21.6	29.2	23.7	21.0	21.4	20.9	29.3	27.1	25.7	24.5	24.5
Third birth	22.6	13.6	10.3	10.4	10.3	22.7	13.3	9.5	9.7	9.6	24.0	16.1	14.5	13.9	14.1
Fourth birth	14.6	7.8	3.9	3.8	3.6	14.1	6.6	3.4	3.3	3.3	16.6	10.0	6.7	6.3	6.9
Fifth birth	6.3	3.6	1.5	1.4	1.4	7.5	3.4	1.3	1.1	1.1	14.1	6.4	3.0	2.7	2.7
Sixth and seventh	7.6	3.2	1.0	.8	.8	6.1	2.7	.8	.7	.6	16.4	7.0	2.1	1.6	1.7
Eighth and over	4.3	1.8	.4	.3	.3	2.8	1.2	.3	.2	.2	15.6	5.6	.9	.6	.5

¹ Includes other races not shown separately.

NO. 89. LIVE BIRTHS, BY RACE AND TYPE OF HISPANIC ORIGIN—SELECTED CHARACTERISTICS: 1985 AND 1986

[Represents registered births. Excludes births to nonresidents of the U.S. Data are available on race of mother from all States, but data on Hispanic origin of mother are available from only 23 States and the District of Columbia. However, approximately 90 percent of all births to Hispanic mothers occur to residents of these 23 States. See Appendix III]

RACE AND HISPANIC ORIGIN	NUMBER OF BIRTHS (1,000)		BIRTHS TO TEENAGE MOTHERS, PERCENT OF TOTAL		BIRTHS TO UNMARRIED MOTHERS, PERCENT OF TOTAL		PERCENT OF MOTHERS BEGINNING PRENATAL CARE DURING—				PERCENT OF BIRTHS WITH LOW BIRTH WEIGHT ³	
							First trimester		Third trimester or no care			
	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986
Total	3,761	3,767	12.7	12.6	22.6	23.4	76.2	75.9	5.7	4.0	6.6	6.9
White	2,991	2,970	10.8	10.6	14.5	15.7	79.4	79.2	4.7	5.0	5.6	5.6
Black	608	621	23.0	22.8	60.1	61.2	61.6	61.6	10.0	10.6	12.4	12.5
American Indian	43	43	19.1	19.2	40.7	(NA)	60.3	(NA)	11.5	(NA)	5.9	6.2
Asian and Pacific Islander ²	116	119	5.5	5.6	10.1	(NA)	75.0	(NA)	6.1	(NA)	6.1	6.4
Filipino	21	22	5.6	5.9	12.1	(NA)	77.2	(NA)	4.6	(NA)	6.6	7.3
Chinese	16	16	1.1	1.1	3.7	(NA)	82.4	(NA)	4.2	(NA)	5.0	4.9
Japanese	10	10	2.8	3.0	7.9	(NA)	85.8	(NA)	2.6	(NA)	5.9	5.6
Hispanic origin ³	373	389	16.5	16.4	29.5	31.6	61.2	60.3	12.5	13.0	6.2	6.1
Mexican	243	246	17.5	17.4	25.7	27.9	59.9	58.9	12.9	13.4	5.6	5.6
Puerto Rican	36	37	20.9	20.9	51.1	52.6	59.3	57.2	15.5	17.4	8.7	9.2
Cuban	10	10	7.1	6.8	16.1	15.6	72.5	61.6	3.7	4.2	6.0	6.5

NA Not available. ¹ Births less than 2,500 grams (5 lb.-8 oz.). ² Includes races not shown separately. ³ Hispanic persons may be of any race. Includes other types, not shown separately.

Source of tables 87-89: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

NO. 90. LIVE BIRTHS, BY PLACE OF DELIVERY; MEDIAN AND LOW-BIRTH WEIGHT; AND PRENATAL CARE: 1960 TO 1986

[Represents registered births. Beginning 1970, excludes births to nonresidents of the U.S. For total number of births, see table 83. See Appendix III]

YEAR	BIRTHS ATTENDED (1,000)			MEDIAN BIRTH WEIGHT			PERCENT OF BIRTHS WITH LOW BIRTH WEIGHT ⁴			PERCENT OF BIRTHS BY PERIOD IN WHICH PRENATAL CARE BEGAN	
	In hospital ¹	Not in hospital		Total ²	White	Black	Total ³	White	Black	1st trimester	3d trimester or no prenatal care
		Prenatal	Midwife and other ³								
1960	4,114	46	94	7 lb.-5 oz.	7 lb.-6 oz.	6 lb.-15 oz. ⁵	7.7	6.8	12.6	(NA)	(NA)
1965	3,881	33	88	7 lb.-4 oz.	7 lb.-6 oz.	6 lb.-14 oz. ⁵	8.3	7.2	13.0	(NA)	(NA)
1970	3,708	5	18	7 lb.-4 oz.	7 lb.-5 oz.	6 lb.-14 oz.	7.9	6.8	13.9	68.0	7.9
1975	3,105	11	28	7 lb.-5 oz.	7 lb.-7 oz.	6 lb.-15 oz.	7.4	6.3	13.1	72.4	6.0
1977	3,278	13	36	7 lb.-6 oz.	7 lb.-6 oz.	6 lb.-15 oz.	7.1	5.9	12.6	74.1	5.6
1978	3,301	12	21	7 lb.-6 oz.	7 lb.-8 oz.	6 lb.-15 oz.	7.1	5.9	12.0	74.9	5.4
1979	3,480	12	22	7 lb.-7 oz.	7 lb.-8 oz.	6 lb.-15 oz.	6.9	5.8	12.6	75.9	5.1
1980	3,576	12	24	7 lb.-7 oz.	7 lb.-8 oz.	7 lb.-0 oz.	6.6	5.7	12.5	76.3	5.1
1981	3,582	11	27	7 lb.-7 oz.	7 lb.-8 oz.	7 lb.-0 oz.	6.6	5.7	12.5	76.3	5.2
1982	3,642	10	26	7 lb.-7 oz.	7 lb.-8 oz.	7 lb.-0 oz.	6.6	5.8	12.4	76.1	5.5
1983	3,600	10	28	7 lb.-7 oz.	7 lb.-8 oz.	7 lb.-0 oz.	6.8	5.7	12.6	76.2	5.6
1984	3,631	10	28	7 lb.-7 oz.	7 lb.-9 oz.	7 lb.-0 oz.	6.7	5.6	12.4	76.5	5.6
1985	3,722	10	29	7 lb.-7 oz.	7 lb.-9 oz.	7 lb.-0 oz.	6.6	5.8	12.4	76.2	5.7
1986	3,720	9	27	7 lb.-7 oz.	7 lb.-9 oz.	7 lb.-0 oz.	6.6	5.6	12.5	75.9	6.0

NA. Not available. ¹ Includes all births in hospitals or institutions and in clinics. ² Includes births with attendant not specified. ³ Includes other races not shown separately. ⁴ Through 1978, births of 2,500 grams (5 lb.-8 oz.) or less at birth; thereafter less than 2,500 grams. ⁵ Black and other races.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

NO. 91. CESAREAN SECTION DELIVERIES, BY AGE OF MOTHER: 1970 TO 1986

[Rates are number of cesareans per 100 deliveries. Based on data collected from the National Hospital Discharge Survey, a sample survey of hospital records of patients discharged in year shown; subject to sampling variability]

AGE OF MOTHER	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
Number of cesarean deliveries (1,000)	165	326	510	689	819	791	730	806	913	877	906
Rate: Mothers, all ages	6.5	10.4	16.2	16.4	16.5	17.9	18.5	20.3	21.1	22.7	24.1
Under 20 years	3.9	6.4	11.8	13.7	14.5	13.2	13.4	15.0	16.5	16.1	18.3
20-24 years	4.9	9.0	13.1	15.6	15.8	16.0	17.6	19.0	19.6	21.2	21.9
25-29 years	5.9	11.1	16.4	16.4	16.7	19.4	19.9	20.5	20.8	22.9	25.3
30-34 years	7.5	13.6	19.3	19.5	18.0	21.3	20.4	24.6	24.6	26.6	26.2
35 years and over	8.3	15.0	21.3	21.1	20.6	24.4	23.8	25.4	28.7	30.7	32.6

Source: U.S. National Center for Health Statistics, unpublished data.

NO. 92. BREAST-FEEDING BY CHARACTERISTIC OF MOTHER AND BIRTH YEAR OF BABY: 1970 TO 1981

[Data for 1970-1975 based on 1976 National Survey of Family Growth (NSFG) and for 1976-1981 on 1982 NSFG. Based on a sample and subject to sampling variability. For composition of regions, see fig. 1, inside front cover]

CHARACTERISTIC OF MOTHER	PERCENT BREAST-FED AT ALL						PERCENT BREAST-FED 3 MONTHS OR MORE					
	1970-1971	1972-1973	1974-1975	1976-1977	1978-1979	1980-1981	1970-1971	1972-1973	1974-1975	1976-1977	1978-1979	1980-1981
Total babies	34.3	23.8	32.4	42.2	44.3	52.6	10.6	10.8	15.0	26.7	28.6	32.6
White	25.6	25.6	35.5	46.2	48.1	57.2	11.2	11.4	16.6	29.0	31.2	35.8
Black	12.8	12.9	16.4	19.5	24.4	24.5	6.2	6.9	6.4	11.5	14.2	12.1
Years of school completed:												
Less than 12 years	17.9	15.5	18.1	25.6	25.3	32.1	6.0	6.6	5.6	8.6	15.5	16.4
12 years	18.5	20.4	31.0	35.3	41.4	44.9	7.3	7.2	12.0	20.1	23.1	25.8
13 years or more	30.8	39.1	50.7	62.3	55.0	73.4	20.4	22.1	31.6	43.7	42.5	50.8
Region:												
Northeast	22.5	18.6	30.1	38.5	37.6	46.6	11.3	10.3	12.7	23.0	24.6	26.3
Midwest	26.4	25.2	30.3	43.6	46.1	54.8	12.1	10.1	13.3	24.1	29.4	33.5
South	17.8	16.2	25.2	32.1	31.8	41.8	7.2	7.4	10.0	19.0	19.1	26.2
West	26.3	43.3	50.5	62.0	66.5	70.1	15.6	20.0	29.4	42.3	47.1	46.8

Source: Prill, William F., et al., "Understanding U.S. Fertility: Findings from the National Survey of Family Growth, Cycle III," *Population Bulletin*, vol. 38, No. 5 (Population Reference Bureau, Inc., Washington, DC, 1984).

No. 93. BIRTHS TO UNMARRIED WOMEN, BY RACE OF CHILD AND AGE OF MOTHER: 1970 TO 1986

[Excludes births to nonresidents of U.S. Data for 1970 and 1975 include estimates for States in which marital status data were not reported. Beginning in 1980, marital status is inferred from a comparison of the child's and parents' surnames on the birth certificate for those States that do not report on marital status. No estimates included for misstatements on birth records or failures to register births. See also Appendix III and *Historical Statistics, Colonial Times to 1970*, series B 28-36]

RACE OF CHILD AND AGE OF MOTHER	1970	1975	1980	1985	1986	RACE OF CHILD AND AGE OF MOTHER	1970	1975	1980	1985	1986
NUMBER (1,000)						BIRTHS TO UNMARRIED WOMEN AS PERCENT OF ALL BIRTHS IN RACIAL GROUPS					
Total live births ¹	388.7	447.8	511.1	628.2	678.5	Total ¹	18.7	14.2	18.4	23.0	23.4
White	175.1	188.4	320.1	433.0	466.6	White	5.7	7.3	11.0	14.5	15.7
Black	216.1	249.6	325.7	366.5	380.3	Black	37.6	48.8	55.2	60.1	61.2
Under 15 years	9.5	11.0	9.0	9.4	9.4	BIRTH RATE²					
15-19 years	190.4	222.5	252.8	270.9	280.7	Total ¹	28.4	24.8	29.4	33.8	34.3
20-24 years	128.7	134.0	237.3	300.4	316.2	White ¹	13.8	12.4	17.6	21.8	23.2
25-29 years	40.6	50.2	99.8	152.0	185.7	Black ¹	95.5	84.2	61.4	78.8	80.9
30-34 years	19.1	19.8	41.0	67.3	74.9	15-19 years	22.4	23.9	27.6	31.6	32.6
35 years and over	12.4	10.4	16.1	28.2	31.6	20-24 years	38.4	31.2	40.9	48.9	49.7
PERCENT DISTRIBUTION						25-29 years	37.0	27.5	34.0	39.8	42.0
Total ¹	100.0	100.0	100.0	100.0	100.0	30-34 years	27.1	17.9	21.1	25.0	26.9
White	43.9	41.8	48.1	62.3	63.1						
Black	54.0	55.7	48.9	44.1	43.3						
Under 15 years	2.4	2.5	1.4	1.1	1.1						
15-19 years	47.8	46.7	39.5	32.7	32.0						
20-24 years	31.8	29.9	35.8	36.3	36.0						
25-29 years	10.2	11.2	15.0	18.4	18.9						
30-34 years	4.8	4.4	6.2	8.1	8.5						
35 years and over	3.1	2.3	2.4	3.4	3.6						

¹ Includes other races not shown separately. ² Rate per 1,000 unmarried women (never-married, widowed, and divorced) estimated as of July 1. ³ Covers women aged 15-44 years.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

No. 94. LOW BIRTH WEIGHT AND BIRTHS TO TEENAGE MOTHERS AND TO UNMARRIED WOMEN—STATES: 1980 AND 1986

[Represents registered births. Excludes births to nonresidents of the U.S. Based on 100 percent of births in 46 States and on a 50-percent sample of births in 4 States and the District of Columbia. See Appendix III]

DIVISION AND STATE	PERCENT OF BIRTHS WITH LOW BIRTH WEIGHT ¹		BIRTHS TO TEENAGE MOTHERS, PERCENT OF TOTAL		BIRTHS TO UNMARRIED WOMEN, PERCENT OF TOTAL		DIVISION AND STATE	PERCENT OF BIRTHS WITH LOW BIRTH WEIGHT ¹		BIRTHS TO TEENAGE MOTHERS, PERCENT OF TOTAL		BIRTHS TO UNMARRIED WOMEN, PERCENT OF TOTAL	
	1980	1986	1980	1986	1980	1986		1980	1986	1980	1986	1980	1986
U.S.	6.8	6.8	15.8	12.8	18.4	23.4	So. Atl.—Con.						
N. Eng.	8.2	6.9	11.8	8.9	15.5	18.6	VA	7.5	7.0	15.5	12.0	19.2	22.4
ME	6.5	5.1	15.3	11.8	13.9	18.0	WV	6.7	7.0	20.1	17.1	13.1	18.5
NH	5.4	5.2	10.7	7.7	11.0	13.9	NC	7.9	7.9	19.2	15.9	19.0	23.8
VT	6.9	5.2	13.0	9.2	13.7	18.7	SC	6.6	6.6	19.8	16.6	23.0	27.8
MA	6.1	5.8	10.7	8.3	15.7	19.3	GA	6.6	6.1	20.7	17.0	23.2	27.2
RI	6.3	6.4	12.3	10.3	15.7	19.8	FL	7.6	7.6	18.2	13.8	23.0	26.7
CT	6.7	6.6	11.4	8.6	17.9	19.0	E. So. Cent.						
Mid. Atl.	7.1	7.1	12.6	10.1	21.3	26.5	KY	7.8	7.9	21.0	17.9	20.9	25.9
NY	7.4	7.3	11.8	9.7	23.8	29.4	TN	6.6	7.1	21.1	17.4	15.1	20.0
NJ	7.2	6.8	12.3	9.4	21.1		AL	8.0	7.9	19.9	17.0	18.9	25.3
PA	6.5	6.9	13.0	11.3	17.7	24.4	MS	7.9	8.0	20.8	17.4	22.2	25.9
E. No. Cent.								8.7	8.7	23.2	20.5	28.0	34.0
OH	6.7	6.8	16.2	12.6	18.0	22.8	W. So. Cent.						
IN	6.8	6.7	15.7	13.3	17.8	23.4	AR	7.3	7.2	19.1	16.8	15.8	20.3
IL	6.3	6.4	17.3	14.0	16.5	21.0	LA	7.6	7.6	21.8	19.0	20.5	24.0
IL	7.2	7.4	16.7	12.5	22.5	27.1	OK	6.6	6.6	20.1	16.6	23.4	30.2
MI	6.9	6.9	14.0	12.3	18.2	19.3	TX	6.6	6.5	19.6	15.6	14.0	18.8
WI	5.4	5.4	12.3	9.9	13.9	19.6		6.9	6.8	18.3	15.2	13.3	17.7
W. No. Cent.							MT	6.6	6.5	14.3	11.9	12.7	16.2
MN	5.1	5.1	10.4	7.3	11.4	16.3	ID	5.6	5.9	12.4	10.1	12.5	17.8
IA	5.0	5.2	12.5	9.2	10.3	15.0	WY	5.3	5.2	13.1	10.6	7.9	11.9
MO	6.6	6.6	16.9	13.4	17.6	22.5	CO	7.3	6.6	15.5	10.7	8.2	13.9
ND	4.9	4.9	10.9	8.0	9.2	12.9	NE	6.2	7.7	13.3	10.2	13.0	18.0
SD	5.1	5.3	13.5	8.7	13.4	17.5	NM	7.6	7.1	18.2	15.3	16.1	27.3
NE	5.6	5.5	12.1	8.9	11.8	15.5	AZ	6.2	6.2	16.5	13.8	18.7	25.8
KS	5.8	6.2	15.0	11.5	12.3	16.7	UT	5.2	5.4	11.0	9.3	6.2	9.8
So. Atl.							NV	6.6	7.4	15.4	11.9	13.5	18.9
DE	7.7	7.4	16.7	13.2	24.2	27.0	Pac.						
MD	8.2	7.7	14.8	11.7	25.2	30.5	WA	6.9	5.9	13.6	10.8	19.6	26.1
DC	12.8	12.2	20.7	17.0	56.5	57.7	OR	5.1	5.2	12.5	10.4	13.5	19.6
							CA	4.9	5.1	13.3	10.9	14.8	20.7
							AK	5.9	6.0	13.9	10.6	21.4	26.5
							HI	5.4	4.6	11.6	6.7	15.1	20.9
								7.1	6.9	11.5	9.8	17.8	20.3

¹ Less than 2,500 grams (5 pounds-8 ounces). ² Marital status of mother is inferred.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual.

NO. 85. WOMEN WHO HAVE HAD A CHILD IN THE LAST YEAR, BY AGE: 1980 TO 1987

[As of June. See headnote, table 86]

AGE OF MOTHER	WOMEN WHO HAD A CHILD IN LAST YEAR (1,000)				TOTAL BIRTHS PER 1,000 WOMEN				FIRST BIRTHS PER 1,000 WOMEN				FIRST BIRTHS AS PERCENT OF TOTAL	
	1980	1985	1986	1987	1980	1985	1986	1987	1980	1985	1986	1987	1980	1987
Total	3,847	3,467	3,835	3,701	71.1	66.6	70.3	71.8	36.5	27.1	36.4	27.4	48.1	38.8
15-29 years old	2,478	2,512	2,452	2,521	103.7	101.4	99.7	103.9	48.6	47.1	44.4	48.0	48.9	48.3
15-24 years old	1,396	1,339	1,209	1,277	98.8	95.4	88.8	95.6	(NA)	53.5	47.5	50.9	(NA)	53.2
25-29 years old	1,081	1,173	1,243	1,244	114.8	109.2	113.8	114.0	(NA)	39.7	40.5	44.6	(NA)	39.1
30-44 years old	770	984	1,174	1,180	35.4	37.6	43.5	42.3	6.3	8.0	10.0	9.4	17.8	22.2
30-34 years old	519	704	815	786	30.0	38.9	48.9	44.1	(NA)	5.8	20.2	18.2	(NA)	24.6
35-39 years old	182	229	286	341	26.9	25.9	30.3	36.2	(NA)	5.2	5.4	6.5	(NA)	18.2
40-44 years old	59	51	74	53	9.9	7.1	10.2	6.8	(NA)	.6	1.6	1.0	(NA)	15.1

NA Not available.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 427 and earlier reports.

NO. 86. SOCIAL AND ECONOMIC CHARACTERISTICS OF WOMEN, 15-44 YEARS OLD, WHO HAVE HAD A CHILD IN THE LAST YEAR: 1987

[As of June. Covers civilian noninstitutional population. Since the number of women who had a birth during the 12-month period was tabulated and not the actual number of births, some small underestimation of fertility for this period may exist due to the omission of (1) Multiple births, (2) Two or more live births spaced within the 12-month period (the women is counted only once), (3) Women who had births in the period and who did not survive to the survey date, (4) Women who were in institutions and therefore not in the survey universe. These losses may be somewhat offset by the inclusion in the CPS of births to immigrants who did not have their children born in the United States and births to nonresident women. These births would not have been recorded in the vital registration system. Based on Current Population Survey (CPS); see text, section 1 and Appendix B]

CHARACTERISTIC	TOTAL, 15 TO 44 YEARS OLD			15 TO 29 YEARS OLD			30 TO 44 YEARS OLD		
	Number of women (1,000)	Women who have had a child in the last year		Number of women (1,000)	Women who have had a child in the last year		Number of women (1,000)	Women who have had a child in the last year	
		Total births per 1,000 women	First births per 1,000 women		Total births per 1,000 women	First births per 1,000 women		Total births per 1,000 women	First births per 1,000 women
Total ¹	82,188	71.8	27.4	34,386	103.9	48.6	27,874	42.3	8.4
White	43,834	66.5	27.5	20,081	100.3	48.4	23,543	41.3	9.6
Black	6,734	83.2	24.6	3,402	123.0	44.8	3,331	42.5	4.6
Hispanic ²	4,286	85.8	24.4	2,239	129.7	40.2	2,057	82.1	7.9
Married, spouse present	29,413	97.4	37.7	9,862	163.1	87.0	19,451	53.5	12.4
Married, spouse absent ³	2,067	80.8	20.7	647	123.9	50.0	1,240	17.8	.8
Widowed or divorced	5,307	23.5	4.7	1,194	57.3	15.2	4,143	13.6	1.6
Single	18,302	38.1	16.5	12,282	42.7	19.5	3,040	19.7	4.9
Years of school completed:									
Not a high school graduate	7,889	82.7	27.2	4,001	149.4	50.5	3,888	34.1	3.1
High school, 4 years	22,202	71.6	27.8	10,517	114.7	52.7	11,685	32.6	5.5
College: 1-3 years	12,080	61.6	25.4	6,149	71.3	36.1	5,901	51.4	12.2
4 or more years	10,019	63.9	28.6	3,599	77.4	48.8	6,421	56.4	17.6
4 years	6,999	86.7	30.4	2,858	76.1	48.2	3,808	59.7	17.0
5 or more years	3,360	58.4	25.8	739	82.3	50.8	2,612	51.6	18.5
Labor force status: in labor force	37,925	49.8	23.1	17,703	71.1	39.4	20,222	30.8	8.9
Employed	35,351	47.1	22.4	16,085	66.0	36.7	19,256	29.7	8.6
Unemployed	2,574	94.1	32.7	1,608	102.3	46.5	966	63.7	9.8
Not in labor force	14,214	128.0	38.8	6,582	192.4	71.3	7,652	72.8	10.9
Occupation of employed women:									
Managerial, professional	8,778	48.1	24.4	3,036	67.3	44.2	5,744	37.9	14.0
Technical, sales, and admin. support	16,135	47.8	23.9	7,907	70.1	40.2	8,227	26.0	8.2
Service workers	8,129	48.2	20.2	3,297	62.4	33.8	2,832	27.3	4.3
Precision prod., craft, and repair	883	28.7	13.8	318	33.2	16.0	535	22.8	12.8
Operators, fabricators, and laborers	3,047	47.7	17.8	1,338	75.9	37.8	1,710	25.6	1.9
Farming, forestry, and fishing	488	58.6	9.8	202	83.8	19.5	286	29.9	-
Family income: Under \$10,000	8,140	86.1	27.7	4,678	138.1	48.4	3,462	38.8	2.3
\$10,000-\$14,999	5,472	83.1	34.0	3,078	114.8	56.3	2,396	42.5	8.8
\$15,000-\$19,999	5,044	78.5	32.6	2,547	117.8	56.7	2,496	34.4	6.8
\$20,000-\$24,999	5,170	71.9	25.2	2,438	102.7	44.8	2,735	44.0	7.9
\$25,000-\$29,999	4,835	80.3	33.8	2,041	124.9	84.5	2,984	45.1	9.9
\$30,000-\$34,999	4,881	63.4	26.5	2,044	106.1	51.0	2,817	32.4	6.7
\$35,000 and over	17,081	54.7	24.0	8,701	68.4	39.4	10,380	47.1	14.7

- Represents or rounds to zero. ¹ Includes women of other races and women with family income not reported, not shown separately. ² Hispanic persons may be of any race. ³ Includes separated women.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 427

NO. 97. WOMEN WHO HAVE HAD A CHILD IN THE LAST YEAR, BY AGE AND LABOR FORCE STATUS: 1976 TO 1987

[See headnote, table 86]

YEAR	TOTAL, 18 TO 44 YEARS OLD				18 TO 29 YEARS OLD				30 TO 44 YEARS OLD			
	All women, percent in labor force	Women who have had a child in the last year			All women, percent in labor force	Women who have had a child in the last year			All women, percent in labor force	Women who have had a child in the last year		
		Number (1,000)	In the labor force			Number (1,000)	In the labor force			Number (1,000)	In the labor force	
			Number (1,000)	Percent			Number (1,000)	Percent			Number (1,000)	Percent
1976	59.7	2,797	985	35.2	(NA)	2,220	705	31.8	(NA)	577	159	27.6
1980	65.1	3,247	1,239	38.0	68.3	2,476	847	34.2	63.7	770	287	37.3
1981	67.2	3,381	1,411	41.7	69.9	2,499	1,004	40.2	65.5	861	407	46.2
1982	68.3	3,433	1,506	43.9	69.7	2,445	1,040	42.5	65.7	966	469	47.5
1983	69.1	3,625	1,563	43.1	70.6	2,682	1,195	42.4	67.8	942	425	45.1
1984	70.2	3,311	1,547	46.7	71.5	2,375	1,058	44.5	68.9	936	459	52.2
1985	70.8	3,497	1,691	48.4	71.9	2,512	1,204	47.9	70.9	964	466	49.6
1986	72.2	3,625	1,805	49.8	72.8	2,452	1,165	48.3	71.6	1,174	620	52.8
1987	72.7	3,701	1,881	50.8	73.0	2,521	1,258	49.9	72.5	1,180	623	52.8

NA Not available.

NO. 98. CHILDLESS WOMEN AND CHILDREN EVER BORN, BY AGE OF WOMAN: 1980 TO 1987

[As of June. Based on Current Population Survey; see text, section 1 and Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series B 46-66]

AGE	PERCENT CHILDLESS AMONG WOMEN EVER MARRIED						CHILDREN EVER BORN PER 1,000 WOMEN EVER MARRIED					
	1980	1990	1997				1980	1990	1997			
			Total ¹	White	Black	Hispanic ²			Total ¹	White	Black	Hispanic ²
Total	² 18.5	26.3	19.6	19.5	11.3	12.1	³ 1,895	1,786	1,786	1,732	2,346	2,346
18-19 years old	⁴ 46.6	50.9	49.8	51.0	(3)	(3)	⁴ 628	587	606	608	(3)	(3)
20-24 years old	40.4	40.9	39.8	41.0	24.9	19.9	830	916	940	908	1,332	1,369
25-29 years old	25.3	28.7	25.9	27.1	14.4	17.5	1,397	1,351	1,365	1,339	1,782	1,748
30-34 years old	13.7	18.9	15.6	16.1	9.5	8.1	1,970	1,775	1,768	1,782	2,066	2,335
35-39 years old	8.0	11.6	11.5	12.1	7.8	8.9	2,572	2,130	2,115	2,047	2,699	2,749
40-44 years old	6.6	8.0	10.2	10.3	8.7	7.9	3,106	2,548	2,329	2,279	2,777	3,047

¹ Base figure too small to meet standards for reliability of derived figure. ² Includes other races not shown separately. ³ Hispanic persons may be of any race. ⁴ Women, 18-44 years old. ⁵ Women, 15-19 years old.

Source of tables 97 and 98: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 427 and earlier reports.

NO. 99. CHILDREN EVER BORN TO SINGLE WOMEN, BY AGE AND RACE OF WOMAN: 1980 AND 1987

[As of June. Covers civilian noninstitutional population. Refers to women never-married at time of survey. Based on Current Population Survey; see text, section 1 and Appendix III]

ITEM	ALL SINGLE WOMEN ¹			WHITE SINGLE WOMEN			BLACK SINGLE WOMEN		
	Total, 18-44 years	18-29 years	30-44 years	Total, 18-44 years	18-29 years	30-44 years	Total, 18-44 years	18-29 years	30-44 years
1980									
Single women (1,000)	12,500	10,893	1,607	9,982	8,557	1,425	2,518	1,989	529
Percent by number of children born:									
None	65.7	67.3	78.4	93.5	93.9	90.5	52.2	56.7	32.6
One	8.8	8.5	8.0	4.9	4.7	5.9	24.5	28.0	18.6
Two or more	5.7	4.2	14.6	1.6	1.3	3.8	23.3	17.3	48.8
Children ever born (1,000)	3,142	2,822	1,120	888	888	232	2,199	1,325	874
Rate per 1,000 women	251	189	690	91	78	178	945	702	1,691
1987									
Single women (1,000)	15,302	12,269	3,039	11,679	9,511	2,168	3,124	2,347	776
Percent by number of children born:									
None	78.7	82.7	67.7	88.3	88.6	82.4	46.6	53.8	25.4
One	11.2	10.4	14.4	7.1	6.9	8.3	25.9	25.1	32.0
Two or more	9.1	6.9	17.9	4.6	3.5	9.3	28.9	21.2	42.6
Children ever born (1,000)	5,518	3,603	2,014	2,220	1,502	718	3,167	1,929	1,237
Rate per 1,000 women	361	286	660	180	158	331	1,020	822	1,616

¹ Includes other races not shown separately. ² Covers single women, 18-49 years old. ³ Covers single women, 30-49 years old.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, Nos. 375 and 427.

NO. 100. LIFETIME BIRTHS EXPECTED PER 1,000 WIVES: 1971 TO 1987

(As of June. See headings, table 101)

YEAR	LIFETIME BIRTHS TO ALL WIVES ¹ AGED—			LIFETIME BIRTHS TO WHITE WIVES AGED—			LIFETIME BIRTHS TO BLACK WIVES AGED—		
	18-24	25-29	30-34	18-24	25-29	30-34	18-24	25-29	30-34
1971	2,375	2,619	2,869	2,353	2,577	2,836	2,823	3,112	3,714
1975	2,173	2,280	2,610	2,147	2,233	2,554	2,488	2,567	3,212
1980	2,134	2,168	2,248	2,130	2,148	2,223	2,156	2,426	2,522
1985	2,183	2,236	2,167	2,177	2,227	2,139	2,242	2,259	2,521
1987	2,206	2,241	2,188	2,192	2,228	2,180	2,188	2,333	2,281

¹ Includes other races not shown separately.NO. 101. LIFETIME BIRTHS EXPECTED BY WIVES, 18-34 YEARS OLD—PERCENT DISTRIBUTION:
1975 TO 1987

(As of June. Covers currently married women in the civilian noninstitutional population. Data limited to wives reporting on birth expectations. Based on Current Population Survey, see text, section 1 and Appendix III)

YEAR AND NUMBER OF BIRTHS EXPECTED	Total ¹	AGE			RACE		Hispanic ²	YEARS OF SCHOOL COMPLETED		
		18-24 years	25-29 years	30-34 years	White	Black		Not high school graduate	High school, 4 years	College, 1 year or more
1975: None	4.8	4.1	4.8	5.2	4.9	3.0	3.2	2.7	4.2	7.0
One	10.8	11.2	11.7	9.8	10.8	10.7	10.8	11.0	11.4	10.1
Two	49.0	58.2	50.4	36.3	49.8	40.0	40.4	37.8	49.8	55.5
Three	23.2	19.4	23.3	26.8	23.3	22.4	25.2	25.0	24.3	20.0
Four or more	12.1	7.0	9.8	19.8	11.1	24.0	20.6	28.6	10.3	7.3
1980: None	5.9	4.9	5.5	7.0	6.0	4.0	2.8	2.6	5.6	7.7
One	13.3	12.8	13.2	13.6	13.2	14.4	9.4	11.7	14.4	12.4
Two	51.1	58.0	52.8	45.7	51.5	45.3	44.3	38.7	52.6	54.4
Three	20.5	19.1	20.3	21.8	20.4	22.2	24.2	28.7	19.7	18.8
Four or more	9.3	7.2	8.3	11.9	6.8	14.2	19.4	18.4	7.7	6.8
1987: None	4.8	3.2	4.1	6.3	5.0	3.5	1.9	3.1	4.7	5.5
One	12.7	11.9	12.3	13.6	12.8	15.5	10.4	12.0	14.2	11.2
Two	50.7	55.7	51.3	47.6	51.0	47.3	43.6	42.3	51.1	52.9
Three	23.3	22.0	24.0	23.3	23.4	21.3	29.5	27.0	22.5	23.0
Four or more	8.5	7.2	8.3	8.3	7.9	12.3	14.8	15.4	7.8	7.3

¹ Includes other races, not shown separately. ² Hispanic persons may be of any race.

Source of tables 100 and 101: U.S. Bureau of the Census, Current Population Reports, series P-20, No. 427, and earlier reports.

NO. 102. CONTRACEPTIVE USE BY WOMEN, 15-44 YEARS OLD, BY AGE, RACE, MARITAL STATUS, AND METHOD OF CONTRACEPTION: 1982

(Based on the 1982 National Survey of Family Growth; see Appendix III)

CONTRACEPTIVE STATUS AND METHOD	All women ¹	AGE			RACE		MARITAL STATUS		
		15-24 years	25-34 years	35-44 years	White	Black	Never married	Currently married	Formerly married
All women (1,886)	54,888	26,180	19,644	14,306	46,367	6,886	16,164	28,231	6,794
PERCENT DISTRIBUTION									
Sterile	27.2	3.2	27.8	60.1	27.7	23.7	3.2	40.9	38.0
Surgically sterile	25.7	2.6	26.4	57.3	25.1	22.2	2.6	36.9	38.1
Contraceptively sterile ²	17.8	2.2	19.8	37.4	18.3	14.9	1.8	27.8	21.8
Noncontraceptively sterile	7.8	3	6.8	19.9	7.9	7.3	.8	11.0	14.5
Nonsurgically sterile ³	1.5	.8	1.5	2.8	1.6	1.5	.7	2.0	1.9
Pregnant, postpartum	5.0	6.3	6.5	1.0	4.8	5.6	2.5	7.2	2.6
Waiting pregnancy	4.2	3.5	6.2	2.5	4.0	5.4	1.2	6.7	2.1
Other nonusers	28.9	48.6	14.2	13.8	28.2	29.6	59.7	5.0	25.6
Not sexually active ⁴	19.5	39.4	7.8	7.8	19.9	18.1	49.8	.2	15.1
Sexually active ⁵	7.4	9.2	6.5	6.0	6.4	13.5	10.1	4.8	10.4
Nonsurgical contraceptors	36.7	38.4	45.2	22.6	37.2	35.7	33.3	40.1	31.8
PIU	15.8	23.5	17.1	2.3	15.1	18.8	18.7	13.4	15.8
R.I.D.	4.0	1.4	6.5	4.2	3.9	4.7	1.9	4.8	6.4
Diaphragm	4.5	3.7	6.8	2.4	5.0	1.8	4.7	4.5	3.7
Condom	6.7	5.5	7.8	7.0	7.2	3.2	4.1	8.8	.8
Foam	1.3	.8	1.5	1.8	1.4	1.4	.4	2.0	1.1
Sponges ⁶	2.2	1.2	2.8	2.6	2.2	1.6	.8	3.2	1.4
Other methods ⁶	2.5	2.3	2.8	2.2	2.4	3.1	2.8	2.3	2.7

¹ Includes other races, not shown separately. ² Includes sterility of the husband or a current partner. Persons who had sterilizing operation and who gave as one reason that they had already had all the children they wanted. ³ Persons sterile from illness, accident, or congenital conditions. ⁴ Those having intercourse in the last 3 months before the survey. ⁵ Periodic abstinence and natural family planning. ⁶ Withdrawal, douche, suppository and less frequently used methods.

Source: U.S. National Center for Health Statistics, Advance Data from Vital and Health Statistics, No. 102 and unpublished data.

NO. 103. LEGAL ABORTIONS—ESTIMATED NUMBER, RATE, AND RATIO, BY RACE: 1972 TO 1985

[Refers to women 15-44 years old at time of abortion]

YEAR	ALL RACES				WHITE				BLACK AND OTHER			
	Women 15-44 years old (1,000)	Abortions			Women 15-44 years old (1,000)	Abortions			Women 15-44 years old (1,000)	Abortions		
		Number (1,000)	Rate per 1,000 women	Ratio per 1,000 live births ¹		Number (1,000)	Rate per 1,000 women	Ratio per 1,000 live births ¹		Number (1,000)	Rate per 1,000 women	Ratio per 1,000 live births ¹
1972	44,588	586.8	13.2	184	38,532	456.3	11.8	175	6,056	131.5	21.7	223
1975	47,606	1,034.2	21.7	331	40,857	701.2	17.2	276	8,749	333.0	49.3	565
1976	48,721	1,179.3	24.2	361	41,721	784.9	18.8	296	7,000	394.4	58.3	638
1977	49,814	1,316.7	26.4	400	42,567	885.8	20.8	333	7,247	427.9	59.0	679
1978	50,920	1,409.6	27.7	417	43,427	969.4	22.3	366	7,463	440.2	60.7	686
1979	52,018	1,497.7	28.8	422	44,266	1,062.4	24.0	373	7,750	435.3	60.2	625
1980	53,048	1,553.9	29.3	428	44,842	1,083.6	24.3	376	8,106	460.3	55.5	642
1981	53,901	1,577.3	29.3	429	45,494	1,107.6	24.3	377	8,407	466.6	55.9	645
1982	54,679	1,573.9	28.6	426	46,049	1,085.2	23.6	373	8,630	478.7	55.5	646
1983	55,340	1,575.0	28.5	426	46,506	1,084.4	23.3	376	8,834	480.6	55.5	670
1984	56,061	1,577.2	28.1	422	47,023	(NA)	(NA)	(NA)	9,038	(NA)	(NA)	(NA)
1985	56,754	1,588.6	28.0	426	47,512	(NA)	(NA)	(NA)	9,242	(NA)	(NA)	(NA)

NA Not available. ¹ See headnote, table 105.

Source: 1972, U.S. Centers for Disease Control, Atlanta, GA, *Abortion Surveillance, Annual Summary, 1972, 1974*, and The Alan Guttmacher Institute, 1975-1981, S.K. Henshaw and E. Blaine, eds., *Abortion Services in the United States, Each State and Metropolitan Area, 1981-1982*, The Alan Guttmacher Institute, New York, NY, 1985 (copyright); 1982 and 1983, S.K. Henshaw, "Characteristics of U.S. Women Having Abortions, 1982-1983," *Family Planning Perspectives*, vol. 19, No. 1, Jan./Feb. 1987, The Alan Guttmacher Institute, New York, NY; 1984 and 1985, S.K. Henshaw, J.D. Forrest and J. Van Vorst, "Abortion Services in the United States, 1984 and 1985," *Family Planning Perspectives*, vol. 18, No. 2, March/April 1987, The Alan Guttmacher Institute, New York, NY.

NO. 104. LEGAL ABORTIONS, BY SELECTED CHARACTERISTICS: 1973 TO 1983

[Number of abortions from surveys conducted by source; characteristics from the U.S. Centers for Disease Control's (CDC) annual abortion surveillance summaries, with adjustments for changes in States reporting data to the CDC each year]

CHARACTERISTIC	NUMBER (1,000)							PERCENT DISTRIBUTION			ABORTION RATIO ¹		
	1973	1975	1979	1980	1981	1982	1983	1973	1980	1983	1973	1980	1983
Total legal abortions	746	1,634	1,466	1,554	1,577	1,574	1,576	100.0	100.0	100.0	193	308	384
Age of woman:													
Less than 15 years old	12	15	16	15	15	15	16	1.6	1.0	1.0	476	607	626
15-19 years old	232	325	446	446	433	419	411	31.2	20.6	26.1	280	451	464
20-24 years old	241	332	520	549	555	552	548	32.3	36.4	34.8	181	310	325
25-29 years old	130	189	284	304	316	326	326	17.4	19.5	20.8	128	213	223
30-34 years old	73	100	142	153	167	166	172	9.7	9.8	10.9	165	213	213
35-39 years old	41	68	96	87	70	78	79	5.5	4.3	5.0	246	317	298
40 years old and over	17	21	20	21	21	21	21	2.3	1.3	1.4	334	451	439
Race of woman:													
White	640	701	1,062	1,094	1,106	1,096	1,084	73.7	70.4	68.8	176	274	274
Black and other	196	333	436	460	470	479	491	26.3	29.6	31.2	252	332	401
Marital status of woman													
Married	216	272	322	330	299	300	295	29.0	20.6	18.7	74	66	89
Unmarried	528	782	1,176	1,234	1,279	1,274	1,280	71.0	79.4	81.3	554	648	632
Number of prior live births:													
None	411	543	666	600	612	603	660	55.2	57.8	56.5	242	365	369
1	115	194	287	306	312	321	329	15.4	19.8	20.9	106	208	217
2	104	156	207	218	220	222	226	13.9	13.9	14.4	180	263	291
3	51	78	82	83	85	82	83	6.1	5.3	5.3	228	288	287
4 or more	55	64	53	51	49	46	45	7.4	3.3	2.9	106	251	241
Number of prior induced abortions:													
None	(NA)	522	1,025	1,045	1,023	984	964	(NA)	67.1	61.2	(NA)	(NA)	(NA)
1	(NA)	170	352	373	390	396	406	(NA)	24.0	25.8	(NA)	(NA)	(NA)
2 or more	(NA)	42	121	136	165	182	206	(NA)	5.9	13.0	(NA)	(NA)	(NA)
Weeks of gestation													
Less than 9 weeks	264	481	749	800	810	808	792	38.2	51.5	50.3	(NA)	(NA)	(NA)
9-10 weeks	222	290	413	417	424	420	424	29.7	26.6	26.9	(NA)	(NA)	(NA)
11-12 weeks	131	151	204	202	204	205	210	17.5	13.0	13.3	(NA)	(NA)	(NA)
13 weeks or more	106	112	133	136	136	143	149	14.6	8.7	9.5	(NA)	(NA)	(NA)

NA Not available. ¹ Number of abortions per 1,000 abortions and live births. Live births are those which occurred from July 1 of year shown through June 30 of the following year (to match time of conception with abortions).

Source: 1973-1981, S.K. Henshaw and E. Blaine, eds., *Abortion Services in the United States, Each State and Metropolitan Area, 1981-1982*, The Alan Guttmacher Institute, New York, NY, 1985 (copyright); 1982 and 1983, S.K. Henshaw, "Characteristics of U.S. Women Having Abortions, 1982-1983," *Family Planning Perspectives*, vol. 19, No. 1, Jan./Feb. 1987, The Alan Guttmacher Institute, New York, NY.

NO. 105. LEGAL ABORTIONS—NUMBER, RATE PER 1,000 WOMEN 15-44 YEARS OLD, AND ABORTION/LIVE BIRTH RATIO, BY STATE OF OCCURRENCE: 1980 AND 1985

[Number of legal abortions are from surveys of hospitals, clinics, and physicians identified as providers of abortion services, conducted by the Alan Guttmacher Institute. Abortion rates are computed per 1,000 women 15-44 years of age on July 1 of specified year; abortion ratios are computed as the number of abortions per 1,000 live births from July 1 of year shown to June 30 of following year, by State of occurrence]

DIVISION AND STATE	NUMBER OF ABORTIONS (1,000)		RATE PER 1,000 WOMEN, 15-44 YEARS OLD		RATIO: ABORTIONS PER 1,000 LIVE BIRTHS		DIVISION AND STATE	NUMBER OF ABORTIONS (1,000)		RATE PER 1,000 WOMEN, 15-44 YEARS OLD		RATIO: ABORTIONS PER 1,000 LIVE BIRTHS	
	1980	1985	1980	1985	1980	1985		1980	1985	1980	1985	1980	1985
U.S.	1,592.9	1,598.5	25.5	26.0	420	425	S.A.-Con.						
AL.	83.9	86.4	26.9	28.6	530	594	VA.	31.8	34.2	24.2	24.0	417	412
ME.	4.8	5.0	16.6	18.6	289	308	WV.	3.0	4.6	6.9	10.1	104	185
NH.	4.7	7.0	21.1	29.0	347	419	NC.	31.9	34.2	22.8	22.6	377	379
VT.	3.8	3.4	30.4	26.2	486	448	SC.	13.7	11.2	18.2	13.7	274	228
MA.	45.6	40.3	33.5	29.3	609	530	GA.	37.9	38.3	28.4	28.1	385	387
RI.	6.8	7.8	30.7	35.5	529	572	FL.	73.6	78.7	35.5	31.8	547	465
CT.	18.4	21.8	25.6	29.3	561	590	E.S.C.	68.3	57.4	19.2	15.8	271	228
MA.	311.8	321.7	37.0	37.8	637	607	KY.	12.8	9.9	15.1	11.0	216	189
NY.	187.5	195.1	45.8	47.4	780	748	TN.	25.6	22.4	23.6	19.1	352	315
NJ.	55.5	69.2	32.6	39.6	591	672	AL.	20.6	19.4	23.1	20.2	391	333
PA.	98.9	57.4	25.1	21.3	423	348	MS.	6.1	5.9	10.6	9.7	132	142
E.N.C.	342.9	238.8	24.9	22.1	386	308	W.S.C.	137.2	138.6	24.5	21.8	308	289
OH.	57.1	57.4	26.9	22.4	397	357	AR.	8.2	5.4	12.3	10.1	173	159
IN.	19.6	16.1	15.3	12.2	227	202	LA.	17.7	19.2	17.6	17.4	218	240
IL.	99.1	95.0	25.9	23.8	374	372	OK.	11.3	13.1	18.4	17.1	221	269
MI.	65.2	64.4	29.7	28.7	457	466	TX.	102.0	100.8	30.0	25.5	357	320
WI.	21.8	17.8	20.1	15.7	292	246	MN.	68.2	74.8	25.9	23.8	392	319
W.M.C.	75.2	66.2	19.2	16.7	280	262	MT.	3.7	3.7	20.1	19.0	265	269
MN.	19.0	16.8	20.7	18.6	286	257	ID.	2.7	2.7	12.7	11.1	141	155
IA.	9.3	9.8	14.3	15.0	195	246	WY.	1.1	1.1	9.5	7.9	107	125
MO.	21.6	20.1	19.4	17.3	273	261	CO.	23.1	24.4	31.4	26.8	447	438
ND.	3.1	2.8	21.5	18.5	235	230	NM.	8.4	6.1	27.0	17.4	358	218
SD.	1.4	1.7	9.0	10.6	103	140	AZ.	15.8	22.3	25.0	29.9	310	373
NE.	6.4	6.7	17.9	18.2	227	269	UT.	4.2	4.4	12.3	11.1	97	118
KS.	12.8	10.2	25.6	19.2	343	284	NV.	9.2	9.9	46.6	40.5	997	941
S.A.	264.8	267.1	28.4	27.1	462	438	Pac.	314.8	385.0	41.8	42.8	891	894
DE.	3.7	4.6	25.9	30.9	385	451	WA.	37.0	31.0	37.5	28.0	522	458
MD.	30.5	28.5	29.2	26.9	571	480	OR.	17.7	15.2	28.3	22.3	398	374
DC.	28.5	23.9	198.3	145.9	1,589	1,198	CA.	250.4	304.1	43.7	47.8	698	840
							AK.	1.9	3.5	17.8	27.7	198	283
							HI.	6.0	11.2	34.4	43.7	441	611

Source: 1980, S.K. Henshaw and E. Blane, eds., *Abortion Services in the United States, Each State and Metropolitan Area, 1981-1982*, The Alan Guttmacher Institute, New York, NY, 1989 (copyright); 1985, Henshaw, S.K., J.D. Forrest, and J. Van Vort, "Abortion Services in the United States, 1984 and 1985", *Family Planning Perspectives*, vol. 19, No. 2, March/April 1987, The Alan Guttmacher Institute, New York, NY.

NO. 106. EXPECTATION OF LIFE AT BIRTH: 1950 TO 1987

[In years. Prior to 1960, excludes Alaska and Hawaii. Beginning 1970, excludes deaths of nonresidents of the United States. See also *Historical Statistics, Colonial Times to 1970*, series B 107-115]

Year	TOTAL			WHITE			BLACK AND OTHER			BLACK		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1950	66.2	65.8	71.1	69.1	68.5	72.2	60.8	59.1	62.9	(NA)	(NA)	(NA)
1955	68.9	68.7	72.6	70.5	67.4	73.7	63.7	61.4	66.1	(NA)	(NA)	(NA)
1960	69.7	68.6	73.1	70.6	67.4	74.1	63.8	61.1	66.3	(NA)	(NA)	(NA)
1965	70.2	68.8	73.7	71.0	67.8	74.7	64.1	61.1	67.4	(NA)	(NA)	(NA)
1970	70.6	67.1	74.7	71.7	68.0	75.6	65.3	61.3	69.4	64.1	60.0	66.3
1971	71.1	67.4	75.0	72.0	68.3	75.6	65.8	61.8	69.8	64.6	60.5	66.9
1972	71.2	67.4	75.1	72.0	68.3	75.9	65.7	61.5	70.1	64.7	60.4	66.1
1973	71.4	67.8	75.3	72.2	68.5	76.1	66.1	62.0	70.3	65.0	60.9	66.3
1974	72.0	68.2	75.8	72.8	69.0	76.7	67.1	62.8	71.3	66.0	61.7	70.3
1975	72.8	69.8	76.8	73.4	69.6	77.3	68.0	63.7	72.4	66.8	62.4	71.3
1976	72.8	69.1	76.8	73.6	69.9	77.5	68.4	64.2	72.7	67.2	62.9	71.6
1977	73.3	69.5	77.2	74.0	70.2	77.9	69.9	64.7	73.2	67.7	63.4	72.0
1978	73.9	69.8	77.3	74.1	70.4	78.0	69.3	65.1	73.5	68.1	63.7	72.4
1979	73.8	70.0	77.8	74.6	70.8	78.4	69.8	65.4	74.1	68.6	64.0	72.9
1980	73.7	70.0	77.4	74.4	70.7	78.1	69.5	65.3	73.6	68.1	63.8	72.5
1981	74.2	70.4	77.8	74.8	71.1	78.4	70.3	66.1	74.4	68.8	64.5	73.2
1982	74.5	70.9	78.1	75.1	71.5	78.7	71.0	66.8	75.0	69.4	65.1	73.7
1983	74.8	71.8	78.1	75.2	71.7	78.7	71.1	67.2	74.9	69.8	65.4	73.6
1984	74.7	71.2	78.2	75.3	71.8	78.7	71.3	67.4	75.0	69.7	65.5	73.7
1985	74.7	71.2	78.2	75.3	71.8	78.7	71.2	67.2	75.0	69.6	65.3	73.5
1986	74.8	71.3	78.2	75.4	72.0	78.8	71.2	67.2	75.1	69.4	65.3	73.5
1987, prel.	74.8	71.5	78.3	75.5	72.1	78.8	71.5	67.3	75.4	69.7	65.4	73.6

NA Not available.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual, and unpublished data.

NO. 107. SELECTED LIFE TABLE VALUES: 1959 TO 1986

[Prior to 1980, excludes Alaska and Hawaii. Beginning 1970, excludes deaths of nonresidents of the United States. See also *Historical Statistics, Colonial Times to 1970*, series B 110-125]

AGE AND SEX	TOTAL					WHITE					BLACK		
	1959-1961	1969-1971	1979-1981	1985	1986	1959-1961	1969-1971	1979-1981	1985	1986	1979-1981	1985	1986
AVERAGE EXPECTATION OF LIFE IN YEARS													
At birth: Male	66.8	67.0	70.1	71.2	71.3	67.8	67.9	70.8	71.6	72.0	64.1	65.3	65.2
Female	73.2	74.6	77.6	78.2	78.3	74.2	75.5	78.2	78.7	78.8	72.9	73.5	73.5
Age 20: Male	49.8	49.5	51.9	52.7	52.8	50.3	50.2	52.5	53.3	53.4	48.5	47.4	47.3
Female	55.6	56.5	59.0	59.3	59.4	56.3	57.2	59.4	59.8	59.9	54.9	55.3	55.3
Age 40: Male	31.4	31.5	33.6	34.3	34.5	31.7	31.9	34.0	34.7	34.9	29.5	30.2	30.3
Female	36.6	37.5	39.6	40.1	40.2	37.1	38.1	40.2	40.4	40.5	36.3	36.6	36.6
Age 50: Male	23.0	23.1	25.0	25.6	25.8	23.2	23.3	25.3	25.8	26.1	22.0	22.5	22.7
Female	27.7	28.8	30.7	30.9	31.0	28.1	29.1	31.0	31.1	31.2	27.8	27.9	28.0
Age 65: Male	13.0	13.0	14.2	14.6	14.7	13.0	13.0	14.3	14.6	14.8	13.3	13.3	13.4
Female	15.8	16.8	18.4	18.6	18.6	15.8	16.9	18.6	18.7	18.7	17.1	17.0	17.0
ANNUAL DEATHS EXPECTED PER 1,000 ALIVE AT SPECIFIED AGE¹													
At birth: Male	29.1	22.5	13.9	12.0	11.8	25.8	20.1	12.3	10.8	10.0	23.0	19.8	20.0
Female	22.8	17.5	11.2	8.4	8.1	19.8	15.3	8.7	8.0	7.8	18.9	16.5	16.1
Age 20: Male	1.7	2.1	1.8	1.5	1.5	1.6	1.9	1.8	1.5	1.6	2.2	1.8	2.1
Female	.6	.7	.6	.5	.5	.6	.6	.6	.5	.5	.7	.6	.7
Age 40: Male	3.7	4.0	3.0	2.9	3.0	3.3	3.4	2.8	2.5	2.5	6.9	6.7	7.1
Female	2.3	2.3	1.8	1.4	1.5	1.9	1.9	1.4	1.3	1.3	3.2	2.9	3.1
Age 50: Male	10.1	8.7	7.8	6.8	6.7	9.6	8.9	7.1	6.2	6.0	14.8	13.1	13.0
Female	5.4	6.2	4.2	3.6	3.6	4.7	4.7	3.8	3.5	3.4	7.7	6.7	6.8
Age 65: Male	34.7	34.8	28.2	25.7	25.1	33.9	33.9	27.4	24.9	24.3	36.5	36.1	35.7
Female	18.5	16.8	14.3	14.0	14.0	17.4	16.6	13.6	13.5	13.4	21.6	20.9	21.2
NUMBER SURVIVING TO SPECIFIED AGE PER 1,000 BORN LIVE													
Age 20: Male	955	981	973	977	977	989	985	975	979	979	981	987	988
Female	989	973	982	985	985	971	976	984	986	986	972	976	979
Age 40: Male	918	916	933	941	938	924	928	940	946	944	885	896	891
Female	949	951	966	970	970	953	958	969	973	973	941	946	948
Age 50: Male	862	861	890	908	899	874	877	901	912	910	801	819	812
Female	913	918	941	948	948	925	929	947	953	954	868	898	906
Age 65: Male	642	643	706	729	731	698	693	724	746	745	551	581	581
Female	785	797	836	844	845	807	816	846	856	857	733	749	749

¹ See footnote 1, table 106.

Source: U.S. National Center for Health Statistics, *U.S. Life Tables and Actuarial Tables, 1969-71, 1969-71 and 1979-81*; and *Vital Statistics of the United States*, annual; and unpublished data.

NO. 108. AVERAGE LIFETIME IN YEARS, BY SEX—STATES: 1979-1981

STATE	BOTH SEXES		Male	Female	STATE	BOTH SEXES		Male	Female	STATE	BOTH SEXES		Male	Female
	Number	Rank				Number	Rank				Number	Rank		
U.S.	73.88	(X)	70.11	77.82	KS	75.31	8	71.60	76.99	ND	75.71	5	72.09	79.89
AL	72.53	45	68.26	76.79	KY	73.06	41	69.14	77.12	OH	73.49	36	69.85	77.06
AK	72.24	46	68.71	76.87	LA	71.74	50	67.64	75.69	OK	73.67	31	69.63	77.81
AZ	74.30	21	70.46	78.34	ME	74.59	19	70.78	78.41	OR	74.99	14	71.35	78.77
AR	73.72	29	69.73	77.83	MO	73.22	38	69.71	76.83	PA	73.58	34	69.90	77.16
CA	74.57	20	71.09	78.02	MA	75.01	13	71.27	78.46	RI	74.76	16	70.96	78.39
CO	75.30	9	71.78	78.90	MN	73.67	31	70.07	77.29	SC	71.85	49	67.56	76.12
CT	75.12	12	71.51	78.57	MI	76.15	2	72.52	79.82	SD	74.97	18	71.03	79.21
DE	73.21	40	69.56	76.78	MS	71.99	48	67.64	76.39	TN	73.30	39	69.15	77.47
DC	69.20	(X)	64.56	73.70	MO	73.84	27	69.92	77.72	TX	73.64	33	69.70	77.87
FL	74.00	23	70.08	77.96	MT	73.93	25	70.47	77.88	UT	76.79	4	72.38	79.18
GA	72.22	47	68.01	76.35	NE	75.49	6	71.73	79.29	VT	74.79	17	71.06	78.49
HI	77.02	1	74.08	80.33	NV	72.64	44	68.26	76.48	VA	73.43	38	69.80	77.27
ID	75.19	10	71.52	78.16	NH	74.99	15	71.43	78.42	WA	75.13	11	71.74	78.57
IL	73.37	37	69.55	77.13	NJ	74.00	23	70.48	77.39	WV	72.64	43	68.86	76.99
IN	73.84	27	70.16	77.45	NY	74.01	22	69.91	78.34	WI	75.35	7	71.86	78.67
IA	75.51	3	72.00	79.60	NC	72.96	42	68.60	77.36	WY	73.85	26	69.95	78.80

X Not applicable. ¹ Florida and New Jersey share the same rank of 23; Indiana and Missouri share the same rank of 27; Michigan and Oklahoma share the same rank of 31. Therefore, the numbers 24, 28, and 32 are omitted in order for the States to total 50.

Source: U.S. National Center for Health Statistics, *U.S. Decennial Life Tables for 1979-81, Vol. II State Life Tables (each State)*, August 1986.

NO. 100. EXPECTATION OF LIFE AND EXPECTED DEATHS, BY RACE, SEX, AND AGE: 1966

AGE IN 1966 (years)	EXPECTATION OF LIFE IN YEARS					EXPECTED DEATHS PER 1,000 ALIVE AT SPECIFIED AGE ¹				
	Total	White		Black		Total	White		Black	
		Male	Female	Male	Female		Male	Female	Male	Female
At birth	74.8	72.0	78.6	66.2	73.8	10.36	10.02	7.80	20.04	16.09
1	74.6	71.7	78.4	65.5	73.7	72	.76	.57	1.16	.96
2	73.8	70.8	77.5	64.6	72.8	.55	.55	.44	.94	.79
3	72.7	69.8	76.5	63.6	71.9	.43	.42	.34	.76	.64
4	71.7	68.8	75.5	62.7	70.9	.35	.34	.27	.62	.52
5	70.7	67.8	74.6	61.7	69.9	.29	.30	.22	.51	.43
6	69.8	66.9	73.8	60.7	69.0	.25	.26	.19	.43	.35
7	68.8	65.9	72.8	59.8	68.0	.23	.25	.17	.37	.29
8	67.9	64.9	71.8	58.8	67.0	.21	.23	.15	.33	.25
9	66.8	63.9	70.8	57.8	66.0	.19	.20	.14	.30	.22
10	65.8	62.9	69.8	56.8	65.0	.17	.18	.13	.30	.20
11	64.8	61.9	68.8	55.8	64.1	.16	.16	.12	.32	.20
12	63.8	61.0	67.7	54.9	63.1	.23	.27	.17	.40	.22
13	62.9	60.0	66.7	53.9	62.1	.34	.43	.27	.52	.25
14	61.9	59.0	65.7	52.9	61.1	.47	.64	.30	.69	.30
15	60.9	58.0	64.7	52.0	60.1	.63	.86	.39	.89	.38
16	59.9	57.1	63.7	51.0	59.1	.78	1.10	.48	1.08	.43
17	59.0	56.1	62.8	50.1	58.2	.90	1.29	.52	1.21	.48
18	58.0	55.2	61.8	49.1	57.2	.99	1.42	.54	1.34	.56
19	57.1	54.3	60.8	48.2	56.2	1.04	1.50	.53	1.40	.60
20	56.2	53.4	59.9	47.3	55.3	1.09	1.56	.52	2.07	.66
21	55.2	52.5	58.9	46.4	54.3	1.15	1.66	.52	2.35	.73
22	54.3	51.5	57.9	45.5	53.3	1.18	1.70	.51	2.58	.78
23	53.3	50.6	56.9	44.6	52.4	1.20	1.69	.51	2.74	.86
24	52.4	49.7	56.0	43.7	51.4	1.19	1.66	.52	2.67	.93
25	51.5	48.8	55.0	42.8	50.5	1.18	1.60	.52	2.96	1.00
26	50.5	47.9	54.0	42.0	49.5	1.17	1.55	.53	3.12	1.07
27	49.6	47.0	53.1	41.1	48.6	1.18	1.53	.54	3.28	1.17
28	48.7	46.0	52.1	40.2	47.6	1.21	1.56	.55	3.48	1.28
29	47.7	45.1	51.1	39.4	46.7	1.27	1.62	.57	3.72	1.40
30	46.8	44.2	50.1	38.5	45.7	1.33	1.69	.60	3.96	1.55
31	45.8	43.2	49.2	37.7	44.8	1.39	1.76	.63	4.23	1.69
32	44.9	42.3	48.2	36.8	43.9	1.45	1.82	.67	4.54	1.82
33	44.0	41.4	47.2	36.0	43.0	1.51	1.87	.71	4.75	1.91
34	43.0	40.5	46.3	35.2	42.1	1.56	1.90	.75	5.00	1.99
35	42.1	39.5	45.3	34.3	41.1	1.61	1.95	.79	5.27	2.07
36	41.2	38.6	44.3	33.5	40.2	1.66	2.02	.85	5.55	2.17
37	40.2	37.7	43.4	32.7	39.3	1.76	2.11	.93	5.86	2.32
38	39.3	36.8	42.4	31.9	38.4	1.90	2.22	1.03	6.25	2.53
39	38.4	35.9	41.5	31.1	37.5	2.04	2.37	1.14	6.65	2.79
40	37.4	34.9	40.5	30.3	36.6	2.20	2.54	1.27	7.11	3.06
41	36.5	34.0	39.6	29.5	35.7	2.36	2.73	1.42	7.58	3.40
42	35.6	33.1	38.8	28.7	34.8	2.57	2.95	1.57	8.02	3.69
43	34.7	32.2	37.7	28.0	34.0	2.77	3.18	1.71	8.40	3.94
44	33.8	31.3	36.7	27.2	33.1	2.96	3.43	1.86	8.75	4.18
45	32.9	30.4	35.8	26.4	32.2	3.22	3.72	2.03	9.10	4.42
46	32.0	29.5	34.9	25.7	31.4	3.50	4.05	2.22	9.52	4.71
47	31.1	28.7	33.9	24.9	30.5	3.82	4.44	2.45	10.11	5.08
48	30.2	27.8	33.0	24.1	29.7	4.21	4.90	2.72	10.82	5.56
49	29.4	26.9	32.1	23.4	28.8	4.67	5.42	3.04	11.81	6.14
50	28.5	26.1	31.2	22.7	28.0	5.17	6.00	3.39	13.03	6.78
51	27.6	25.2	30.3	22.0	27.2	5.70	6.64	3.77	14.17	7.45
52	26.8	24.4	29.4	21.3	26.4	6.27	7.35	4.15	15.25	8.08
53	26.0	23.6	28.6	20.6	25.6	6.86	8.14	4.53	16.21	8.66
54	25.1	22.7	27.7	19.9	24.8	7.46	9.01	4.93	17.09	9.19
55	24.3	21.9	26.8	19.3	24.0	8.10	9.94	5.35	17.95	9.70
56	23.5	21.2	26.0	18.6	23.3	8.82	10.94	5.83	18.95	10.31
57	22.7	20.4	25.1	18.0	22.5	9.64	12.08	6.39	20.24	11.17
58	21.9	19.6	24.3	17.3	21.8	10.60	13.30	7.07	21.94	12.35
59	21.2	18.9	23.4	16.7	21.0	11.68	14.65	7.85	23.97	13.78
60	20.4	18.2	22.6	16.1	20.3	12.87	16.14	8.70	26.24	15.36
61	19.7	17.5	21.8	15.5	19.6	14.11	17.70	9.61	28.54	16.99
62	18.9	16.8	21.0	15.0	19.0	15.36	19.31	10.63	30.88	18.40
63	18.2	16.1	20.2	14.4	18.3	16.58	20.82	11.46	32.52	19.49
64	17.5	15.4	19.5	13.8	17.7	17.82	22.57	12.40	34.13	20.36
65	16.8	14.8	18.7	13.4	17.0	19.10	24.28	13.41	35.69	21.15
70	13.6	11.7	15.1	10.8	13.9	29.01	37.82	20.93	49.25	29.85
75	10.7	9.1	11.9	8.7	11.1	43.45	57.82	31.00	68.36	42.47
80	8.1	6.9	8.8	6.8	8.5	66.00	97.57	52.87	97.05	64.22
85 and over	6.0	5.1	6.4	5.5	6.7	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00

¹ Based on the proportion of the cohort who are alive at the beginning of an indicated age interval who will die before reaching the end of that interval. For example, out of every 1,000 people alive and exactly 60 years old at the beginning of the period, between 5 and 6 (5.17) will die before reaching their 61st birthdays.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual.

NO. 110. DEATHS AND DEATH RATES, BY SEX AND RACE: 1960 TO 1967

[Rates are per 1,000 population for specified groups. Except as noted, excludes deaths of nonresidents of the U.S. Excludes fetal deaths. For explanation of age-adjustment, see text, section 2. The standard population for this table is the total population of the United States enumerated in 1940. See Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series B 167-173 and B 161-192.]

SEX AND RACE	1960 ¹	1970	1975	1979	1985	1981	1982	1980	1984	1986	1988	1987, ² prel.
Deaths ³ (1,000).....	1,712	1,821	1,889	1,914	1,996	1,976	1,976	2,019	2,039	2,039	2,106	2,127
Male ³ (1,000).....	978	1,078	1,081	1,045	1,078	1,064	1,056	1,072	1,077	1,086	1,104	1,108
Female ³ (1,000).....	736	843	842	869	918	914	919	947	962	953	1,001	1,019
White (1,000).....	1,505	1,682	1,680	1,678	1,739	1,731	1,728	1,789	1,782	1,819	1,831	1,869
Male (1,000).....	881	942	916	910	934	925	919	932	936	950	953	967
Female (1,000).....	644	740	743	768	806	806	810	854	847	869	878	902
Black (1,000).....	198	226	218	221	239	229	227	283	236	244	250	251
Male (1,000).....	108	128	124	124	130	127	126	129	129	131	137	137
Female (1,000).....	88	98	94	96	109	101	101	154	107	111	113	114
Death rates ³	9.5	9.5	9.5	9.5	9.9	9.8	9.8	9.8	9.8	9.7	9.7	9.7
Male ³	11.0	10.8	10.0	9.8	9.8	9.8	9.8	9.4	9.4	9.5	9.4	9.4
Female ³	8.1	8.1	7.8	7.8	7.9	7.8	7.7	7.9	7.9	8.1	8.1	8.2
White.....	9.5	9.5	9.5	9.7	9.9	9.9	9.7	9.8	9.8	9.9	9.9	9.9
Male.....	11.0	10.8	10.0	9.8	9.8	9.7	9.8	9.8	9.8	9.8	9.8	9.8
Female.....	8.0	8.1	7.8	7.7	8.1	8.0	8.0	8.2	8.2	8.4	8.4	8.5
Black.....	10.4	10.0	9.8	9.4	9.8	9.4	9.2	9.3	9.3	9.5	9.5	9.4
Male.....	11.8	11.8	10.6	10.0	10.9	9.9	9.6	9.6	9.6	9.8	9.9	9.7
Female.....	8.1	8.3	7.9	7.0	7.9	7.1	6.9	7.1	7.1	7.9	7.9	7.9
Age-adjusted death rates ³	7.9	7.1	6.9	6.8	6.9	6.7	6.6	6.8	6.9	6.6	6.4	6.4
Male ³	8.5	9.3	8.4	7.7	7.8	7.5	7.3	7.3	7.2	7.2	7.1	7.0
Female ³	5.9	6.3	4.6	4.2	4.9	4.2	4.1	4.1	4.1	4.1	4.1	4.0
White.....	7.3	6.8	6.0	5.5	5.9	5.4	5.3	5.3	5.2	5.2	5.2	5.1
Male.....	9.2	8.9	8.0	7.4	7.5	7.2	7.1	7.0	6.9	6.9	6.8	6.7
Female.....	5.8	5.0	4.4	4.0	4.1	4.0	3.9	3.9	3.9	3.9	3.9	3.9
Black.....	10.7	10.4	9.9	9.1	9.4	8.0	7.8	7.8	7.7	7.8	7.8	7.7
Male.....	12.5	13.2	11.8	10.7	11.1	10.7	10.4	10.2	10.1	10.2	10.3	10.1
Female.....	9.2	8.1	8.7	8.1	8.3	6.0	5.9	5.9	5.9	5.9	5.9	5.9

¹ Includes deaths of nonresidents of the U.S. ² Based on a 10-percent sample of deaths. ³ Includes other races, not shown separately.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

NO. 111. DEATH RATES, BY AGE, SEX, AND RACE: 1960 TO 1967

[Number of deaths per 100,000 population in specified group. See heading, table 110.]

SEX, YEAR, AND RACE	All ages ¹	Under 1 yr. old	1-4 yr. old	5-14 yr. old	15-24 yr. old	25-34 yr. old	35-44 yr. old	45-54 yr. old	55-64 yr. old	65-74 yr. old	75-84 yr. old	85 yr. old and over
MALE²												
1960 ³	1,105	3,059	120	56	152	199	373	992	2,310	4,914	10,176	21,189
1970	1,080	2,410	93	51	189	215	403	958	2,283	4,974	10,010	17,822
1975	1,002	1,786	77	41	174	199	345	859	2,018	4,409	9,154	16,136
1980	977	1,429	73	37	172	199	299	767	1,815	4,105	8,817	15,801
1985	945	1,187	58	32	141	178	278	669	1,693	3,788	8,504	16,325
1986	941	1,153	58	32	151	183	286	653	1,648	3,701	8,353	16,187
1987, prel. ⁴	935	1,123	58	32	151	189	290	638	1,626	3,635	8,205	16,087
White 1970	1,087	2,113	64	48	171	177	344	883	2,203	4,810	10,099	18,562
1980	983	1,230	66	36	167	171	257	699	1,729	4,036	8,830	16,087
1985	980	1,039	52	30	136	167	241	609	1,614	3,717	8,500	16,789
1987, prel. ⁴	952	939	54	30	145	167	251	578	1,556	3,586	8,200	16,486
Black 1970	1,187	4,298	151	67	321	580	957	1,778	3,257	5,803	9,455	12,222
1980	1,034	2,587	111	47	209	407	690	1,480	2,873	5,131	9,232	16,099
1985	977	2,135	69	41	174	347	642	1,263	2,823	4,669	9,296	15,048
1987, prel. ⁴	973	2,218	65	46	195	370	674	1,244	2,474	4,592	9,239	14,967
FEMALE²												
1960 ³	809	2,321	98	37	81	107	229	527	1,196	2,872	7,833	19,008
1970	808	1,864	82	32	88	102	231	517	1,099	2,580	6,676	15,518
1975	761	1,411	77	27	80	84	191	456	994	2,237	5,743	14,456
1980	785	1,142	64	24	58	76	141	413	934	2,145	5,440	14,747
1985	807	932	51	21	50	89	141	373	919	2,095	5,220	14,343
1986	809	906	48	20	52	72	140	365	908	2,091	5,152	14,298
1987, prel. ⁴	816	884	44	19	52	74	136	367	910	2,070	5,102	14,377
White 1970	812	1,616	66	30	62	84	193	463	1,015	2,471	6,699	15,980
1980	806	983	49	23	56	66	136	373	876	2,067	5,402	14,980
1985	837	787	40	19	48	59	121	340	864	2,026	5,171	14,579
1987, prel. ⁴	851	730	44	18	50	64	118	335	858	2,012	5,076	14,642
Black 1970	829	3,369	144	44	112	231	533	1,044	1,989	3,661	6,692	10,707
1980	733	2,124	84	31	71	150	324	768	1,561	3,057	6,212	12,367
1985	728	1,757	71	28	60	136	278	654	1,502	2,926	6,252	12,166
1987, prel. ⁴	727	1,781	61	28	64	140	295	644	1,486	2,879	5,980	11,821

¹ Includes unknown age. ² Includes other races not shown separately. ³ Includes deaths of nonresidents. ⁴ Based on a 10-percent sample of deaths.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

NO. 112. DEATHS AND DEATH RATES, BY STATE: 1970 TO 1987

(Excludes deaths of nonresidents of the U.S., except as noted. See Appendix III. For composition of regions, see fig. 1, inside front cover)

REGION, DIVISION AND STATE	NUMBER OF DEATHS (1,000)							RATE PER 1,000 POPULATION						
	By State of residence					By State of occurrence ¹		By State of residence					By State of occurrence ¹	
	1970	1980	1984	1985	1986	1986, prel.	1987, prel.	1970	1980	1984	1985	1986	1986, prel.	1987, prel.
United States	1,821	1,866	2,039	2,066	2,106	2,069	2,127	8.6	8.8	9.6	9.7	9.7	9.7	9.7
Region:														
Northeast	489	480	485	485	488	483	486	10.2	9.8	9.6	9.7	9.7	9.7	9.7
Midwest	541	524	532	532	536	536	533	9.8	9.9	8.8	9.0	9.0	9.0	8.9
South	593	659	713	723	727	727	732	9.5	8.7	8.8	8.7	8.7	8.8	8.7
West	298	327	356	356	359	354	376	8.3	7.6	7.4	7.4	7.4	7.3	7.6
New England	119	118	119	118	118	118	119	9.8	9.3	9.2	9.3	9.3	9.1	9.3
Maine	11	11	11	11	11	11	11	11.1	9.6	9.4	9.6	9.6	9.4	9.6
New Hampshire	7	8	8	8	8	8	8	10.0	8.3	8.2	8.5	8.4	8.2	7.9
Vermont	4	5	5	5	5	5	5	10.0	9.0	8.6	8.7	8.6	8.9	8.2
Massachusetts	57	55	55	55	56	54	56	10.1	9.8	9.5	9.6	9.6	9.3	9.6
Rhode Island	9	9	9	10	10	10	10	10.0	9.6	9.8	10.0	10.0	10.2	10.0
Connecticut	26	27	26	26	26	27	28	8.8	8.6	8.8	8.9	8.8	8.6	8.6
Middle Atlantic	288	265	262	267	267	267	266	10.3	9.9	9.8	9.8	9.8	9.8	9.8
New York	186	173	171	172	174	173	172	10.3	9.6	9.6	9.7	9.8	9.7	9.7
New Jersey	86	89	89	71	72	89	70	9.5	9.4	9.2	9.4	9.4	9.1	9.1
Pennsylvania	127	124	122	124	124	125	126	10.8	10.4	10.3	10.4	10.6	10.5	10.5
East North Central	377	365	363	370	376	372	367	9.4	8.9	8.7	8.9	9.0	8.9	8.8
Ohio	100	98	97	99	100	100	98	9.4	9.1	9.0	9.2	9.3	9.3	9.1
Indiana	49	47	47	48	48	50	49	9.3	8.6	8.6	8.6	9.0	9.1	8.9
Illinois	111	103	101	102	103	101	99	10.0	9.0	8.9	8.9	8.9	8.7	8.5
Michigan	76	75	77	79	80	79	79	8.8	8.1	8.7	8.7	8.8	8.7	8.6
Wisconsin	41	41	41	41	42	42	42	9.2	8.7	8.7	8.7	8.8	8.8	8.6
West North Central	164	189	189	182	181	184	186	10.1	9.2	9.1	9.2	9.2	9.4	9.4
Minnesota	34	33	34	35	35	35	35	8.9	8.2	8.1	8.3	8.3	8.3	8.2
Iowa	29	27	27	28	27	27	27	10.4	9.3	9.3	9.7	9.5	9.3	9.5
Missouri	52	50	49	50	50	54	55	11.1	10.1	9.8	10.0	9.9	10.6	10.7
North Dakota	6	6	6	6	6	6	6	9.1	8.6	8.1	8.2	7.9	8.4	8.7
South Dakota	7	7	7	7	7	7	7	9.9	9.5	9.3	9.3	9.3	9.4	9.4
Nebraska	15	14	15	15	15	15	15	10.1	9.1	9.1	9.2	9.2	9.3	9.5
Kansas	22	22	22	22	22	22	22	9.7	9.3	9.1	9.0	9.1	8.8	8.8
South Atlantic	290	336	380	364	372	374	379	9.5	9.9	9.9	9.8	9.1	9.1	9.1
Delaware	5	5	5	5	6	6	6	9.0	8.5	8.3	8.8	8.9	9.0	8.8
Maryland	33	34	35	37	37	37	37	8.4	8.1	8.2	8.3	8.4	8.2	8.2
District of Columbia	9	7	7	7	7	8	9	11.7	11.1	10.6	11.2	11.7	13.4	13.9
Virginia	39	43	44	45	47	46	46	8.4	8.0	7.9	7.9	8.0	7.9	7.9
West Virginia	20	19	19	18	20	20	20	11.5	9.9	9.8	10.0	10.4	10.3	10.5
North Carolina	45	48	51	53	55	55	55	8.8	8.2	8.3	8.5	8.6	8.7	8.6
South Carolina	23	25	26	27	28	27	26	8.8	8.1	8.0	8.1	8.3	8.1	8.1
Georgia	42	44	47	49	48	50	50	9.1	8.1	8.0	8.1	8.1	8.2	8.0
Florida	75	105	115	121	124	125	128	11.0	10.7	10.4	10.7	10.8	10.7	10.7
East South Central	128	134	136	149	141	143	149	10.0	9.1	9.1	9.3	9.3	9.4	9.4
Kentucky	33	34	34	35	35	34	34	10.3	9.2	9.0	9.4	9.3	9.2	9.1
Tennessee	38	41	42	43	44	47	46	9.7	8.9	9.0	9.1	9.2	9.9	10.0
Alabama	34	36	37	36	36	37	37	9.8	9.1	9.2	9.3	9.3	9.2	9.1
Mississippi	23	24	24	25	24	24	24	10.5	9.4	9.2	9.4	9.3	9.0	9.1
West South Central	175	188	206	209	208	211	210	9.1	8.2	7.9	7.9	7.8	7.9	7.9
Arkansas	21	23	24	24	24	24	23	10.7	9.9	10.1	10.2	10.1	10.1	9.9
Louisiana	33	36	36	37	38	37	37	9.2	8.5	8.0	8.3	8.1	8.1	8.2
Oklahoma	27	28	29	30	30	29	28	10.5	9.3	8.9	9.0	9.1	8.7	8.6
Texas	84	108	117	118	119	118	122	8.4	7.6	7.3	7.2	7.1	7.3	7.3
Mountain	86	87	87	85	86	82	84	8.0	7.0	6.9	6.9	6.9	7.1	7.1
Montana	7	7	7	7	7	7	7	9.5	8.5	8.2	8.2	8.3	8.1	8.1
Idaho	6	7	7	7	7	7	7	8.6	7.2	7.3	7.1	7.4	7.0	7.0
Wyoming	3	3	3	3	3	3	3	8.8	8.9	8.2	8.4	8.3	8.0	5.9
Colorado	17	19	20	20	21	21	21	7.9	6.6	6.4	6.3	6.4	6.5	6.6
New Mexico	7	9	10	10	10	10	10	7.3	7.0	6.7	6.7	6.8	7.0	7.0
Arizona	16	21	24	25	26	26	26	8.4	7.9	7.6	7.7	7.8	8.0	8.1
Utah	7	8	9	9	9	9	9	8.7	5.6	5.5	5.5	5.4	5.6	5.6
Nevada	4	6	7	7	7	8	9	7.9	7.4	7.4	7.7	7.7	8.0	8.5
Pacific	221	247	280	288	288	282	282	6.3	7.6	7.8	7.7	7.5	7.3	7.7
Washington	30	32	34	35	34	33	35	8.8	7.7	7.8	7.8	7.7	7.4	7.7
Oregon	20	22	23	24	23	23	24	9.3	8.3	8.7	8.9	8.7	8.7	8.9
California	166	187	198	202	203	199	214	6.3	7.9	7.8	7.7	7.5	7.3	7.8
Alaska	1	2	2	2	2	2	2	4.8	4.3	3.8	4.0	3.9	4.1	4.0
Hawaii	4	5	6	6	6	6	6	5.2	5.2	5.4	5.5	5.5	5.8	5.9

¹ Includes deaths of nonresidents.Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States, annual*; and *Monthly Vital Statistics Report*.

NO. 113. INFANT, MATERNAL, AND NEONATAL MORTALITY RATES, AND FETAL MORTALITY RATIOS, BY RACE: 1960 TO 1986

[Deaths per 1,000 live births, except as noted. Beginning 1970, excludes deaths of nonresidents of U.S. See also Appendix III and Historical Statistics, Colonial Times to 1970, series B 139-147]

ITEM	1960	1961	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Infant deaths ¹	26.0	25.0	16.1	14.1	13.6	13.1	12.6	11.9	11.5	11.2	10.6	10.6	10.4
White	22.9	17.6	14.2	12.3	12.0	11.4	11.0	10.5	10.1	9.7	9.4	9.3	8.9
Black and other	43.2	30.9	34.2	21.7	21.1	19.5	18.1	17.9	17.3	16.8	16.1	15.8	15.7
Black	44.3	32.5	26.2	23.5	23.1	21.5	21.4	20.0	19.5	19.2	18.4	18.2	18.0
Maternal deaths ²	37.1	21.6	12.6	11.2	9.6	9.6	9.2	8.6	7.9	8.0	7.8	7.8	7.3
White	26.0	14.4	9.1	7.7	6.4	6.4	6.7	6.3	5.5	5.9	5.4	5.2	4.9
Black and other	67.9	55.9	29.0	25.0	23.0	22.7	19.8	17.3	16.4	16.3	15.9	14.1	16.0
Black	103.6	89.8	31.3	29.2	28.0	25.1	21.5	20.4	18.2	18.3	19.7	20.4	18.8
Fetal deaths ³	16.1	14.2	10.7	9.5	8.7	8.4	8.2	8.5	8.0	8.4	8.2	7.9	7.7
White	14.1	12.4	8.5	6.7	6.5	6.4	6.2	6.0	7.9	7.4	7.4	7.0	6.8
Black and other	26.6	22.6	16.0	14.6	14.7	13.9	13.4	12.8	12.7	12.2	11.5	11.3	11.2
Neonatal deaths ⁴	16.7	15.1	11.6	9.6	9.5	8.9	8.5	8.0	7.7	7.9	7.9	7.9	6.7
White	17.2	15.8	10.4	8.7	8.4	7.9	7.5	7.1	6.5	6.4	6.2	6.1	5.8
Black and other	26.9	21.4	16.6	14.7	14.0	12.9	12.5	11.8	11.3	10.8	10.2	10.3	10.1
Black	27.6	22.8	18.3	16.1	15.5	14.3	14.1	13.4	13.1	12.4	11.5	12.1	11.7

¹ Represents deaths of infants under 1 year old, exclusive of fetal deaths.
² Per 100,000 live births from deliveries and complications of pregnancy, childbirth, and the puerperium. Beginning 1979 deaths are classified according to the ninth revision of the *International Classification of Diseases*; for the earlier years classified according to the revision in use at the time; see text, section 2.
³ Beginning 1970, includes only those deaths with stated or presumed period of gestation of 20 weeks or more; for prior years, includes gestational age not stated. ⁴ Represents deaths of infants under 28 days old, exclusive of fetal deaths.
Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

NO. 114. FETAL AND INFANT DEATHS—NUMBER AND PERCENT DISTRIBUTION: 1960 TO 1986

[State requirements for reporting of fetal deaths vary. Most States require reporting of fetal deaths of gestations of 20 weeks or more. There is substantial evidence that not all fetal deaths for which reporting is required are reported. For details of methodology, see Appendix III and source]

YEAR	NUMBER						PERCENT DISTRIBUTION					
	Total	Fetal deaths		Infant deaths			Total	Fetal deaths		Infant deaths		
		Early ¹	Late ²	Neonatal		Post-neo-natal ³		Early ¹	Late ²	Neonatal		Post-neo-natal ³
				Early ⁴	Late ⁴					Early ⁴	Late ⁴	
1960	179,363	16,498	51,854	71,125	3,808	31,140	100.0	8.2	29.0	39.7	4.8	17.4
1965	153,725	15,363	46,476	59,878	6,741	26,447	100.0	10.0	29.6	36.8	4.4	17.2
1970	127,826	17,170	35,791	50,821	5,458	16,386	100.0	13.5	26.0	38.8	4.3	14.4
1975	84,321	8,995	24,801	31,396	5,020	14,109	100.0	10.7	29.4	37.2	6.0	16.7
1976	81,376	9,200	23,911	29,497	5,090	13,678	100.0	11.3	29.4	36.2	6.3	16.8
1977	80,028	9,399	23,654	27,839	5,021	14,116	100.0	11.7	29.6	34.8	6.3	17.6
1978	76,246	10,013	22,268	26,607	5,011	14,327	100.0	12.8	26.5	34.0	6.4	16.3
1979	75,834	10,402	22,567	26,061	4,929	14,866	100.0	13.2	26.7	33.1	6.3	16.7
1980	75,879	10,764	22,599	25,492	5,126	14,906	100.0	13.6	26.7	32.3	6.5	16.9
1981	75,901	11,126	21,470	24,384	4,737	14,184	100.0	14.7	26.3	32.1	6.2	16.7
1982	75,095	11,028	21,686	23,706	4,629	14,066	100.0	14.7	26.9	31.6	6.2	16.7
1983	71,379	10,933	19,819	22,315	4,182	14,120	100.0	15.3	27.8	31.3	5.9	16.8
1984	69,679	10,963	19,136	21,566	4,125	13,869	100.0	15.7	27.5	31.0	5.9	16.9
1985	69,691	10,958	18,703	21,666	4,314	13,851	100.0	15.7	26.8	31.4	6.2	16.9
1986	67,653	11,100	17,872	21,063	4,169	13,679	100.0	16.4	26.3	31.0	6.1	20.2

¹ 20-27 weeks gestation. ² 28 weeks or more gestation. ³ Less than 7 days. ⁴ 7-27 days. ⁵ 28 days-11 months.
Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual.

NO. 115. INFANT DEATHS AND INFANT MORTALITY RATES, BY CAUSE OF DEATH: 1980 TO 1986

[Excludes deaths of nonresidents of U.S. Deaths classified according to ninth revision of *International Classification of Diseases*. See also Appendix III]

CAUSE OF DEATH	NUMBER				PERCENT DISTRIBUTION				INFANT MORTALITY RATE ¹			
	1980	1984	1985	1986	1980	1984	1985	1986	1980	1984	1985	1986
Total	65,526	38,580	40,030	38,891	100.0	100.0	100.0	100.0	1,280.3	1,078.7	1,084.5	1,036.3
Congenital anomalies	9,220	6,546	6,561	6,244	20.3	21.6	21.4	21.2	255.2	233.0	227.7	219.5
Sudden infant death syndrome	5,510	5,245	5,315	5,278	12.1	13.3	13.3	13.8	152.5	142.9	141.3	140.5
Respiratory distress syndrome	4,899	3,557	3,891	3,403	11.0	9.0	9.2	8.8	136.1	96.9	98.2	90.6
Disorders relating to short gestation and unspecified low birthweight	3,846	3,262	3,257	3,245	8.0	8.2	8.1	8.3	101.0	88.9	86.6	86.4
Newborn affected by maternal complications of pregnancy	1,572	1,406	1,395	1,355	3.5	3.6	3.3	3.5	43.5	38.3	36.5	36.1
Intrauterine hypoxia and birth asphyxia	1,497	1,170	1,158	983	3.3	3.0	2.9	2.5	41.4	31.9	30.8	26.2
Infections specific to the perinatal period	871	689	955	918	2.1	2.2	2.4	2.4	26.9	24.2	25.4	24.4
Accidents and adverse effects	1,166	638	690	909	2.6	2.1	2.2	2.3	32.3	22.8	23.7	24.2
Newborn affected by complications of placenta, cord, and membranes	885	687	691	838	2.2	2.2	2.2	2.1	27.3	24.2	23.7	22.3
Pneumonia and influenza	1,012	666	706	663	2.2	1.7	1.8	1.7	26.0	18.7	18.7	17.6
All other causes	14,856	13,083	13,272	13,057	32.9	33.1	33.2	33.6	414.1	358.8	352.9	347.6

¹ Deaths of infants under 1 year old per 100,000 live births.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual.

NO. 116. INFANT MORTALITY RATES, BY RACE—STATES: 1980 AND 1986

[Deaths per 1,000 live births, by place of residence. Represents deaths of infants under 1 year old, exclusive of total deaths. Excludes deaths of nonresidents of the United States. See Appendix III and *Historical Statistics, Colonial Times to 1870*, series B 143-147, for U.S. total by race]

DIVISION AND STATE	TOTAL ¹		WHITE		BLACK		DIVISION AND STATE	TOTAL ¹		WHITE		BLACK	
	1980	1986	1980	1986	1980	1986		1980	1986	1980	1986	1980	1986
U.S.	12.6	10.4	11.0	8.6	21.4	18.0	So. Atl.—Con.						
N. Eng.	10.5	8.8	10.1	8.2	17.7	18.2	VA	12.6	11.1	11.9	9.0	19.6	18.0
ME	9.2	6.8	8.4	9.0	-	-	WY	11.8	10.2	11.4	9.6	21.5	25.8
NH	8.9	9.1	8.9	9.1	² 22.5	² 18.1	NC	14.5	11.5	12.1	9.2	20.0	17.4
VT	10.7	10.0	10.7	9.7	-	² 38.5	SC	15.6	13.2	10.8	10.1	22.9	18.1
MA	10.5	8.5	10.1	7.7	16.8	18.5	GA	14.5	12.5	10.8	9.4	21.0	16.4
RI	11.0	9.4	10.9	8.8	² 17.4	² 16.7	FL	14.8	11.0	11.8	8.8	22.8	18.2
CT	11.2	9.1	10.2	7.8	19.1	18.4	E. So. Cent.						
Mt. Atl.	12.8	10.4	11.1	8.7	21.1	17.8	KY	14.5	11.8	11.8	8.3	21.8	17.8
NY	12.5	10.7	10.8	9.2	20.0	16.7	TN	12.8	9.8	12.0	9.8	22.0	12.7
NJ	12.5	9.8	10.3	7.8	21.8	18.5	AL	13.6	11.0	11.8	8.7	19.3	18.6
PA	13.2	10.2	11.8	8.6	23.1	18.6	MS	15.1	13.3	11.8	9.8	21.6	20.0
E. No. Cent.							W. So. Cent.						
OH	13.0	11.1	10.9	9.3	24.4	20.9	AR	12.7	10.1	11.1	8.8	19.8	16.3
IN	12.8	10.6	11.2	9.5	23.0	17.4	LA	12.7	10.3	10.3	8.9	20.0	15.3
IL	11.9	11.3	-	10.1	23.4	21.5	OK	14.3	11.9	10.5	8.7	20.6	17.0
MI	14.8	12.1	11.7	8.3	26.3	22.3	TX	12.7	10.4	12.1	10.1	21.8	17.3
WI	12.8	11.4	10.8	9.0	24.2	22.8	W. So. Cent.	12.2	9.5	11.2	8.6	18.6	16.9
W. No. Cent.							MT	11.9	9.3	10.7	8.0	18.5	15.7
MN	10.3	9.2	9.7	8.5	18.5	17.3	ID	12.4	9.8	11.8	8.7	-	-
W. Atl.							WY	10.7	11.3	10.7	11.3	-	² 38.3
DE	14.5	11.7	11.6	9.2	21.8	18.3	CO	9.6	10.9	9.3	10.8	² 25.9	-
MD	13.9	11.5	9.8	9.8	27.9	17.8	NM	10.1	8.6	9.8	8.3	19.1	17.2
DC	14.0	11.7	11.6	9.5	20.4	17.3	AZ	11.5	9.5	11.3	9.0	² 23.1	² 17.4
	25.0	21.1	17.8	13.3	26.7	24.0	UT	12.4	9.4	11.8	9.0	18.4	14.7
							NV	-	8.6	10.5	8.6	² 27.3	² 9.3
							Pac.	10.7	9.1	10.0	8.6	20.6	15.9
							WA	11.2	9.1	10.9	8.8	17.8	16.0
							OR	11.8	9.8	11.5	9.8	16.4	13.5
							CA	12.2	9.4	12.2	9.3	² 15.9	² 18.8
							AK	11.1	8.8	10.6	8.6	19.0	16.2
							HI	12.3	10.8	9.4	10.1	² 19.5	² 11.0
												² 11.8	² 11.9

- Represents zero. ¹ Includes other races, not shown separately. ² Based on a frequency of less than 20 infant deaths.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

NO. 117. DEATHS AND DEATH RATES, BY SELECTED CAUSES: 1970 TO 1986

[Excludes deaths of nonresidents of the U.S. For explanation of age-adjustment, see text, section 2. The standard population for this table is the total population of the United States enumerated in 1940. Beginning 1978, deaths classified according to ninth revision of *International Classification of Diseases*; for earlier years, classified according to revision in use at that time. See also Appendix III and *Historical Statistics, Colonial Times to 1970*, series B140-198.]

CAUSE OF DEATH	DEATHS (1,000)				CRUDE DEATH RATE PER 100,000 POPULATION ¹				AGE-ADJUSTED DEATH RATES PER 100,000 POPULATION ¹		
	1970	1980	1985	1986	1970	1980	1985	1986	1970	1980	1986
All causes	1,521.0	1,368.5	1,396.4	1,106.4	945.3	876.3	873.9	873.2	714.3	585.8	541.7
Major cardiovascular diseases	1,008.0	988.5	977.9	969.2	496.0	436.4	409.6	401.6	340.1	258.0	216.8
Diseases of heart	736.5	761.1	771.2	765.5	382.0	336.0	323.0	317.5	253.6	202.0	175.0
Percent of total	38.3	38.3	37.0	36.4	36.3	36.3	37.0	36.4	35.5	34.5	32.3
Rheumatic fever and rheumatic heart disease	14.9	7.8	6.8	6.4	7.3	3.5	2.8	2.7	6.3	2.6	1.8
Hypertensive heart disease ²	16.0	24.8	22.7	29.0	7.4	10.9	9.9	9.5	4.9	6.8	6.5
Ischemic heart disease	666.7	565.8	538.8	580.7	328.1	249.7	224.8	216.0	228.1	149.8	118.8
Other diseases of endocardium	6.7	7.2	9.6	10.1	3.3	3.2	4.0	4.2	2.3	2.0	2.2
All other forms of heart disease	32.3	155.5	184.8	206.2	15.9	66.7	81.5	85.1	12.0	40.6	46.6
Hypertension ²	8.3	7.8	7.8	6.0	4.1	3.5	3.2	3.3	2.9	2.0	1.8
Cerebrovascular diseases	207.2	170.2	183.1	149.6	101.9	75.1	64.1	62.1	66.3	40.6	31.0
Atherosclerosis	31.7	29.4	23.9	22.7	15.8	13.0	10.0	9.4	6.4	5.7	3.7
Other	25.3	20.0	22.0	22.4	12.5	9.6	9.2	9.3	8.6	5.5	5.4
Malignancies ³	330.7	416.5	481.8	469.4	162.8	183.9	198.2	194.7	129.8	132.8	133.2
Percent of total	17.2	30.9	22.1	22.3	17.2	20.9	22.1	22.3	18.2	22.7	24.6
Of respiratory and intrathoracic organs	89.5	108.5	127.3	130.5	34.2	47.8	53.3	54.1	28.4	36.4	38.0
Of digestive organs and peritoneum	94.7	110.6	118.6	116.5	45.8	48.8	46.6	46.3	35.2	38.0	30.9
Of genital organs	41.2	46.4	48.7	51.2	20.3	20.8	20.8	21.3	15.6	13.6	13.1
Of breast	29.9	35.8	40.4	40.8	14.7	15.8	16.9	16.9	12.6	12.5	12.6
Of urinary organs	15.5	17.8	18.9	19.1	7.6	7.9	7.9	7.9	5.7	6.2	6.0
Leukemia	14.5	16.5	17.3	17.4	7.1	7.3	7.3	7.2	6.8	5.4	5.0
Accidents and adverse effects	114.8	105.7	93.5	95.3	58.4	46.7	39.1	39.5	53.7	42.8	35.2
Motor vehicle	54.6	53.2	45.8	47.9	26.9	23.5	18.2	18.6	27.4	22.8	19.4
All other	60.0	52.5	47.6	47.4	29.5	23.3	19.9	19.7	26.3	19.5	15.7
Chronic obstructive pulmonary diseases and allied conditions ⁴	35.8	36.1	74.7	76.8	15.2	24.7	31.3	31.6	11.8	15.9	18.6
Bronchitis, chronic and unspecified	5.8	3.7	3.6	3.8	2.9	1.6	1.6	1.6	2.1	1.0	.9
Emphysema	22.7	13.9	14.2	14.5	11.2	6.1	8.9	8.0	6.4	4.0	3.7
Asthma	2.3	2.9	3.9	4.0	1.1	1.3	1.6	1.6	1.0	1.0	1.2
Other	(7)	35.6	53.0	54.4	(7)	15.7	22.2	22.6	(7)	9.8	13.0
Pneumonia and influenza	82.7	54.6	67.8	66.8	30.8	34.1	26.3	26.0	22.1	12.8	13.5
Pneumonia	59.0	51.8	65.6	66.0	29.0	22.9	27.5	26.2	20.8	12.4	13.3
Influenza	3.7	2.7	2.1	1.8	1.8	1.2	.9	.8	1.3	.5	.3
Diabetes mellitus	38.3	34.9	37.0	37.2	16.9	15.4	18.5	15.4	14.1	10.1	9.8
Suicide	23.6	38.8	29.5	30.8	11.6	11.8	12.3	12.8	11.8	11.4	11.8
Chronic liver diseases and cirrhosis	31.4	30.6	28.8	28.2	15.5	13.8	11.2	10.8	14.7	12.2	9.2
Nephritis, nephrotic syndrome, and nephrosis	8.8	16.9	21.3	21.8	4.4	7.4	8.9	9.0	3.5	4.5	4.9
Homicide and legal intervention	16.8	24.3	19.9	21.7	6.3	10.7	8.3	9.0	6.1	10.8	8.0
Septicemia	3.5	9.4	17.2	18.8	1.7	4.2	7.2	7.8	1.4	2.6	4.3
Certain conditions originating in the perinatal period	43.2	22.9	19.2	18.4	21.3	10.1	8.1	7.8	(X)	(X)	(X)
Congenital anomalies	16.8	13.8	12.8	12.8	8.3	6.2	5.4	5.2	(X)	(X)	(X)
Other infective and parasitic diseases	6.9	6.1	6.1	10.0	3.4	2.2	3.4	4.2	2.8	1.8	3.6
Benign neoplasms ⁵	4.8	6.2	6.7	8.7	2.4	2.7	2.8	2.8	2.0	2.0	1.8
Ulcer of stomach and duodenum	6.6	6.1	6.6	6.6	4.2	2.7	2.6	2.7	3.2	1.7	1.4
Hernia of abdominal cavity and intestinal obstruction ⁷	7.2	5.4	6.4	5.4	3.6	2.4	2.2	2.3	2.6	1.4	1.1
Anemias	3.4	3.2	3.7	3.7	1.7	1.4	1.5	1.5	1.3	.9	.8
Cholelithiasis and other disorders of gallbladder	4.0	3.3	3.0	3.0	2.0	1.5	1.2	1.2	1.3	.8	.8
Nutritional deficiencies	2.5	2.4	2.8	2.9	1.2	1.0	1.2	1.2	.8	.5	.5
Infections of kidney	8.2	2.7	2.0	1.9	4.0	1.2	.8	.7	2.8	.7	.4
Tuberculosis	5.2	2.0	1.8	1.8	2.6	.9	.7	.7	2.2	.8	.5
Meningitis	1.7	1.4	1.2	1.2	.8	.8	.8	.8	.8	.6	.4
Viral hepatitis	1.0	.8	.8	1.0	.6	.4	.4	.4	.5	.3	.4
Acute bronchitis and bronchiolitis	1.3	.8	.6	.8	.8	.3	.3	.2	.5	.2	.1
Hyperplasia of prostate	2.2	.8	.6	.6	1.1	.9	.2	.2	.6	.2	.1
Symptoms, signs, and ill-defined conditions	25.8	28.5	31.0	31.4	12.7	12.7	13.0	13.0	10.4	8.8	8.4
All other causes	106.8	120.0	153.0	162.0	53.5	53.0	64.4	67.2	44.0	36.8	41.6

X Not applicable. ¹ Based on resident population enumerated as of Apr. 1 for 1970 and 1980 and estimated as of July 1 for other years. ² With or without renal disease. ³ Includes other types of malignancies not shown separately. ⁴ Prior to 1980, data are shown for bronchitis, emphysema, and asthma. ⁵ Included in "all other causes." Comparable data not available separately. ⁶ Includes neoplasms of unspecified nature; beginning 1980 also includes carcinoma in situ. ⁷ Without mention of hernia.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

NO. 116. DEATHS, BY SELECTED CAUSE AND SELECTED CHARACTERISTICS: 1986

(In thousands. Excludes deaths of nonresidents of the U.S. Deaths classified according to ninth revision of *International Classification of Diseases*. See also Appendix III)

AGE, SEX, AND RACE	Total ¹	Diseases of heart	Malignant neoplasms	Accidents and adverse effects	Cerebrovascular diseases	Chronic obstructive pulmonary diseases ²	Pneumonia, flu	Suicide	Chronic liver disease, cirrhosis	Diabetes mellitus
ALL RACES³										
Both sexes, total ⁴	2,105.4	785.8	488.4	95.3	148.8	78.8	88.8	33.9	28.2	37.2
Under 15 years old	55.2	1.7	1.8	6.1	.2	.2	1.0	.3	(2)	(2)
15-24 years old	39.9	1.1	2.1	20.0	.3	.2	.3	5.1	1	.1
25-34 years old	58.5	3.7	5.8	18.9	1.0	.2	.7	6.7	1.2	.8
35-44 years old	70.4	12.4	15.0	10.3	2.4	.8	1.2	5.0	3.2	1.2
45-54 years old	115.2	33.0	37.8	7.0	4.5	2.2	1.8	3.7	4.6	2.2
55-64 years old	279.0	84.3	98.8	7.7	11.8	10.5	4.1	3.8	7.2	5.8
65-74 years old	485.5	180.8	148.8	6.5	28.4	25.9	10.2	3.4	8.5	10.3
75-84 years old	575.1	239.0	118.8	9.8	52.0	28.7	22.0	2.3	2.9	11.0
85 years old and over	427.5	189.3	44.7	7.0	48.9	10.1	28.7	.8	.8	5.8
Male, total ⁴	1,164.0	380.9	230.8	85.8	88.2	47.1	34.2	24.2	16.8	18.4
Under 15 years old	32.0	.9	1.0	5.2	.1	1	.6	.2	(2)	(2)
15-24 years old	29.8	7	1.3	15.5	.1	1	.2	4.3	(2)	.1
25-34 years old	41.2	2.5	2.9	13.5	.5	1	.5	6.5	.8	.4
35-44 years old	46.9	9.4	8.8	7.9	1.3	.3	.8	3.7	2.3	.7
45-54 years old	72.3	24.5	18.9	5.2	2.4	1.2	1.0	2.7	3.2	1.1
55-64 years old	172.3	85.6	54.8	5.3	6.8	6.2	2.7	2.6	4.7	2.8
65-74 years old	283.0	110.6	83.1	5.1	14.1	16.1	6.2	2.7	4.0	4.6
75-84 years old	282.8	114.3	62.5	4.9	21.9	17.0	11.8	1.9	1.5	4.1
85 years old and over	143.0	62.2	19.3	2.8	13.0	5.9	10.7	.5	.3	1.8
Female, total ⁴	1,001.4	374.8	218.8	28.7	98.5	29.6	25.8	8.7	8.4	21.8
Under 15 years old	23.2	.7	.8	2.9	1	1	.4	.1	(2)	(2)
15-24 years old	10.1	.4	.8	4.5	1	.1	1	.8	(2)	.1
25-34 years old	15.3	1.2	2.7	3.4	.5	.1	.3	1.9	.4	.3
35-44 years old	23.5	3.0	8.3	2.4	1.1	.3	.4	1.3	.9	.5
45-54 years old	42.8	8.5	16.9	1.8	2.2	1.0	.8	1.0	1.4	1.0
55-64 years old	108.7	28.7	44.0	2.4	5.5	4.3	1.5	1.0	2.4	3.0
65-74 years old	202.5	70.1	63.7	3.4	14.3	9.7	3.9	.7	2.5	5.7
75-84 years old	292.3	124.7	54.1	4.7	30.7	9.7	10.4	.4	1.4	6.9
85 years old and over	284.5	137.1	25.4	4.2	35.9	4.2	16.0	1	.3	4.3
WHITE										
Both sexes, total ⁴	1,891.1	681.4	412.4	80.3	130.8	71.1	82.3	28.4	21.8	30.3
Under 15 years old	38.7	1.2	1.5	6.0	1	.1	7	.2	(2)	(2)
15-24 years old	31.8	7	1.8	17.5	.2	1	2	4.6	(2)	.1
25-34 years old	41.5	2.5	4.8	13.9	.8	.2	5	5.9	7	.5
35-44 years old	52.5	9.3	12.1	8.3	1.5	.4	7	4.8	2.2	.9
45-54 years old	90.4	25.2	30.9	5.7	3.2	1.8	1.1	3.5	3.6	1.5
55-64 years old	234.5	79.6	65.1	6.4	8.9	9.4	3.3	3.8	6.2	4.3
65-74 years old	425.8	159.1	130.1	7.4	23.8	24.1	8.8	3.2	5.9	8.3
75-84 years old	519.3	216.9	105.4	8.8	46.3	25.4	20.1	2.2	2.7	9.4
85 years old and over	395.8	185.8	40.8	6.4	45.5	9.6	26.9	.8	.8	5.2
BLACK										
Both sexes, total ⁴	258.3	77.7	52.8	12.8	18.0	4.8	6.7	1.9	3.7	6.9
Under 15 years old	14.8	.5	.3	1.8	1	1	.3	(2)	(2)	(2)
15-24 years old	7.1	.3	.3	1.8	1	.1	1	.4	(2)	(2)
25-34 years old	13.7	1.2	.9	2.5	.3	1	.3	.5	.4	.1
35-44 years old	16.3	2.9	2.5	1.7	.8	1	.5	.3	.9	.3
45-54 years old	22.8	6.3	8.2	1.1	1.4	.4	.5	.2	.9	.8
55-64 years old	41.2	13.8	12.8	1.2	2.6	1.0	.8	1	.9	1.3
65-74 years old	55.1	20.1	15.4	1.0	4.4	1.8	1.2	1	.5	1.8
75-84 years old	50.8	20.2	10.3	.9	5.2	1.1	1.7	1	.2	1.5
85 years old and over	29.5	12.5	3.8	.5	3.1	.4	1.4	(2)	(2)	.7

2 Fewer than 50.
not shown separately.1 Includes other causes, not shown separately.
4 Includes those deaths with age not stated.

3 Includes allied conditions.

2 Includes other races.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual.

NO. 119. DEATH RATES BY SELECTED CAUSES AND SELECTED CHARACTERISTICS: 1960 TO 1966

(Deaths per 100,000 population in specified group. Beginning 1970, excludes deaths of nonresidents of U.S. See heading, table 117)

YEAR AND CHARACTERISTIC	Total ¹	Diseases of heart	Malignant neoplasms	Accidents and adverse effects	Cerebro-vascular diseases	Chronic obstructive pulmonary diseases ²	Pneumonia, flu	Suicide	Diabetes mellitus	Chronic liver diseases, cirrhosis
ALL RACES³										
Both sexes:										
1960, age-adjusted	760.9	266.2	125.9	49.9	79.7	(*)	26.0	10.9	12.6	10.5
1970, age-adjusted	714.9	253.9	129.9	53.7	69.3	(*)	22.1	11.6	14.1	14.7
1980, age-adjusted	565.8	202.0	132.6	42.9	40.6	15.9	12.9	11.4	10.1	12.2
1985, age-adjusted	546.1	190.5	133.6	34.7	32.9	15.7	13.4	11.5	9.6	9.6
1986, age-adjusted ⁴	541.7	175.0	133.2	36.2	31.0	15.9	13.5	11.9	9.6	9.2
15-24 years old	102.3	2.9	5.4	51.2	.7	.5	.7	13.1	.4	.2
25-34 years old	132.1	6.6	13.1	39.5	2.2	.8	1.7	15.7	1.5	2.5
35-44 years old	212.9	37.5	45.9	31.1	7.1	1.6	3.6	15.2	3.6	3.9
45-54 years old	504.8	144.8	166.7	30.7	20.4	9.8	7.0	16.4	6.5	20.9
55-64 years old	1,255.1	424.2	444.4	34.9	53.0	47.2	16.6	17.0	25.0	32.2
65-74 years old	2,801.4	1,043.0	847.0	49.0	164.1	149.2	59.6	19.7	59.2	37.2
75-84 years old	6,348.2	2,637.5	1,267.3	109.3	573.6	294.9	242.8	25.2	121.3	31.5
85 years old and over	15,398.9	7,178.7	1,612.0	252.2	1,762.6	362.9	1,032.1	20.6	213.9	20.6
Male:										
1960, age-adjusted	849.3	375.5	143.0	73.9	95.4	(*)	35.0	16.6	12.0	14.5
1970, age-adjusted	831.8	348.5	157.4	80.7	73.2	(*)	28.6	17.3	13.5	20.2
1980, age-adjusted	777.2	280.4	165.5	64.0	44.9	26.1	17.4	16.0	10.2	17.1
1985, age-adjusted	718.8	247.7	164.5	51.8	35.2	27.9	16.2	16.6	9.9	13.6
1986, age-adjusted ⁴	709.1	236.2	163.6	52.5	33.5	27.6	16.4	19.3	9.9	13.0
15-24 years old	151.4	3.5	6.6	79.5	.7	.8	.5	21.7	.4	.2
25-34 years old	192.7	11.8	13.4	63.2	2.9	.8	2.1	26.5	1.7	3.7
35-44 years old	288.1	55.0	40.8	49.7	7.7	1.8	4.8	23.0	4.2	14.0
45-54 years old	653.1	221.4	171.0	47.2	21.7	11.0	9.2	24.4	10.2	28.9
55-64 years old	1,848.2	627.1	524.2	51.1	69.9	59.3	25.5	26.7	25.6	45.2
65-74 years old	3,701.4	1,446.7	1,069.9	66.6	165.0	211.0	61.7	36.5	59.7	51.9
75-84 years old	8,353.0	3,375.8	1,845.6	144.9	629.2	501.9	342.2	34.8	121.9	44.2
85 years old and over	16,167.4	7,811.5	2,458.5	354.5	1,866.4	745.3	1,360.9	61.6	208.7	33.6
Female:										
1960, age-adjusted	660.6	205.7	111.2	26.8	74.7	(*)	21.8	6.0	15.0	6.9
1970, age-adjusted	632.5	175.2	108.0	29.2	69.9	(*)	16.7	5.8	14.4	9.8
1980, age-adjusted	432.8	140.3	108.2	21.8	37.8	8.9	9.8	5.4	10.0	7.9
1985, age-adjusted	409.4	127.3	111.4	19.8	30.0	12.5	10.1	4.9	9.4	6.1
1986, age-adjusted ⁴	405.6	124.6	111.4	18.7	28.0	12.5	10.3	5.1	9.3	5.9
15-24 years old	52.3	2.1	4.2	23.3	.9	.4	.6	4.4	.4	.1
25-34 years old	71.6	5.5	12.6	15.9	2.2	.8	1.2	5.9	1.3	1.6
35-44 years old	136.8	17.7	48.7	14.1	6.5	1.5	2.5	7.6	2.9	5.4
45-54 years old	354.8	72.1	100.7	15.1	19.1	8.7	5.0	8.8	8.7	12.2
55-64 years old	906.1	244.1	373.5	30.2	48.9	38.4	12.6	6.4	25.5	20.7
65-74 years old	2,090.5	724.2	657.9	35.2	147.8	100.5	40.3	7.2	58.9	25.6
75-84 years old	5,151.9	2,166.9	954.2	63.3	540.7	171.2	169.4	7.5	122.0	23.9
85 years old and over	14,297.5	6,899.3	1,277.2	211.9	1,804.6	211.9	902.9	4.7	218.0	15.9
WHITE										
Both sexes:										
1960, age-adjusted	727.0	281.5	124.2	47.8	74.2	(*)	24.5	11.1	12.8	10.9
1970, age-adjusted	678.8	246.1	127.8	51.0	61.8	(*)	19.6	12.4	12.9	13.4
1980, age-adjusted	559.4	197.9	128.0	41.5	38.0	16.3	12.2	12.1	9.1	11.0
1985, age-adjusted	523.1	176.1	130.7	34.1	30.1	19.2	12.5	12.3	8.6	8.9
1986, age-adjusted	518.0	170.4	130.4	34.5	28.8	19.2	12.9	12.7	8.5	8.6
Male:										
1960, age-adjusted	817.7	375.4	141.6	70.8	90.9	(*)	31.0	17.5	11.6	14.4
1970, age-adjusted	803.4	347.8	154.9	76.2	69.3	(*)	26.0	18.2	12.7	16.8
1980, age-adjusted	745.3	277.5	160.5	62.3	41.9	26.7	16.2	16.9	9.5	15.7
1985, age-adjusted	668.7	244.5	159.2	50.4	32.6	26.5	17.4	16.9	9.2	12.6
1986, age-adjusted	679.9	234.9	158.9	51.1	31.1	28.1	17.5	20.5	9.1	12.2
Female:										
1960, age-adjusted	555.0	197.1	109.5	25.4	68.7	(*)	19.0	5.3	13.7	6.6
1970, age-adjusted	501.7	167.8	107.6	27.2	56.2	(*)	15.0	7.2	12.6	8.7
1980, age-adjusted	411.1	134.6	107.7	21.4	35.2	9.2	9.4	5.7	8.7	7.0
1985, age-adjusted	390.6	121.7	110.3	18.4	27.9	12.9	9.6	5.3	8.1	5.6
1986, age-adjusted	387.7	119.0	110.1	18.4	27.1	13.3	9.9	5.4	8.1	5.4
BLACK										
Both sexes:										
1960, age-adjusted	1,073.3	334.5	142.3	69.4	140.2	(*)	55.4	4.7	22.0	11.7
1970, age-adjusted	1,044.0	307.8	156.7	74.4	114.5	(*)	40.4	6.1	26.5	24.8
1980, age-adjusted	842.5	255.7	172.1	51.2	69.5	12.5	19.2	6.4	20.3	21.6
1985, age-adjusted	779.9	236.2	173.0	41.8	55.0	15.0	18.5	6.4	19.7	16.1
1986, age-adjusted	761.0	232.6	172.0	42.1	52.8	15.4	19.0	5.6	20.0	14.5
Male:										
1960, age-adjusted	1,246.1	381.2	158.5	100.0	141.2	(*)	70.2	7.8	16.2	14.8
1970, age-adjusted	1,318.6	375.9	198.0	119.5	122.5	(*)	53.6	9.9	21.2	33.1
1980, age-adjusted	1,112.8	327.3	229.9	62.0	77.5	20.6	28.0	11.1	17.7	30.6
1985, age-adjusted	1,024.0	301.0	231.6	66.7	60.9	23.9	26.6	11.3	17.7	23.4
1986, age-adjusted	1,026.9	294.3	229.0	66.9	58.9	24.5	27.2	11.5	17.9	20.6
Female:										
1960, age-adjusted	916.9	282.6	127.8	35.9	138.5	(*)	43.9	1.9	27.3	8.9
1970, age-adjusted	914.4	251.7	129.5	35.2	107.9	(*)	29.2	2.9	30.9	17.8
1980, age-adjusted	831.1	201.1	139.7	25.1	81.7	6.3	12.7	2.4	22.1	14.4
1985, age-adjusted	809.1	186.8	130.4	20.7	60.3	6.7	12.4	2.1	21.1	10.1
1986, age-adjusted	806.2	185.1	132.1	21.0	47.8	6.9	13.1	2.4	21.4	9.9

¹ Includes other causes, not shown separately.² Includes allied conditions.³ Includes other races, not shown separately.⁴ Data not available on a comparable basis with later years.⁵ Includes persons under 15 years old, not shown separately.Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual.

NO. 129. DEATH RATES, BY CAUSE—STATES: 1966

(Deaths per 100,000 resident population estimated as of July 1. By place of residence. Excludes nonresidents of U.S. Causes of death classified according to ninth revision of International Classification of Diseases. For composition of regions, see fig. 1, inside front cover)

REGION, DIVISION, AND STATE	Total ¹	Diseases of heart	Malignant neoplasms	Cerebro- vascular diseases	Acci- dents and ad- verse ef- fects	Chronic obstruc- tive pulmo- nary diseases ²	Pneu- monia, flu	Diabetes melli- tus	Sui- cide	Chronic liver dis- ease and cirrho- sis	Ath- ero- scler- osis	Homi- cide and legal inter- vention
U.S.	872.2	317.5	194.7	82.1	36.8	31.8	29.8	15.4	12.8	18.9	8.4	9.9
Region												
Northeast	874.5	377.3	223.1	80.5	32.2	32.0	34.0	18.3	9.9	12.9	9.3	8.9
Midwest	903.9	341.7	199.8	88.5	36.0	32.8	31.3	16.4	12.2	8.4	11.3	7.0
South	870.5	307.9	180.7	65.2	45.2	30.2	25.7	15.0	13.6	8.7	8.8	11.4
West	736.7	243.2	165.9	62.6	41.8	33.2	26.4	12.0	15.8	12.6	8.7	9.8
Div.												
N.E.	827.7	346.4	229.1	83.0	32.0	38.9	38.9	16.6	10.1	11.4	10.4	3.7
ME	958.8	358.4	225.7	85.5	34.9	44.5	36.6	15.5	11.1	10.0	15.6	1.8
NH	836.6	302.9	200.3	57.2	31.7	32.3	27.4	16.4	13.0	9.9	11.7	2.2
VT	879.9	322.0	197.0	59.1	39.8	36.8	39.6	14.0	14.0	10.2	8.7	3.0
MA	966.5	355.2	224.2	84.5	31.4	33.0	42.8	16.8	9.2	12.9	9.9	3.8
RI	996.7	391.1	239.1	84.3	31.8	36.6	27.6	17.3	10.2	11.2	10.2	4.3
CT	879.9	325.3	214.5	57.8	31.1	27.2	32.0	16.2	9.6	10.1	9.1	4.7
S.E.	890.5	398.2	224.2	88.2	32.2	31.7	33.1	18.9	8.1	13.4	8.9	8.9
D.C.	975.2	388.2	218.0	68.4	31.0	30.3	36.7	17.3	7.6	15.2	8.8	10.7
MD	939.7	361.6	224.2	68.1	29.8	28.3	28.6	16.1	7.6	13.7	8.4	5.3
PA	1,045.8	405.2	230.5	67.1	35.7	35.9	30.6	21.1	12.2	10.4	9.5	5.8
M.C.	898.3	345.5	208.5	63.9	34.1	32.1	33.5	16.6	11.7	10.2	10.8	7.9
OH	827.8	358.8	211.7	64.1	32.0	35.0	28.0	19.0	11.6	9.4	10.5	5.2
IN	897.1	332.7	202.5	71.2	37.2	35.9	29.8	17.8	11.7	7.8	11.4	5.5
IL	894.9	347.2	199.3	61.4	34.3	29.6	31.9	14.9	11.0	11.5	8.5	9.9
MI	877.9	342.5	189.6	69.4	35.1	31.5	27.5	16.4	12.3	12.3	13.3	12.2
WI	890.5	336.3	196.7	69.4	32.7	26.5	33.6	14.8	12.5	7.8	11.6	3.6
W.C.	817.4	332.7	196.3	72.7	40.5	33.7	36.7	16.7	13.6	7.4	12.9	6.9
MT	832.7	298.0	182.1	73.7	34.8	27.5	35.6	14.8	12.8	7.2	11.5	2.8
IA	849.7	352.9	205.8	78.2	36.8	36.8	36.2	15.6	12.9	8.6	17.9	2.2
MO	900.9	358.6	213.7	71.3	48.7	37.4	34.2	17.0	14.2	7.9	9.7	9.8
ND	778.9	278.5	177.3	68.6	33.9	27.7	32.4	13.0	10.9	6.9	14.4	1.3
SD	826.2	363.4	203.2	75.6	43.1	31.4	38.4	14.8	14.3	8.9	10.7	4.2
NE	818.5	333.7	198.9	73.7	40.2	31.7	36.9	17.9	14.3	7.3	15.3	3.2
KS	808.8	328.8	190.8	69.5	43.2	36.7	35.6	15.0	13.6	7.2	12.4	5.0
S.A.	908.3	333.1	206.1	67.7	43.9	32.5	38.2	16.7	13.7	11.2	8.5	10.6
DE	889.8	325.8	210.7	43.1	39.5	29.4	25.1	25.0	13.9	13.7	8.5	5.7
MD	837.4	295.0	202.0	51.8	33.9	26.9	23.8	15.6	12.2	6.8	8.0	9.5
DC	1,185.4	346.0	288.8	65.6	29.4	23.4	38.2	22.9	12.0	32.5	8.2	28.2
VA	802.7	276.0	188.9	61.3	39.3	28.1	27.6	12.1	14.1	8.6	9.1	7.8
WV	1,038.4	403.8	224.8	70.9	45.1	45.4	33.8	20.9	14.2	10.7	10.0	6.2
NC	882.6	306.2	183.1	70.9	50.2	29.8	28.4	14.9	12.2	10.0	8.9	9.3
SC	832.3	292.8	171.0	72.4	55.2	25.9	24.7	16.1	11.4	9.2	7.4	9.6
GA	809.0	275.1	168.6	68.3	46.7	28.2	24.8	14.0	13.0	9.3	6.2	12.8
FL	1,056.1	385.3	240.4	74.3	42.8	41.5	24.5	16.8	16.0	14.4	10.3	12.4
E.S.C.	829.9	332.9	196.7	73.3	61.4	34.5	38.5	15.8	12.8	8.4	9.3	10.4
KY	834.5	343.8	202.6	70.8	45.9	41.5	33.3	16.6	14.2	8.2	9.5	7.1
TN	821.9	303.6	197.7	74.9	50.7	34.6	30.2	13.9	12.9	7.9	8.5	10.8
AL	831.3	319.7	201.9	73.9	54.2	33.2	23.7	17.8	12.4	8.8	11.3	11.4
MS	831.0	337.3	190.0	72.9	56.3	26.4	26.1	15.3	11.1	9.1	7.4	13.1
W.S.C.	778.1	271.9	184.3	67.6	43.7	34.2	31.4	13.6	13.9	8.1	6.9	13.9
AR	1,010.8	383.5	214.1	83.9	52.1	32.4	33.0	14.2	13.5	8.3	8.8	9.7
LA	808.5	283.2	178.1	57.3	44.8	22.5	20.5	16.4	14.2	6.4	9.7	13.8
OK	805.8	331.4	193.2	74.4	44.3	31.5	32.2	15.2	14.6	8.5	11.8	9.1
TX	711.5	238.8	147.5	48.6	42.1	22.0	21.0	11.7	13.6	8.2	7.1	14.1
W.	884.8	219.2	148.3	43.7	46.8	36.1	34.4	12.8	16.7	16.3	7.9	8.1
MT	828.7	288.4	178.1	60.5	60.3	42.5	28.5	13.3	21.7	9.4	10.8	5.0
ID	737.3	236.1	158.8	58.3	52.7	37.2	20.9	12.5	17.7	6.6	8.1	3.7
WY	834.7	195.3	127.2	39.1	51.7	34.8	23.7	11.8	18.1	7.5	6.5	5.5
CO	837.2	197.7	133.4	40.1	36.4	34.9	28.4	10.6	17.6	9.5	10.7	7.3
NM	883.8	193.4	140.7	38.3	55.8	34.8	22.3	16.3	18.4	14.8	8.4	13.8
AZ	779.8	248.2	177.7	43.9	50.2	42.6	25.7	14.2	19.3	11.4	8.1	10.1
UT	637.2	177.8	89.4	39.1	36.3	21.8	21.4	13.3	14.7	5.3	4.6	3.3
NV	796.3	254.4	163.7	43.3	40.3	38.1	20.0	9.2	24.1	17.6	4.0	12.1
Pac.	781.9	251.9	172.9	68.1	48.2	32.1	27.2	11.8	14.6	13.4	8.9	10.2
WA	787.5	280.3	177.2	57.4	37.0	37.8	24.6	14.7	18.3	9.3	10.2	5.2
OR	805.3	290.7	184.7	70.8	45.7	39.8	27.7	12.3	16.7	11.0	14.8	6.5
CA	752.9	252.6	172.1	55.9	40.2	31.4	29.1	11.2	14.7	14.7	8.5	11.6
AK	388.9	89.1	83.1	15.0	66.0	11.7	6.2	5.3	14.6	6.0	1.8	6.3
HI	551.5	179.1	132.2	37.9	25.6	17.0	21.4	15.5	10.0	6.3	2.0	6.2

¹Includes other causes not shown separately.

²Includes allied conditions.

Source: U.S. National Center for Health Statistics, *Monthly Vital Statistics Report*, vol. 37, No. 6, supplement and unpublished data.

No. 121. DEATH RATES FROM CANCER, BY SEX, AGE, AND SELECTED TYPE: 1960 TO 1966

(Deaths per 100,000 population in the specified age groups. See heading, table 122)

AGE AT DEATH AND SELECTED TYPE OF CANCER	MALE					FEMALE				
	1960	1970	1980	1985	1986	1960	1970	1980	1985	1986
Total U.S. rate ¹ ...	162.5	182.1	206.3	212.8	213.9	136.4	144.4	163.8	176.1	178.9
25-34 years	18.5	16.3	13.4	13.0	13.4	20.1	18.7	14.0	13.1	12.6
35-44 years	46.9	53.0	44.0	42.3	40.8	70.0	65.6	53.1	49.1	49.7
45-54 years	170.8	183.5	188.7	174.5	171.0	183.0	181.5	171.8	164.0	160.7
55-64 years	459.9	511.8	520.8	531.1	524.2	337.7	343.2	361.7	379.1	373.6
65 years old and over	1,066.2	1,221.2	1,371.6	1,389.8	1,395.6	709.1	708.3	767.8	813.8	825.6
65-74 years	890.5	1,006.8	1,093.2	1,085.6	1,086.9	560.2	557.9	607.1	644.6	657.8
75-84 years	1,389.4	1,588.3	1,790.5	1,840.2	1,845.6	924.1	891.9	903.1	948.3	964.2
85 years old and over	1,741.2	1,720.6	2,369.5	2,413.7	2,459.5	1,263.9	1,096.7	1,256.7	1,262.9	1,277.2
Persons, 35-44 years old:										
Respiratory, intrathoracic	11.4	17.0	12.6	10.6	9.8	3.4	5.5	6.6	5.6	6.0
Digestive organs, peritoneum	12.5	11.4	9.5	9.0	9.0	10.8	8.6	6.6	5.8	5.6
Breast	1	1	-	1	1	20.2	20.4	17.9	17.5	18.3
Genital organs	1.6	1.4	7	7	6	19.4	13.6	8.3	7.1	7.2
Lymphatic and hematopoietic tissues, excl. leukemia	5.9	6.6	4.3	4.6	4.7	3.7	3.2	2.4	2.9	2.2
Urinary organs	2.0	1.9	1.4	1.6	1.3	.8	1.0	.8	.9	.7
Lip, oral cavity, and pharynx	1.5	1.7	1.8	1.4	1.4	7	7	6	6	.4
Leukemia	3.7	3.4	3.2	3.0	2.6	2.7	2.6	2.6	2.1	2.2
Persons, 45-54 years old:										
Respiratory, intrathoracic	54.7	72.1	79.8	70.7	69.4	10.1	22.2	34.8	35.9	36.1
Digestive organs, peritoneum	53.2	46.9	44.3	41.7	40.1	36.9	32.6	27.8	25.7	25.4
Breast	2	4	2	3	2	51.4	52.6	48.1	46.7	46.4
Genital organs	4.0	3.4	3.4	3.1	2.9	44.8	34.4	34.1	20.4	20.1
Lymphatic and hematopoietic tissues, excl. leukemia	11.6	12.8	10.2	10.0	10.3	7.1	8.3	6.6	6.4	6.4
Urinary organs	8.3	8.0	7.4	7.6	7.3	3.6	3.6	3.3	3.0	3.1
Lip, oral cavity, and pharynx	7.9	7.9	6.2	6.6	6.6	2.8	2.6	2.6	2.0	2.1
Leukemia	7.2	6.6	6.2	5.7	5.6	5.3	4.9	4.4	4.3	4.2
Persons, 55-64 years old:										
Respiratory, intrathoracic	150.2	202.3	223.8	231.1	229.2	17.0	36.9	74.5	93.9	94.4
Digestive organs, peritoneum	153.7	139.0	129.3	129.3	126.6	102.2	86.0	79.1	74.7	72.7
Breast	1.0	6	7	6	5	70.8	77.6	80.5	83.6	80.9
Genital organs	23.5	22.8	23.5	24.3	25.2	73.0	58.2	46.8	42.8	42.4
Lymphatic and hematopoietic tissues, excl. leukemia	23.1	27.1	24.4	25.0	23.9	15.7	17.7	16.8	17.6	16.6
Urinary organs	25.9	26.4	22.9	22.2	21.8	9.3	9.4	8.9	8.5	9.2
Lip, oral cavity, and pharynx	16.3	20.1	17.9	15.8	15.6	3.8	6.2	6.0	5.4	5.6
Leukemia	16.1	15.4	14.7	14.6	14.1	10.6	9.0	9.3	9.2	9.0
Persons, 65-74 years old:										
Respiratory, intrathoracic	221.7	340.7	422.0	424.8	423.2	26.2	46.6	106.1	145.1	152.0
Digestive organs, peritoneum	334.9	293.3	284.1	272.7	268.6	218.0	186.8	173.6	162.7	162.5
Breast	1.2	1.4	1.1	1.0	1.1	90.0	93.8	101.1	107.7	109.9
Genital organs	102.1	103.7	107.6	106.3	112.5	97.9	86.6	73.6	71.2	71.9
Lymphatic and hematopoietic tissues, excl. leukemia	37.9	50.3	48.1	52.2	55.4	24.5	34.6	34.4	36.6	38.3
Urinary organs	57.2	60.3	58.9	51.1	49.7	21.8	20.1	19.7	19.7	19.0
Lip, oral cavity, and pharynx	26.5	28.6	26.4	23.7	22.2	6.2	6.7	6.8	6.6	6.6
Leukemia	34.0	36.3	36.3	34.0	34.0	20.2	19.3	16.7	18.2	18.2
Persons, 75-84 years old:										
Respiratory, intrathoracic	188.5	354.2	511.5	559.0	567.9	36.5	66.5	98.0	137.2	146.3
Digestive organs, peritoneum	559.5	507.6	496.6	476.2	466.3	422.9	363.3	326.3	312.2	303.1
Breast	1.7	2.7	2.1	2.3	1.8	129.9	127.4	126.4	137.7	138.2
Genital organs	285.9	299.4	316.4	321.4	324.4	119.1	104.9	95.7	92.8	91.0
Lymphatic and hematopoietic tissues, excl. leukemia	43.9	74.0	60.0	62.6	63.9	31.4	49.4	57.6	64.2	67.2
Urinary organs	96.6	112.2	112.4	106.2	106.6	45.5	44.0	37.4	36.8	39.1
Lip, oral cavity, and pharynx	40.5	36.6	31.4	27.6	26.4	11.8	10.8	10.9	10.0	10.4
Leukemia	66.5	66.3	71.6	70.1	71.6	36.6	39.6	36.6	36.5	37.6
Persons, 85 years old and over:										
Respiratory, intrathoracic	132.2	216.3	366.3	450.2	472.9	46.2	58.5	96.3	102.7	113.0
Digestive organs, peritoneum	676.6	563.7	706.8	666.6	666.0	601.4	496.0	504.3	490.4	482.1
Breast	2.5	2.9	2.6	3.6	3.1	191.9	157.1	169.3	176.9	180.0
Genital organs	466.2	434.2	612.3	606.0	637.5	131.4	107.3	115.9	104.6	108.4
Lymphatic and hematopoietic tissues, excl. leukemia	40.9	58.1	83.2	113.1	110.6	25.2	41.7	63.0	72.6	77.1
Urinary organs	120.4	140.5	177.0	162.7	174.6	66.3	59.9	63.6	62.3	62.0
Lip, oral cavity, and pharynx	60.7	47.0	40.2	32.2	37.0	18.2	19.2	16.0	15.6	17.2
Leukemia	64.9	63.3	117.1	113.1	109.3	36.6	50.9	61.1	63.0	61.3

- Represents or rounds to zero. ¹Includes persons under 25 years of age and malignant neoplasms of other and unspecified sites, not shown separately.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

NO. 122. DEATH RATES FROM HEART DISEASE, BY SEX, AGE, AND SELECTED TYPE: 1960 TO 1986

[Deaths per 100,000 population in specified age groups. Beginning 1970, excludes deaths of nonresidents of the United States. Beginning 1979, deaths classified according to the ninth revision of the *International Classification of Diseases*. For earlier years, classified according to the revision in use at the time; see text, section 2. See Appendix B.]

AGE AT DEATH AND SELECTED TYPE OF HEART DISEASE	MALE					FEMALE				
	1960	1970	1980	1980	1986	1960	1970	1980	1980	1986
Total U.S. rate ¹	439.5	422.5	398.8	342.8	395.1	398.5	394.3	395.1	394.3	398.7
25-34 years	30.1	15.2	11.4	11.5	11.8	11.3	7.7	5.3	5.0	5.5
35-44 years	112.7	103.2	88.7	58.4	58.0	38.2	32.2	21.4	18.3	17.7
45-54 years	420.4	378.4	282.6	238.9	221.4	127.5	108.8	84.5	73.8	72.1
55-64 years	1,085.9	897.2	748.8	651.9	627.1	428.4	351.8	272.1	233.3	244.1
65 years old and over	3,314.7	3,258.0	2,778.8	2,519.3	2,429.3	2,415.6	2,288.2	2,027.5	1,938.0	1,913.0
65-74 years	2,291.3	2,170.3	1,728.0	1,508.4	1,446.7	1,291.3	1,082.7	888.8	745.3	724.2
75-84 years	4,742.4	4,534.8	3,834.3	3,488.0	3,375.8	3,582.7	3,129.8	2,487.0	2,245.2	2,188.8
85 years old and over	8,788.9	8,436.2	8,752.7	8,123.7	7,911.5	9,016.8	7,991.8	7,390.5	6,935.7	6,888.3
Persons 45-54 years old:										
Ischemic heart	347.1	338.0	217.3	188.8	154.9	72.4	64.0	52.2	43.3	48.2
Rheumatic heart	18.8	11.4	3.1	1.9	1.8	18.5	10.8	4.3	2.7	2.8
Hypertensive heart ²	23.9	4.8	8.3	8.4	7.9	21.5	4.0	5.4	4.8	4.8
Persons 55-64 years old:										
Ischemic heart	885.2	804.6	591.1	474.6	445.0	295.6	239.1	188.0	163.3	158.3
Rheumatic heart	29.0	21.5	6.2	4.2	4.2	28.4	20.8	9.2	8.3	5.8
Hypertensive heart ²	71.2	11.7	21.8	19.6	18.8	63.8	8.1	13.3	12.2	11.4
Persons 65-74 years old:										
Ischemic heart	1,883.2	2,010.0	1,355.5	1,110.8	1,040.4	814.8	678.0	605.3	514.1	491.0
Rheumatic heart	31.0	31.8	11.8	8.6	7.9	31.2	30.2	18.9	13.3	12.9
Hypertensive heart ²	174.3	30.8	44.3	38.2	36.6	175.4	24.8	38.2	29.0	27.7
Persons 75-84 years old:										
Ischemic heart	3,836.6	4,222.7	2,953.7	2,544.9	2,402.2	2,502.5	2,886.3	1,842.7	1,547.5	1,488.6
Rheumatic heart	35.2	34.8	18.7	14.7	14.1	37.9	34.3	25.4	24.1	23.8
Hypertensive heart ²	401.2	80.8	80.7	79.5	72.6	488.3	63.8	101.1	80.4	78.8
Persons 85 years old and over:										
Ischemic heart	6,830.8	7,781.5	6,501.8	5,658.9	5,378.7	6,009.4	6,861.5	5,280.8	4,842.8	4,500.5
Rheumatic heart	48.1	34.7	18.5	17.7	16.7	58.0	39.2	25.8	27.2	28.5
Hypertensive heart ²	858.2	182.0	180.3	150.7	134.8	1,084.8	223.5	250.8	213.9	210.6

¹ Includes persons under 25 years old, not shown separately.

² With or without renal disease.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

NO. 123. DEATH RATES FROM ACCIDENTS AND VIOLENCE: 1970 TO 1986

[Rates are per 100,000 population. Excludes deaths of nonresidents of the U.S. Beginning 1979, deaths classified according to the ninth revision of the *International Classification of Diseases*. For earlier years, classified according to the revision in use at the time; see text, section 2. See Appendix B.]

CAUSE OF DEATH AND AGE	WHITE						BLACK					
	Male			Female			Male			Female		
	1970	1980	1986	1970	1980	1986	1970	1980	1986	1970	1980	1986
Total ¹	101.8	97.1	85.8	42.4	38.8	35.2	183.2	164.0	131.1	51.7	42.8	37.4
Motor vehicle accidents	39.1	35.9	29.2	14.8	12.8	11.5	44.3	31.1	26.6	13.4	8.3	8.5
All other accidents	30.2	30.4	25.7	18.3	14.4	12.8	63.3	48.0	36.4	22.5	18.8	14.5
Suicide	18.0	18.9	22.3	7.1	5.9	5.8	6.0	10.3	11.1	2.6	2.2	2.3
Homicide	6.8	10.9	8.6	2.1	3.2	3.0	67.6	68.6	55.0	13.3	13.5	12.1
15-24 years old	130.7	136.6	118.8	34.9	37.3	34.3	234.3	147.6	147.6	45.5	35.0	31.8
25-34 years old	98.6	118.4	102.5	23.8	29.0	25.9	384.4	207.8	178.9	78.0	49.4	44.8
35-44 years old	85.7	94.1	80.8	25.8	29.2	25.2	345.2	218.1	179.9	77.2	43.2	35.7
45-54 years old	87.5	90.8	78.6	30.4	31.8	28.9	303.3	207.3	148.9	65.5	40.2	30.8
55-64 years old	101.5	92.3	82.1	36.3	33.8	29.9	242.4	188.5	133.8	58.0	47.3	41.4
65 years old and over	218.9	183.9	155.4	122.4	87.2	81.7	220.0	215.8	187.1	107.9	102.9	81.2
65-74 years old	128.0	118.7	105.7	57.7	48.4	44.4	217.4	182.2	146.1	81.5	68.7	54.8
75-84 years old	229.3	209.2	204.3	149.0	101.6	94.4	236.0	261.4	240.8	140.1	137.5	95.9
85 years old and over	486.7	438.5	428.8	301.4	288.1	222.9	271.8	379.2	384.2	214.3	235.7	193.8

¹ Includes persons under 15 years old, not shown separately.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual.

NO. 124. DEATHS AND DEATH RATES FROM ACCIDENTS, BY TYPE: 1970 TO 1986

[See headnote, table 123; and Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series S 163-166]

TYPE OF ACCIDENT	DEATHS					RATE				
	1970	1980	1984	1985	1986	1970	1980	1984	1985	1986
Accidents and adverse effects	114,899	105,716	92,911	93,467	95,277	59.4	46.7	38.3	39.1	39.5
Motor-vehicle accidents	54,833	53,172	45,263	45,901	47,865	28.9	23.5	19.6	19.2	19.9
Traffic	53,493	51,930	45,208	44,822	46,867	28.3	22.9	19.1	18.9	19.4
Nontraffic	1,140	1,242	1,055	1,079	998	.5	.5	.4	.5	.4
Water-transport accidents	1,851	1,429	1,131	1,111	1,102	.9	.8	.5	.5	.5
Air and space transport accidents	1,812	1,494	1,234	1,428	1,148	.9	.7	.6	.6	.5
Railway accidents	652	632	570	551	558	.4	.3	.2	.2	.2
Accidental falls	18,826	13,294	11,937	12,001	11,444	8.3	5.9	5.0	5.0	4.7
Fell from one level to another	4,798	3,749	3,269	3,965	3,234	2.4	1.7	1.4	1.4	1.3
Fell on the same level	828	416	436	411	394	.4	.2	.2	.2	.2
Fracture, cause unspecified, and other and unspecified falls	11,300	8,136	6,232	8,225	7,816	5.6	4.0	3.5	3.4	3.2
Accidental drowning	6,391	6,043	4,444	4,407	4,777	3.1	2.7	1.9	1.9	2.0
Accidents caused by—										
Fire and flames	5,718	5,822	5,010	4,998	4,935	3.3	2.6	2.1	2.1	2.0
Firearms	2,408	1,955	1,886	1,849	1,452	1.2	.9	.7	.7	.6
Electric current	1,140	1,086	886	902	854	.6	.5	.4	.3	.4
Accidental poisoning by—										
Drugs and medicines	2,805	2,492	3,268	3,812	4,187	1.2	1.1	1.4	1.6	1.7
Other solid and liquid substances	1,174	597	542	479	544	.6	.3	.2	.2	.2
Gases and vapors	1,620	1,242	1,109	1,079	1,009	.8	.5	.5	.5	.4
Complications due to medical procedures	3,581	2,437	2,829	2,852	3,099	1.8	1.1	1.1	1.2	1.3
Inhalation and ingestion of objects	2,753	3,249	3,541	3,551	3,892	1.4	1.4	1.6	1.6	1.6
All other accidents	10,676	10,785	8,696	9,096	8,743	5.2	4.7	3.7	3.6	3.6

NO. 125. SUICIDE RATES, BY SEX, RACE, AND AGE GROUP: 1970 TO 1986

[See headnote, table 123]

AGE	TOTAL ¹			MALE						FEMALE					
	1970	1980	1986	White			Black			White			Black		
				1970	1980	1986	1970	1980	1986	1970	1980	1986	1970	1980	1986
All ages ²	11.6	11.6	12.8	10.9	10.9	22.3	9.0	10.3	11.1	7.1	6.9	6.9	2.6	2.2	2.3
10-14 years old .....	.6	.8	1.5	1.1	1.4	2.4	.3	.5	1.6	.3	.3	.7	.4	.1	.4
15-19 years old	5.9	6.5	10.2	9.4	15.0	16.2	4.7	5.8	7.1	2.9	3.9	4.1	2.9	1.9	2.1
20-24 years old	12.2	16.1	15.8	19.3	27.8	26.4	19.7	20.0	16.0	6.7	5.9	5.3	4.9	3.1	2.4
25-34 years old	14.1	16.0	15.7	19.9	25.6	26.4	19.2	21.8	21.3	9.0	7.5	6.2	6.7	4.1	3.6
35-44 years old	18.9	15.4	15.2	23.3	23.5	23.9	12.8	15.6	17.5	13.0	8.1	8.3	3.7	4.8	2.8
45-54 years old	20.0	15.9	16.4	29.5	24.2	26.3	13.8	12.0	12.6	13.5	10.2	9.6	3.7	2.8	3.2
55-64 years old	21.4	15.9	17.0	35.0	25.6	28.7	10.6	11.7	9.9	12.3	9.1	9.0	2.0	2.3	4.2
65 years and over	20.8	17.8	21.5	41.1	37.5	45.8	8.7	11.4	10.2	8.6	6.5	7.5	2.6	1.4	2.4
65-74 years old	20.8	16.9	19.7	38.7	32.5	37.8	8.7	11.1	10.1	8.6	7.0	7.7	2.9	1.7	2.8
75-84 years old	21.2	19.1	25.2	45.5	45.5	58.9	8.9	10.5	10.0	7.2	5.7	6.0	1.7	1.4	2.6
85 years and over	19.0	19.2	20.6	45.9	52.6	66.3	9.7	18.9	17.9	8.8	5.9	5.0	2.6	-	-

- Represents or rounds to zero. ¹ Includes other races not shown separately. ² Includes other age groups not shown separately.

NO. 126. SUICIDES, BY SEX AND METHOD USED: 1970 TO 1986

[Excludes deaths of nonresidents of the United States. Beginning 1979, deaths classified according to the ninth revision of the *International Classification of Diseases*. For earlier years, classified according to the revision in use at the time; see text, section 2. See also *Historical Statistics, Colonial Times to 1970*, series H 879-886]

METHOD	MALE							FEMALE						
	1970	1975	1980	1983	1984	1985	1986	1970	1975	1980	1983	1984	1985	1986
Total	16,829	19,822	20,806	21,796	22,899	23,145	24,236	6,661	7,441	6,264	6,808	6,997	6,999	6,576
Firearms ¹	9,704	12,185	12,937	13,080	14,504	14,809	15,518	2,008	2,688	2,459	2,641	2,809	2,554	2,635
Percent of total	58.4	62.1	63.1	64.1	63.9	64.0	64.1	30.2	36.1	39.6	40.6	39.5	40.5	39.6
Poisoning ²	3,299	3,297	2,997	3,148	3,203	3,319	3,516	3,265	3,129	2,456	2,460	2,406	2,385	2,520
Hanging and strangulation ³	2,422	2,815	2,997	3,222	3,479	3,532	3,761	831	846	694	709	663	722	845
Other ⁴	1,204	1,325	1,574	1,457	1,504	1,485	1,431	667	778	755	690	719	637	679

¹ Includes explosives through 1975.² Includes solids, liquids, and gases.³ Includes suffocation.⁴ Beginning 1980 includes explosives.Source of tables 124-126: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual.

No. 127. MARRIAGES AND DIVORCES: 1960 TO 1985

[See also *Historical Statistics, Colonial Times to 1970*, series B 214-217]

YEAR	MARRIAGES ¹						DIVORCES AND ANNULMENTS		
	Number (1,000)	Rate per 1,000 population					Number (1,000)	Rate per 1,000 population	
		Total	Men 15 years old and over	Women 15 years old and over	Unmarried women			Total	Married women 15 yrs. old and over
					15 years old and over	15-44 years old			
1960	1,523	8.5	25.4	24.0	73.5	146.0	388	2.2	9.2
1965	1,800	8.3	27.9	26.0	75.0	144.3	479	2.5	10.6
1970	2,159	10.6	31.1	28.4	78.5	140.2	708	3.5	14.9
1975	2,153	10.0	27.9	25.8	85.9	118.5	1,036	4.8	20.3
1980	2,390	10.6	28.5	25.1	81.4	102.8	1,189	5.2	22.8
1981	2,422	10.6	28.4	26.1	81.7	103.1	1,213	5.3	22.8
1982	2,456	10.6	28.4	26.1	81.4	101.8	1,170	5.0	21.7
1983	2,446	10.5	28.0	25.7	80.9	99.3	1,158	4.9	21.3
1984	2,477	10.5	28.1	25.8	80.5	99.0	1,189	5.0	21.5
1985	2,413	10.1	26.9	24.8	87.0	94.9	1,190	5.0	21.7

¹ Beginning 1980, includes nonlicensed marriages registered in California.

No. 128. PERCENT DISTRIBUTION OF MARRIAGES BY AGE, SEX, AND PREVIOUS MARITAL STATUS:
1975 TO 1985

[Data cover marriage registration area; see text, section 2. Based on a sample and subject to sampling variability; for details, see source]

SEX AND PREVIOUS MARITAL STATUS	Total	Under 20 years old	20-24 years old	25-29 years old	30-34 years old	35-44 years old	45-54 years old	65 years old and over
WOMEN								
All marriages: ¹								
1975	100.0	29.2	26.1	14.4	6.7	6.7	6.0	1.0
1980	100.0	21.1	37.1	18.7	9.3	7.8	5.0	1.0
1985	100.0	13.9	34.4	22.1	12.0	11.1	5.4	1.0
First marriages: ²								
1975	100.0	40.4	44.1	10.8	2.6	1.4	.9	.1
1980	100.0	30.4	47.3	18.0	4.0	1.8	.8	1
1985	100.0	20.8	46.3	22.4	6.8	2.8	.8	1
Remarriages: ³								
1975	100.0	2.8	17.2	23.4	18.3	19.3	18.1	2.1
1980	100.0	1.7	15.3	24.4	20.8	20.8	14.3	2.9
1985	100.0	.9	11.1	21.8	21.8	27.1	14.8	2.9
Previously divorced: ⁴ 1985	100.0	.8	12.0	29.2	23.5	29.4	11.2	.8
Men								
All marriages: ¹								
1975	100.0	13.0	38.8	20.3	9.1	6.9	8.1	1.9
1980	100.0	8.5	35.7	23.8	12.3	10.5	7.4	1.8
1985	100.0	5.3	30.1	28.2	14.4	14.0	6.2	1.8
First marriages: ²								
1975	100.0	16.7	52.2	19.9	5.0	2.6	1.4	1
1980	100.0	12.7	50.0	25.7	7.5	2.9	1.1	1
1985	100.0	8.1	43.4	31.5	11.0	4.7	1.1	.1
Remarriages: ³								
1975	100.0	.3	8.1	21.1	18.0	22.7	22.8	5.7
1980	100.0	.2	7.2	20.1	21.8	25.8	20.0	5.1
1985	100.0	1	4.8	18.0	20.8	31.8	21.8	5.2
Previously divorced: ⁴ 1985	100.0	1	5.3	17.4	22.3	39.7	19.8	1.8

¹ Includes marriage order not stated.

² Excludes data for Iowa.

³ Includes remarriages of previously widowed.

⁴ Excludes remarriages in Michigan, Ohio, and South Carolina.

No. 129. PERCENT DISTRIBUTION OF MARRIAGES, BY MARRIAGE ORDER: 1970 TO 1985

[Beginning 1970, includes Iowa. Excludes marriages with marriage order not stated. See footnote, table 128]

MARRIAGE ORDER	1970	1975	1979	1980	1981	1982	1983	1984	1985
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
First marriage of bride and groom	68.8	60.1	57.1	58.4	58.2	54.7	54.8	54.4	54.3
First marriage of bride, remarriage of groom	7.8	8.9	11.1	11.2	11.3	11.6	11.8	11.8	11.5
Remarriage of bride, first marriage of groom	7.3	8.6	8.2	9.5	8.8	10.1	10.3	10.3	10.8
Remarriage of bride and groom	16.5	21.3	22.5	22.9	22.7	23.4	23.3	23.4	23.4

Sources of tables 127-129: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; *Monthly Vital Statistics Report*; and unpublished data.

NO. 130. MARRIAGE RATES AND MEDIAN AGE OF BRIDE AND GROOM BY PREVIOUS MARITAL STATUS:
1970 TO 1985

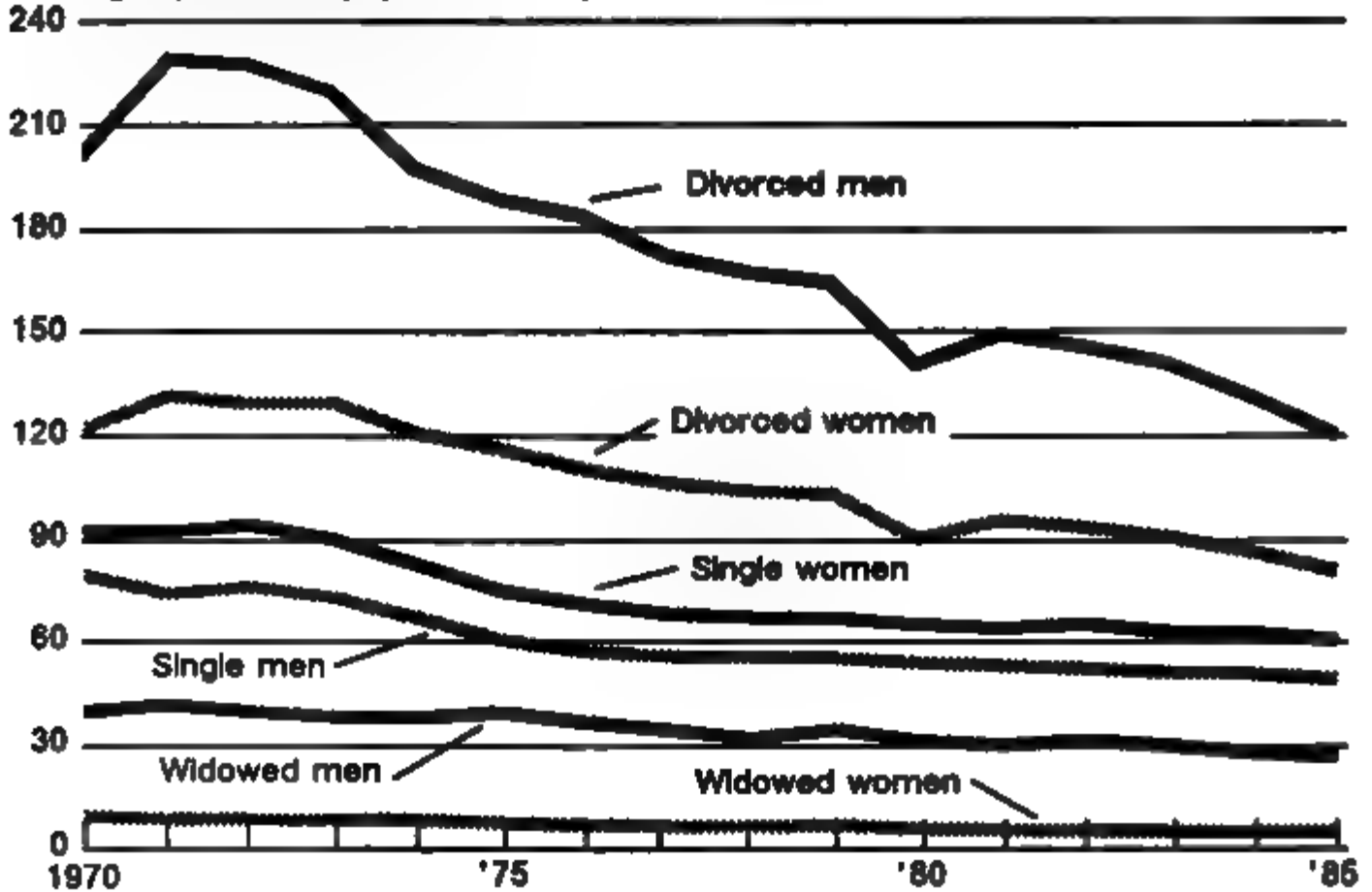
[Data cover marriage registration area; see text, section 2. Beginning 1977, excludes Iowa. Figures for previously divorced and previously widowed exclude data for Michigan and Ohio for all years, for South Carolina beginning 1975, and for the District of Columbia for 1970. Based on a sample and subject to sampling variability; for details, see source. For definition of median, see Guide to Tabular Presentation. See also *Historical Statistics, Colonial Times to 1970*, series A 156-159]

YEAR	MARRIAGE RATES ¹						MEDIAN AGE AT MARRIAGE					
	Women			Men			Women			Men		
	Single	Di- vorced	Wid- owed	Single	Di- vorced	Wid- owed	First mar- riage	Remarriage		First mar- riage	Remarriage	
								Di- vorced	Wid- owed		Di- vorced	Wid- owed
1970	93.4	129.2	10.2	80.4	204.5	40.8	20.8	30.1	51.2	22.5	34.5	58.7
1975	75.9	117.2	8.3	61.6	189.8	40.4	20.8	30.2	52.4	22.7	33.8	59.4
1976	72.0	111.3	7.9	58.2	185.0	37.6	21.0	30.1	53.0	22.9	33.7	60.0
1977	68.2	107.3	7.8	56.7	173.4	35.3	21.1	30.2	53.1	23.0	33.6	60.1
1978	68.2	106.0	7.1	56.4	168.6	32.7	21.4	30.5	52.6	23.2	33.8	59.7
1979	67.8	104.0	7.7	56.3	165.6	35.3	21.6	30.8	55.2	23.4	33.9	61.7
1980	65.0	91.3	6.7	54.7	142.1	32.2	21.8	31.0	53.8	23.6	34.0	61.2
1981	64.9	88.3	6.6	53.8	150.8	30.8	22.0	31.2	53.8	23.8	34.4	61.0
1982	66.0	84.4	6.1	63.1	146.9	32.1	22.3	31.8	54.1	24.1	34.8	61.7
1983	63.6	91.6	6.2	61.8	130.7	30.7	22.5	32.0	54.0	24.4	35.3	62.0
1984	63.6	87.3	5.8	61.6	132.7	28.7	22.6	32.6	54.2	24.6	35.8	62.4
1985	61.5	81.8	5.7	50.1	121.6	27.7	23.0	32.7	54.4	24.8	36.0	62.4

¹ Rate per 1,000 population 15 years old and over in specified group.
Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States, annual; Monthly Vital Statistics Report* and unpublished data.

Figure 2.3
Marriage Rates by Previous Marital Status: 1970 to 1985

Marriages per 1,000 population, 15 yrs old and over



Source: Chart prepared by U.S. Bureau of the Census. For data see table 130.

No. 131. MARRIAGES--AGE DIFFERENCES OF BRIDE AND GROOM, BY AGE: 1965

[In percent, except as indicated. Data cover marriage-registration area; see text, section 2. Based on a sample and subject to sampling variability; for details, see source.]

AGE OF BRIDE	PERCENT DISTRIBUTION				Average number of years groom older than bride	AGE OF GROOM	PERCENT DISTRIBUTION				Average number of years groom older than bride
	Total	Groom older than bride	Groom same age as bride	Bride older than groom			Total	Groom older than bride	Groom same age as bride	Bride older than groom	
Total	100.0	67.1	10.8	22.1	5.3	Total	100.0	67.1	10.8	22.1	5.3
15-19 years old	100.0	87.0	8.7	3.4	4.1	15-19 years old	100.0	41.9	25.4	32.6	1.7
20-24 years old	100.0	72.7	14.2	13.0	4.5	20-24 years old	100.0	58.5	16.3	25.2	2.5
25 years old	100.0	79.4	12.4	8.2	4.2	25 years old	100.0	54.0	17.1	27.3	1.9
21 years old	100.0	76.7	13.1	10.2	4.3	21 years old	100.0	58.1	16.4	25.5	2.2
22 years old	100.0	71.9	15.7	12.4	4.4	22 years old	100.0	58.8	17.5	25.7	2.4
23 years old	100.0	68.4	15.5	16.1	4.7	23 years old	100.0	59.7	15.9	24.3	2.8
24 years old	100.0	67.5	14.2	18.3	4.8	24 years old	100.0	62.2	13.7	24.1	2.9
25-29 years old	100.0	61.3	11.5	27.2	5.6	25-29 years old	100.0	65.8	8.7	23.5	3.8
25 years old	100.0	62.8	13.2	21.9	5.1	25 years old	100.0	64.9	11.6	23.3	3.2
26 years old	100.0	62.9	11.7	25.4	5.5	26 years old	100.0	65.4	8.9	23.7	3.5
27 years old	100.0	60.8	11.5	27.7	5.8	27 years old	100.0	65.1	8.3	24.6	3.9
28 years old	100.0	59.1	10.2	30.7	5.9	28 years old	100.0	65.2	8.4	23.4	4.3
29 years old	100.0	58.6	9.7	31.7	6.2	29 years old	100.0	66.6	8.2	22.2	4.7
30-34 years old	100.0	54.3	7.9	37.9	6.6	30-34 years old	100.0	72.1	6.6	21.3	5.7
35-39 years old	100.0	52.6	8.4	40.8	7.4	35-39 years old	100.0	77.1	5.1	17.8	7.4
40-44 years old	100.0	55.5	5.5	38.9	7.9	40-44 years old	100.0	80.9	4.3	14.7	8.8
45-49 years old	100.0	58.1	5.0	36.9	8.1	45-49 years old	100.0	83.6	3.8	12.6	9.9
50-54 years old	100.0	63.9	5.2	30.9	8.3	50-54 years old	100.0	89.7	3.4	11.8	10.9
55-64 years old	100.0	64.4	8.5	26.1	7.2	55-64 years old	100.0	93.6	3.9	12.5	12.0
65 years old and over	100.0	58.1	7.5	34.4	5.7	65 years old and over	100.0	85.8	4.0	10.2	12.1

No. 132. DIVORCES AND ANNULMENTS--MEDIAN DURATION OF MARRIAGE, MEDIAN AGE AT DIVORCE, AND CHILDREN INVOLVED: 1970 TO 1986

[Data cover divorce-registration area; see text, section 2. Based on a sample and subject to sampling variability; for details, see source. Median age computed on data by single years of age. See also *Historical Statistics, Colonial Times to 1970*, series B 215. NA. Not available.]

DURATION OF MARRIAGE, AGE, AND CHILDREN INVOLVED	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1986
Median duration of marriage (years)	6.7	6.5	6.8	6.6	6.8	6.8	7.0	7.0	7.0	6.8	6.8
Median age at divorce:											
Men (years)	(NA)	32.2	32.4	32.0	32.5	32.7	33.1	33.8	34.0	34.3	34.4
Women (years)	(NA)	29.5	29.9	29.7	30.1	30.3	30.6	31.1	31.5	31.7	31.9
Children involved in divorce (1,000)	670	1,129	1,066	1,147	1,181	1,174	1,180	1,108	1,091	1,081	1,091
Avg. number of children per decree	1.22	1.08	1.00	1.01	1.00	.98	.97	.94	.94	.92	.92
Rate per 1,000 children under 16 years of age	12.6	16.7	16.7	17.7	18.4	17.3	18.7	17.6	17.4	17.2	17.3

No. 133. DIVORCES AND ANNULMENTS--RATE AND PERCENT DISTRIBUTION, BY SEX AND AGE: 1986

[See headnote, table 132.]

AGE AT TIME OF DIVORCE DECREE	DIVORCE RATE ¹		PERCENT DISTRIBUTION		AGE AT TIME OF MARRIAGE	PERCENT DISTRIBUTION OF DIVORCES	
	Women	Men	Women	Men		Women	Men
Total	16.2	16.4	100.0	100.0	Total	100.0	100.0
Under 20 years old	48.4	40.0	2.1	.5	Under 20 years old	32.8	14.2
20-24 years old	48.6	48.9	18.8	10.3	20-24 years old	38.7	41.4
25-29 years old	35.6	38.4	23.1	21.0	25-29 years old	14.4	20.5
30-34 years old	20.9	30.4	19.9	20.8	30-34 years old	7.2	10.3
35-39 years old	23.4	29.3	16.5	17.2	35-39 years old	4.0	5.6
40-44 years old	19.8	23.2	10.2	12.0	40-44 years old	2.3	3.4
45-49 years old	12.6	18.7	6.6	7.4	45 years old and over	2.9	4.8
50-54 years old	7.4	11.1	3.1	4.8			
55-59 years old	4.2	6.9	1.9	3.0			
60-64 years old	2.7	4.1	1.1	1.8			
65 years old and over	1.1	2.1	.9	1.7			

¹ Rate per 1,000 married population in specified group. Figures for age not stated were distributed. Excludes data for Michigan, Ohio, and South Dakota.

Source of tables 131-133: U.S. National Center for Health Statistics, *Vital Statistics of the United States, annual and monthly vital statistics reports*, and unpublished data.

NO. 124. DEATHS AND DEATH RATES FROM ACCIDENTS, BY TYPE: 1970 TO 1986

[See headnote, table 123; and Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series B 163-165]

TYPE OF ACCIDENT	DEATHS					RATE				
	1970	1980	1984	1985	1986	1970	1980	1984	1985	1986
Accidents and adverse effects	114,838	106,718	98,911	93,467	86,277	22.4	21.7	20.3	19.1	18.5
Motor-vehicle accidents	54,833	53,172	48,283	45,901	47,885	26.9	23.5	19.8	19.2	19.8
Traffic	53,493	51,930	45,208	44,522	45,887	26.3	22.9	19.1	18.5	19.4
Nontraffic	1,340	1,242	1,055	1,079	998	.6	.5	.4	.4	.4
Water-transport accidents	1,851	1,429	1,131	1,111	1,102	.8	.6	.5	.5	.5
Air and space transport accidents	1,612	1,494	1,234	1,428	1,148	.8	.7	.5	.6	.5
Railway accidents	852	832	570	551	555	.4	.3	.2	.2	.2
Accidental falls	16,925	13,294	11,887	12,001	11,444	8.9	5.9	5.0	5.0	4.7
Fall from one level to another	4,798	3,749	3,289	3,385	3,234	2.4	1.7	1.4	1.4	1.3
Fall on the same level	828	415	435	411	384	.4	.2	.2	.2	.2
Fracture, cause unspecified, and other and unspecified falls	11,300	9,130	8,232	8,225	7,816	5.6	4.0	3.5	3.4	3.2
Accidental drowning	6,391	6,043	4,444	4,407	4,777	3.1	2.7	1.9	1.8	2.0
Accidents caused by—										
Fire and flames	6,718	6,822	5,010	4,936	4,835	3.3	2.5	2.1	2.1	2.0
Firearms	2,408	1,955	1,889	1,848	1,452	1.2	.9	.7	.7	.6
Electric current	1,140	1,085	888	802	854	.6	.5	.4	.3	.4
Accidental poisoning by—										
Drugs and medicines	2,805	2,492	3,288	3,612	4,187	1.2	1.1	1.4	1.5	1.7
Other solid and liquid substances	1,174	597	542	479	544	.6	.3	.2	.2	.2
Gases and vapors	1,620	1,242	1,103	1,079	1,009	.8	.6	.5	.5	.4
Complications due to medical procedures	3,581	2,437	2,828	2,852	3,088	1.8	1.1	1.1	1.2	1.3
Inhalation and ingestion of objects	2,753	3,349	3,541	3,551	3,882	1.4	1.4	1.5	1.5	1.6
All other accidents	10,575	10,785	8,888	8,085	8,743	5.2	4.7	3.7	3.8	3.8

NO. 125. SUICIDE RATES, BY SEX, RACE, AND AGE GROUP: 1970 TO 1986

[See headnote, table 123]

AGE	TOTAL ¹			MALE						FEMALE					
	1970	1980	1986	White			Black			White			Black		
				1970	1980	1986	1970	1980	1986	1970	1980	1986	1970	1980	1986
All ages ²	11.5	11.9	12.8	18.9	19.9	22.3	8.8	10.3	11.1	7.1	6.9	6.8	2.6	2.2	2.3
10-14 years old	.6	.8	1.5	1.1	1.4	2.4	.5	.8	1.5	.3	.3	.7	.4	1	.4
15-19 years old	5.9	8.5	10.2	9.4	15.0	18.2	4.7	5.8	7.1	2.9	3.9	4.1	2.9	1.6	2.1
20-24 years old	12.2	16.1	15.8	19.3	27.8	28.4	18.7	20.0	18.0	6.7	5.9	5.3	4.9	3.1	2.4
25-34 years old	14.1	16.0	15.7	19.9	25.6	26.4	19.2	21.8	21.5	9.0	7.5	6.2	5.7	4.1	3.6
35-44 years old	16.8	15.4	15.2	23.3	23.5	23.9	12.6	15.6	17.5	13.0	9.1	8.9	3.7	4.8	2.8
45-54 years old	20.0	15.9	16.4	29.5	24.2	25.9	13.8	12.0	12.6	13.5	10.2	9.8	3.7	2.8	3.2
55-64 years old	21.4	15.9	17.0	35.0	25.8	28.7	10.8	11.7	9.9	12.3	8.1	9.0	2.0	2.3	4.2
65 years and over	20.8	17.8	21.6	41.1	37.5	45.8	8.7	11.4	16.2	8.5	6.5	7.5	2.6	1.4	2.4
65-74 years old	20.8	16.9	19.7	38.7	32.5	37.8	8.7	11.1	18.1	8.6	7.0	7.7	2.9	1.7	2.8
75-84 years old	21.2	19.1	25.2	45.5	45.5	58.8	8.9	10.5	18.0	7.2	5.7	8.0	1.7	1.4	2.8
85 years and over	19.0	19.2	20.8	45.8	52.8	66.3	9.7	15.9	17.9	5.8	5.8	5.0	2.8	-	-

- Represents or rounds to zero. ¹ Includes other races not shown separately. ² Includes other age groups not shown separately.

NO. 126. SUICIDES, BY SEX AND METHOD USED: 1970 TO 1986

[Excludes deaths of nonresidents of the United States. Beginning 1979, deaths classified according to the ninth revision of the *International Classification of Diseases*. For earlier years, classified according to the revision in use at the time; see text, section 2. See also *Historical Statistics, Colonial Times to 1970*, series H 979-985]

METHOD	MALE							FEMALE						
	1970	1975	1980	1983	1984	1985	1986	1970	1975	1980	1983	1984	1985	1986
Total	18,629	18,822	20,806	21,798	22,888	23,146	24,228	8,851	7,441	8,384	8,508	8,597	8,308	8,578
Firearms ¹	9,704	12,185	12,937	13,988	14,504	14,808	15,518	2,088	2,898	2,459	2,641	2,809	2,554	2,835
Percent of total	58.4	62.1	63.1	64.1	63.9	64.0	64.1	30.2	36.1	38.6	40.6	39.5	40.5	39.5
Poisoning ²	3,299	3,297	2,997	3,148	3,203	3,319	3,516	3,285	3,129	2,456	2,469	2,406	2,386	2,520
Hanging and strangulation ³	2,422	2,615	2,997	3,222	3,478	3,532	3,761	831	846	694	709	683	732	845
Other ⁴	1,204	1,325	1,574	1,457	1,504	1,485	1,431	657	778	755	690	719	657	678

¹ Includes explosives through 1975.² Includes solids, liquids, and gases.³ Includes suffocation.⁴ Beginning 1980 includes explosives.Source of tables 124-126: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual.

No. 127. MARRIAGES AND DIVORCES: 1960 TO 1985

[See also *Historical Statistics, Colonial Times to 1970*, series B 214-217]

YEAR	MARRIAGES ¹						DIVORCES AND ANNULMENTS		
	Number (1,000)	Rate per 1,000 population					Number (1,000)	Rate per 1,000 population	
		Total	Men 15 years old and over	Women 15 years old and over	Unmarried women			Total	Married women 15 yrs. old and over
					15 years old and over	15-44 years old			
1960	1,923	8.5	25.4	24.0	73.5	148.0	308	2.2	8.2
1965	1,800	9.3	27.9	28.0	75.0	144.3	479	2.5	10.8
1970	2,159	10.6	31.1	28.4	76.5	140.2	708	3.5	14.9
1975	2,153	10.0	27.8	25.6	86.9	118.5	1,036	4.8	20.3
1980	2,390	10.6	28.5	26.1	81.4	102.6	1,169	5.2	22.8
1981	2,422	10.6	28.4	26.1	81.7	103.1	1,213	5.3	22.8
1982	2,468	10.8	28.4	26.1	81.4	101.9	1,170	5.0	21.7
1983	2,446	10.5	28.0	25.7	80.9	98.3	1,158	4.9	21.3
1984	2,477	10.5	28.1	25.8	80.5	98.0	1,168	5.0	21.5
1985	2,413	10.1	26.8	24.8	57.0	84.9	1,180	5.0	21.7

¹ Beginning 1980, includes nonlicensed marriages registered in California.

No. 128. PERCENT DISTRIBUTION OF MARRIAGES BY AGE, SEX, AND PREVIOUS MARITAL STATUS:
1975 TO 1985

[Data cover marriage registration area; see text, section 2. Based on a sample and subject to sampling variability; for details, see source]

SEX AND PREVIOUS MARITAL STATUS	Total	Under 20 years old	20-24 years old	25-29 years old	30-34 years old	35-44 years old	45-54 years old	65 years old and over
WOMEN								
All marriages: ¹								
1975	100.0	29.2	35.1	14.4	6.7	8.7	6.0	1.0
1980	100.0	21.1	37.1	18.7	8.3	7.8	6.0	1.0
1985	100.0	13.9	34.4	22.1	12.0	11.1	5.4	1.0
First marriages: ²								
1975	100.0	40.4	44.1	10.6	2.6	1.4	.9	.1
1980	100.0	30.4	47.9	18.0	4.0	1.8	.9	.1
1985	100.0	20.8	48.9	22.4	6.9	2.6	.8	.1
Remarriages: ^{2,3}								
1975	100.0	2.6	17.2	29.4	18.3	18.3	18.1	3.1
1980	100.0	1.7	15.9	24.4	20.8	20.8	14.3	2.9
1985	100.0	.9	11.1	21.8	21.9	27.1	14.6	2.9
Previously divorced: ⁴ 1985	100.0	.9	12.0	23.2	23.5	28.4	11.2	.8
MEN								
All marriages: ¹								
1975	100.0	13.0	38.8	20.3	9.1	6.9	8.1	1.9
1980	100.0	8.5	35.7	23.8	12.3	10.5	7.4	1.8
1985	100.0	5.3	30.1	26.2	14.4	14.0	8.2	1.9
First marriages: ²								
1975	100.0	18.7	52.2	18.8	6.0	2.6	1.4	.1
1980	100.0	12.7	50.0	25.7	7.5	2.8	1.1	.1
1985	100.0	6.1	43.4	31.6	11.9	4.7	1.1	.1
Remarriages: ^{2,3}								
1975	100.0	.3	9.1	21.1	18.0	22.7	22.8	5.7
1980	100.0	.2	7.2	20.1	21.9	25.6	20.0	5.1
1985	100.0	.1	4.8	18.0	20.8	31.6	21.8	5.2
Previously divorced: ⁴ 1985	100.0	.1	5.9	17.4	22.3	29.7	18.6	1.8

¹ Includes marriage order not stated. ² Excludes data for Iowa. ³ Includes remarriages of previously widowed.

⁴ Excludes remarriages in Michigan, Ohio, and South Carolina.

No. 129. PERCENT DISTRIBUTION OF MARRIAGES, BY MARRIAGE ORDER: 1970 TO 1985

[Beginning 1978, excludes Iowa. Excludes marriages with marriage order not stated. See headnote, table 128]

MARRIAGE ORDER	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
First marriage of bride and groom	88.6	80.1	57.1	56.4	56.2	54.7	54.6	54.4	54.4	54.3
First marriage of bride, remarriage of groom	7.8	9.8	11.1	11.2	11.3	11.6	11.8	11.6	11.5	11.5
Remarriage of bride, first marriage of groom	7.3	6.8	8.3	9.5	8.8	10.1	10.3	10.5	10.7	10.9
Remarriage of bride and groom	16.5	21.2	22.5	22.9	22.7	23.4	23.3	23.5	23.4	23.4

Source of tables 127-129: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; *Monthly Vital Statistics Report*; and unpublished data.

NO. 130. MARRIAGE RATES AND MEDIAN AGE OF BRIDE AND GROOM BY PREVIOUS MARITAL STATUS: 1970 TO 1985

[Data cover marriage registration area; see text, section 2. Beginning 1977, excludes Iowa. Figures for previously divorced and previously widowed exclude data for Michigan and Ohio for all years, for South Carolina beginning 1975, and for the District of Columbia for 1970. Based on a sample and subject to sampling variability; for details, see source. For definition of median, see Guide to Tabular Presentation. See also *Historical Statistics, Colonial Times to 1970*, series A 159-169]

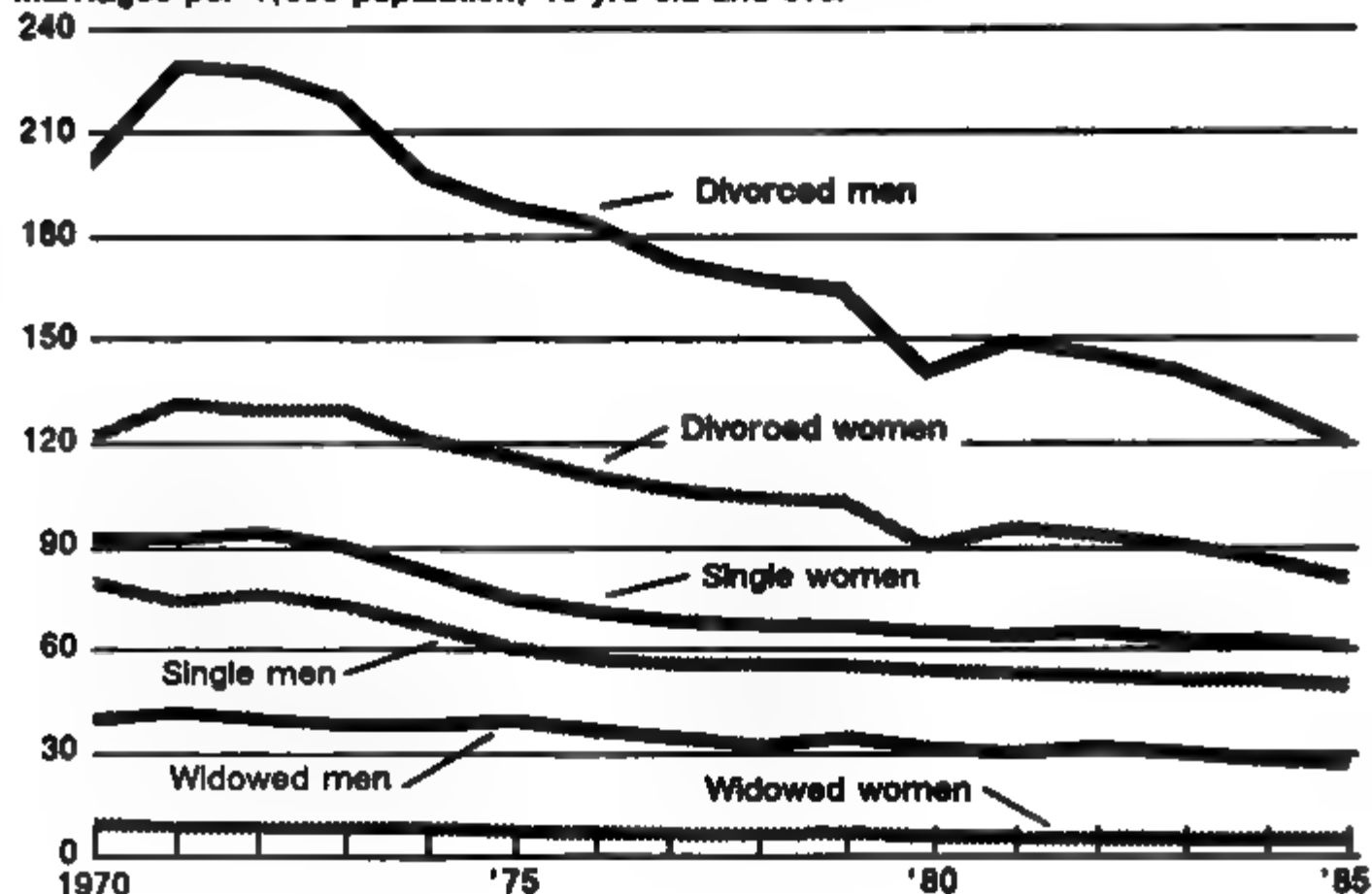
YEAR	MARRIAGE RATES ¹						MEDIAN AGE AT MARRIAGE					
	Women			Men			Women			Men		
	Single	Di- vorced	Wid- owed	Single	Di- vorced	Wid- owed	First mar- riage	Remarriage		First mar- riage	Remarriage	
								Di- vorced	Wid- owed		Di- vorced	Wid- owed
1970	83.4	123.3	10.2	80.4	204.5	40.6	20.6	30.1	51.2	22.5	34.5	56.7
1975	75.9	117.2	8.3	61.5	189.8	40.4	20.8	30.2	52.4	22.7	33.6	59.4
1976	72.0	111.3	7.9	58.2	185.0	37.6	21.0	30.1	53.0	22.9	33.7	60.0
1977	69.2	107.3	7.6	55.7	173.4	35.3	21.1	30.2	53.1	23.0	33.6	60.1
1978	66.2	105.0	7.1	53.4	168.6	32.7	21.4	30.5	52.6	23.2	33.8	59.7
1979	67.6	104.0	7.7	56.3	165.6	35.3	21.6	30.8	55.2	23.4	33.9	61.7
1980	66.0	91.3	6.7	54.7	142.1	32.2	21.8	31.0	53.6	23.6	34.0	61.2
1981	64.9	88.3	6.5	53.8	150.8	30.8	22.0	31.2	53.6	23.9	34.4	61.0
1982	65.0	84.4	6.1	53.1	146.9	32.1	22.3	31.6	54.1	24.1	34.9	61.7
1983	63.8	81.6	6.2	51.8	142.1	30.7	22.5	32.0	54.0	24.4	35.3	62.0
1984	63.5	87.3	5.8	51.6	132.7	28.7	22.8	32.5	54.2	24.6	35.9	62.4
1985	61.5	81.8	5.7	50.1	121.6	27.7	23.0	32.7	54.4	24.8	36.0	62.4

¹ Rate per 1,000 population 15 years old and over in specified group.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; *Monthly Vital Statistics Report*; and unpublished data.

Figure 2.3
Marriage Rates by Previous Marital Status: 1970 to 1985

Marriages per 1,000 population, 15 yrs old and over



Source: Chart prepared by U.S. Bureau of the Census. For data see table 130.

No. 131. MARRIAGES—AGE DIFFERENCES OF BRIDE AND GROOM, BY AGE: 1965

[In percent, except as indicated. Data cover marriage-registration area; see text, section 2. Based on a sample and subject to sampling variability; for details, see source]

AGE OF BRIDE	PERCENT DISTRIBUTION				Average number of years groom older than bride	AGE OF GROOM	PERCENT DISTRIBUTION				Average number of years groom older than bride
	Total	Groom older than bride	Groom same age as bride	Bride older than groom			Total	Groom older than bride	Groom same age as bride	Bride older than groom	
Total	100.0	67.1	19.8	22.1	5.3	Total	100.0	67.1	19.8	22.1	5.3
15-19 years old	100.0	67.0	9.7	3.4	4.1	15-19 years old	100.0	41.8	25.4	32.8	1.7
20-24 years old	100.0	72.7	14.2	13.0	4.5	20-24 years old	100.0	56.6	16.3	25.2	2.5
25 years old	100.0	79.4	12.4	8.2	4.2	25 years old	100.0	54.0	18.7	27.3	1.9
26 years old	100.0	76.7	13.1	10.2	4.3	26 years old	100.0	58.1	16.4	25.5	2.2
27 years old	100.0	71.8	15.7	12.4	4.4	27 years old	100.0	59.8	17.5	25.7	2.4
28 years old	100.0	68.4	15.5	16.1	4.7	28 years old	100.0	59.7	15.9	24.3	2.6
29 years old	100.0	67.5	14.2	18.3	4.8	29 years old	100.0	62.2	13.7	24.1	2.9
30-34 years old	100.0	61.3	11.5	27.2	5.8	30-34 years old	100.0	66.8	8.7	23.5	3.8
35 years old	100.0	64.8	13.2	21.9	5.1	35 years old	100.0	64.9	11.8	23.3	3.2
36 years old	100.0	62.9	11.7	25.4	5.5	36 years old	100.0	66.4	9.8	23.7	3.5
37 years old	100.0	60.8	11.5	27.7	5.8	37 years old	100.0	66.1	9.3	24.6	3.9
38 years old	100.0	59.1	10.2	30.7	5.9	38 years old	100.0	66.2	8.4	23.4	4.3
39 years old	100.0	56.6	9.7	33.7	6.2	39 years old	100.0	66.6	8.2	22.2	4.7
40-44 years old	100.0	54.3	7.8	37.9	6.6	40-44 years old	100.0	72.1	6.8	21.3	5.7
45 years old	100.0	52.8	6.4	40.8	7.4	45 years old	100.0	77.1	5.1	17.8	7.4
46 years old	100.0	55.6	5.5	38.9	7.9	46 years old	100.0	80.8	4.3	14.7	8.8
47 years old	100.0	56.1	5.0	38.9	8.1	47 years old	100.0	83.8	3.6	12.8	9.9
48 years old	100.0	63.9	5.2	30.9	8.3	48 years old	100.0	84.7	3.4	11.6	10.9
49 years old	100.0	64.4	6.5	29.1	7.2	49 years old	100.0	83.6	3.9	12.5	12.0
50 years old and over	100.0	7.6	34.4	5.7		50 years old and over	100.0	95.8	4.0	10.2	12.1

No. 132. DIVORCES AND ANNULMENTS—MEDIAN DURATION OF MARRIAGE, MEDIAN AGE AT DIVORCE, AND CHILDREN INVOLVED: 1970 TO 1985

[Data cover divorce-registration area; see text, section 2. Based on a sample and subject to sampling variability; for details, see source. Median age computed on data by single years of age. See also *Historical Statistics, Colonial Times to 1970*, series 8 216, NA. Not available]

DURATION OF MARRIAGE, AGE, AND CHILDREN INVOLVED	1970	1975	1977	1979	1979	1980	1981	1982	1983	1984	1985
Median duration of marriage (years)	6.7	6.5	6.6	6.6	6.8	6.8	7.0	7.0	7.0	6.9	6.8
Median age at divorce:											
Men (years)	(NA)	32.2	32.4	32.0	32.5	32.7	33.1	33.6	34.0	34.3	34.4
Women (years)	(NA)	29.5	29.9	29.7	30.1	30.3	30.6	31.1	31.5	31.7	31.9
Children involved in divorce (1,000)	670	1,123	1,095	1,147	1,181	1,174	1,180	1,108	1,091	1,061	1,091
Avg. number of children per decree	1.22	1.08	1.00	1.01	1.00	.98	.97	.94	.94	.92	.92
Rate per 1,000 children under 18 years of age	12.5	16.7	16.7	17.7	18.4	17.3	18.7	17.6	17.4	17.2	17.3

No. 133. DIVORCES AND ANNULMENTS—RATE AND PERCENT DISTRIBUTION, BY SEX AND AGE: 1965

[See heading, table 132]

AGE AT TIME OF DIVORCE DECREE	DIVORCE RATE ¹		PERCENT DISTRIBUTION		AGE AT TIME OF MARRIAGE	PERCENT DISTRIBUTION OF DIVORCES	
	Women	Men	Women	Men		Women	Men
Total	19.2	19.4	100.0	100.0	Total	100.0	100.0
Under 20 years old	46.4	40.0	2.1	.5	Under 20 years old	32.8	14.2
20-24 years old	46.6	48.9	16.8	10.3	20-24 years old	38.7	41.4
25-29 years old	35.6	38.4	23.1	21.0	25-29 years old	14.4	20.5
30-34 years old	35.6	30.4	19.9	20.6	30-34 years old	7.2	10.3
35-39 years old	38.4	28.3	18.6	17.2	35-39 years old	4.0	5.6
40-44 years old	18.6	23.2	10.2	12.0	40-44 years old	2.3	3.4
45-49 years old	12.6	18.7	5.8	7.4	45 years old and over	2.8	4.8
50-54 years old	7.4	11.1	3.1	4.6			
55-59 years old	4.2	6.8	1.8	3.0			
60-64 years old	2.7	4.1	1.1	1.8			
65 years old and over	1.8	2.1	.9	1.7			

¹ Rate per 1,000 married population in specified group. Figures for age not stated were distributed. Excludes data for Michigan, Ohio, and South Dakota.

Source of tables 131-133: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual and Monthly *Vital Statistics Reports*, and unpublished data.

NO. 134. MARRIAGES AND DIVORCES—NUMBER AND RATE, BY STATE 1960 TO 1967

(By place of occurrence. For composition of regions, see fig. 1, inside front cover)

REGION, DIVISION, AND STATE	MARRIAGES ¹						DIVORCES ²					
	Number (1,000)			Rate per 1,000 population ³			Number (1,000)			Rate per 1,000 population ³		
	1960	1966	1967, prel.	1960	1966	1967, prel.	1960	1966	1967, prel.	1960	1966	1967, prel.
U.S.	2,390.3	2,412.6	* 2,421.8	10.6	10.1	* 9.9	1,169.0	* 1,190.0	* 1,187.0	5.2	* 5.0	* 4.8
Region:												
Northeast	400.3	426.7	436.4	8.1	8.6	8.7	174.0	187.0	178.6	3.6	3.8	3.6
Midwest	569.2	* 520.5	502.4	9.7	* 8.8	8.4	292.0	267.0	(NA)	5.0	4.5	(NA)
South	680.2	919.1	905.3	11.7	11.2	10.8	449.0	* 458.0	(NA)	6.0	* 5.8	(NA)
West	540.6	544.3	579.2	12.5	11.4	11.8	274.0	278.0	290.7	5.3	5.2	5.2
New England	106.3	114.3	119.2	9.6	9.0	8.3	49.9	49.9	44.8	4.6	3.9	3.4
Maine	12.0	12.2	11.9	10.7	10.5	10.0	6.2	6.1	5.6	5.5	5.2	4.9
New Hampshire	9.3	11.4	10.5	10.0	11.4	9.9	5.3	4.8	4.6	5.7	4.9	4.6
Vermont	5.2	5.5	5.7	10.2	10.4	10.3	2.6	2.4	2.2	5.1	4.4	4.0
Massachusetts	48.3	49.6	55.9	8.1	8.6	9.6	17.9	21.6	17.8	3.1	3.7	3.0
Rhode Island	7.5	8.0	8.0	7.9	8.3	8.1	3.8	3.7	3.7	3.8	3.8	3.7
Connecticut	26.0	27.3	27.2	8.4	8.6	8.5	13.6	11.2	9.7	4.3	3.5	3.0
Middle Atlantic	294.0	314.3	317.2	9.0	9.5	9.5	134.7	137.1	134.7	3.4	3.7	3.6
New York	144.5	164.0	* 169.2	9.2	9.2	* 9.3	62.0	67.6	69.0	3.5	3.8	3.9
New Jersey	55.8	61.2	60.1	7.6	8.1	7.9	27.8	29.3	27.2	3.8	3.9	3.5
Pennsylvania	93.7	89.1	87.9	7.9	7.5	7.4	34.9	40.2	38.5	2.9	3.4	3.2
East North Central	366.5	* 362.2	362.8	9.5	* 9.7	9.4	212.4	* 192.6	(NA)	5.1	* 4.6	(NA)
Ohio	99.8	* 94.4	95.6	9.2	* 8.8	8.9	56.8	* 53.0	48.2	3.4	* 4.9	4.5
Indiana	57.9	51.1	48.5	10.5	9.3	8.8	* 40.0	* 35.3	(NA)	* 7.3	* 6.4	(NA)
Illinois	109.8	97.7	95.8	9.6	8.5	8.3	51.0	46.9	43.7	4.5	4.2	4.0
Michigan	86.8	79.0	75.2	9.4	8.7	8.2	45.0	38.6	40.5	4.9	4.3	4.4
Wisconsin	41.1	40.0	37.7	8.7	8.4	7.8	17.5	16.6	17.0	3.7	3.5	3.5
West North Central	173.7	169.3	166.9	10.1	9.8	9.5	79.6	74.3	72.1	4.6	4.2	4.1
Minnesota	37.6	36.1	32.6	9.2	8.4	7.7	15.4	14.8	14.9	3.8	3.5	3.5
Iowa	27.5	24.6	23.1	8.4	8.5	8.2	11.9	10.5	10.8	4.1	3.7	3.8
Missouri	54.6	49.5	46.2	11.1	9.8	9.4	27.6	25.0	24.3	5.8	5.0	4.8
North Dakota	8.1	6.4	5.0	9.3	7.9	7.6	2.1	2.3	2.2	3.3	3.4	3.3
South Dakota	8.8	7.8	7.0	12.7	11.0	9.8	2.8	2.6	2.7	4.1	3.8	3.6
Nebraska	14.2	12.7	11.7	9.1	7.9	7.4	6.4	6.4	6.3	4.1	4.0	4.0
Kansas	24.8	23.3	22.0	10.6	9.5	8.9	13.4	12.6	10.9	5.7	5.2	4.4
South Atlantic	413.1	436.8	443.9	11.2	10.6	10.6	206.3	219.5	218.5	5.8	5.2	5.2
Delaware	4.4	5.4	6.2	7.5	8.8	8.1	2.3	3.0	2.9	3.9	4.6	4.6
Maryland	46.3	46.1	45.4	11.0	10.8	10.0	17.5	16.2	15.9	4.1	3.7	3.5
District of Columbia	5.2	5.0	5.1	8.1	8.1	8.3	4.7	2.7	4.2	7.3	4.3	6.7
Virginia	60.2	66.5	67.1	11.3	11.7	11.4	23.6	24.1	25.6	4.4	4.2	4.3
West Virginia	17.4	14.6	13.5	8.9	7.5	7.1	10.3	9.9	9.1	5.3	5.1	4.8
North Carolina	48.7	50.5	50.5	7.9	8.1	7.9	25.1	30.2	31.6	4.8	4.8	4.9
South Carolina	53.9	52.6	53.5	17.3	15.8	15.9	13.6	13.5	14.0	4.4	4.0	4.1
Georgia	70.6	72.9	65.3	12.9	12.1	10.8	34.7	33.4	33.5	6.4	5.5	5.4
Florida	106.3	125.5	136.2	11.1	11.0	11.5	71.6	77.5	79.7	7.3	6.8	6.6
East South Central	* 168.8	171.6	173.9	* 11.8	11.4	11.3	* 87.5	94.2	94.6	* 6.0	5.7	5.8
Kentucky	* 32.7	46.0	47.6	* 8.9	12.3	12.9	* 16.7	18.3	19.9	* 4.6	4.9	5.3
Tennessee	59.2	55.0	57.5	12.9	11.5	11.8	30.2	29.9	31.0	6.6	6.3	6.4
Alabama	49.0	46.1	44.0	12.8	11.5	10.8	26.7	25.0	24.7	6.9	6.2	6.0
Mississippi	27.9	24.8	23.9	11.1	9.5	9.1	13.8	* 13.0	12.4	5.6	* 5.0	4.7
West South Central	296.2	306.6	299.5	12.6	11.8	10.9	* 156.0	* 160.9	(NA)	* 6.8	(NA)	(NA)
Arkansas	26.5	31.7	32.2	11.8	13.4	13.5	* 15.9	* 16.5	16.2	* 6.9	* 7.0	6.8
Louisiana	43.5	39.4	36.8	10.3	8.6	8.2	* 18.1	* 17.6	(NA)	* 4.3	(NA)	(NA)
Oklahoma	48.5	35.9	31.8	15.4	10.9	9.7	24.2	26.4	23.9	6.0	6.0	7.3
Texas	181.8	201.6	188.7	12.8	12.3	11.2	96.8	100.4	93.3	6.8	6.1	5.6
Mountain	241.7	233.7	245.1	21.3	19.3	18.6	96.1	89.9	89.9	7.8	7.5	8.8
Montana	8.3	7.2	6.6	10.8	8.7	8.1	4.3	4.3	4.1	5.3	5.1	5.1
Idaho	13.4	12.3	13.1	14.2	12.2	13.1	6.8	6.2	5.9	7.0	6.2	5.9
Wyoming	6.9	5.4	4.6	14.6	10.6	9.4	4.0	3.8	3.2	8.5	7.5	6.5
Colorado	34.9	33.6	31.4	12.1	10.4	9.5	18.6	19.2	18.5	5.4	5.9	5.5
New Mexico	16.6	* 15.5	* 13.5	12.9	* 10.7	* 10.7	10.4	* 13.2	8.6	8.0	* 6.1	5.7
Arizona	30.2	35.7	* 42.0	11.1	11.2	* 12.4	19.9	21.2	23.8	7.3	8.6	7.0
Utah	17.0	17.6	16.3	11.6	10.6	9.7	7.8	6.8	6.9	6.3	5.3	5.3
Nevada	114.3	106.5	117.7	142.8	113.7	116.8	13.8	13.2	13.6	17.3	14.2	13.7
Pacific	294.8	316.8	333.2	9.4	9.9	9.1	167.9	195.5	173.9	5.9	6.4	4.9
Washington	47.7	43.6	43.5	11.8	9.9	9.6	29.6	26.3	26.0	6.9	6.0	5.7
Oregon	23.0	22.4	23.3	8.7	8.3	8.8	17.9	15.7	15.7	6.7	5.8	5.8
California ¹²	210.9	222.6	244.4	8.8	8.5	8.8	133.5	* 137.5	124.1	5.8	* 5.2	4.5
Alaska	5.4	6.2	5.5	13.3	11.8	10.6	3.8	4.0	3.5	8.8	7.7	6.7
Hawaii	11.9	15.4	16.4	12.3	14.7	15.2	4.4	4.8	4.5	4.6	4.6	4.1

NA Not available. ¹ Data are counts of marriages performed, except as noted. ² Based on total population residing in area; population enumerated as of April 1 for 1960, estimated as of July 1 for all other years. ³ Includes annulments. ⁴ Estimate for U.S. is based on monthly reports adjusted for observed differences from final monthly figures. State figures are not adjusted in this manner. ⁵ Estimated. ⁶ Data are incomplete. ⁷ For some counties, data are marriage licenses issued. ⁸ Includes divorce petitions filed for some counties. ⁹ Premarital health forms issued. ¹⁰ Marriage licenses issued. ¹¹ Divorce petitions filed. ¹² Marriage data include nonlicensed marriages registered. ¹³ Data include legal separations.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and *Monthly Vital Statistics Reports*.



Section 3

Health and Nutrition

This section presents statistics on health expenditures and insurance coverage; medical personnel; hospitals; nursing homes and other care facilities; incidence of acute and prevalence of chronic conditions; nutritional intake of the population; and per capita food consumption. Summary statistics showing recent trends on health care and discussions of selected health issues are published annually by the U.S. National Center for Health Statistics (NCHS) in *Health, United States*. Data on national health expenditures, medical costs, and insurance coverage are compiled by the U.S. Health Care Financing Administration (HCFA), and appear in the quarterly *Health Care Financing Review*, *Health Care Financing Notes*, (no longer being produced) and in the *Annual Medicare Program Statistics* series. Statistics on health facilities are collected by NCHS and are published in series 14 of *Vital and Health Statistics*. Statistics on hospitals are published annually by the American Hospital Association, Chicago, IL, in *Hospital Statistics*. Primary sources for data on nutrition are the quarterly *National Food Review* and the annual *Food Consumption, Prices, and Expenditures*, both issued by the U.S. Department of Agriculture. In addition, NCHS conducts periodic surveys of nutrient levels in the population and clinical signs of malnutrition.

National health expenditures.—The HCFA compiles estimates of national health expenditures (NHE) to measure spending for health care in the U.S. The NHE accounts are structured to show spending by type of expenditure (i.e., hospital care, physician care, dental care, other professional care, drugs and medical sundries, medical durable equipment, nursing home care and other personal health expenditures, plus non-personal health expenditures for such items as public health, research, construction of medical facilities, and administration) and by source of funding (e.g., private health insurance, direct payments, and a range of public programs including Medicare, Medicaid and Veterans Administration (VA)).

In all cases except private insurance (HCFA conducts its own survey of part of the health insurance industry), data used to estimate health expenditures come from existing sources which are tabulated for other purposes. The type of expenditure estimates rely upon statistics produced by such groups as the American Hospital Association, the Internal Revenue Service, the Department of Commerce, and the Department of Health and Human Services (HHS). Source of funding estimates are constructed using administrative and statistical records from: the Medicare and Medicaid programs, the Department of Defense and VA medical programs, the Social Security Administration, Census Bureau's *Governmental Finances*, State and local governments, other HHS agencies, and other nongovernment sources. Detailed descriptions of sources and methods, along with the most recent analysis of health care expenditure estimates, are published in the *Health Care Financing Review's* annual article on national health expenditures.

Health resources.—Hospital statistics based on data from the American Hospital Association's yearly survey are published annually in *Hospital Statistics*, and cover all hospitals accepted for registration by the Association. To be accepted for registration, a hospital must meet certain requirements relating to number of beds, construction, equipment, medical and nursing staff, patient care, clinical records, surgical and obstetrical facilities, diagnostic and treatment facilities, laboratory services, etc. Data obtained from NCHS cover all U.S. hospitals which meet certain criteria for inclusion. The criteria are published in *Vital and Health Statistics* reports, series 14. In these reports, a hospital is defined as a facility with at least six inpatient beds that is licensed as a hospital by a State, or is operated as a hospital by a Federal or State agency.

Statistics on the demographic characteristics of persons employed in the health occupations are based on data compiled by the U.S. Bureau of Labor Statistics and reported in *Employment and Earnings* (monthly) (see table 642, section 13). Data based on sample surveys of health personnel and utilization of health facilities providing long-term care, ambulatory care, and hospital care are presented in NCHS series 13 and series 14, *Health Resources Utilization Data and Manpower and Facilities Data*. Statistics on patient visits to health care providers, as reported in health interviews, appear in NCHS series 10, *National Health Interview Survey Data*.

The HCFA's *Health Care Financing Review, Health Care Financing Program Statistics and Notes* series present data for hospitals and nursing homes as well as extended care facilities and home health agencies. These data are based on records of the Medicare program and differ from those of other sources because they are limited to facilities meeting Federal eligibility standards for participation in Medicare.

Data on patients in hospitals for the mentally ill and on mental health facilities are collected by the National Institute of Mental Health (NIMH) and appear in *Mental Health, U.S.*, the *Mental Health Statistics* reports, (series CN), and the Mental Health Statistical Note series.

Disability and illness.—General health statistics, including morbidity, disability, injuries, preventive care, and findings from physiological testing, are collected by NCHS in its National Health Interview Survey and its National Health and Nutrition Examination Surveys and appear in *Vital and Health Statistics*, series 10 and 11, respectively. The Department of Labor compiles statistics on industrial injuries (see Section 13). Annual incidence data on notifiable diseases are compiled by the Public Health Service (PHS) at its Centers for Disease Control in Atlanta, Georgia, and are published as a supplement to its *Morbidity and Mortality Weekly Report*. The list of diseases is revised annually and includes those which, by mutual agreement of the States and PHS, are communicable diseases of national importance.

Nutrition.—Statistics on annual per capita consumption of food and its nutrient value are estimated by the U.S. Department of Agriculture and published quarterly in *National Food Review*. Historical data can be found in *Food Consumption, Prices, and Expenditures*, issued annually.

Statistical reliability.—For discussion of statistical collection, estimation, and sampling procedures and measures of statistical reliability applicable to data from NCHS and HCFA, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

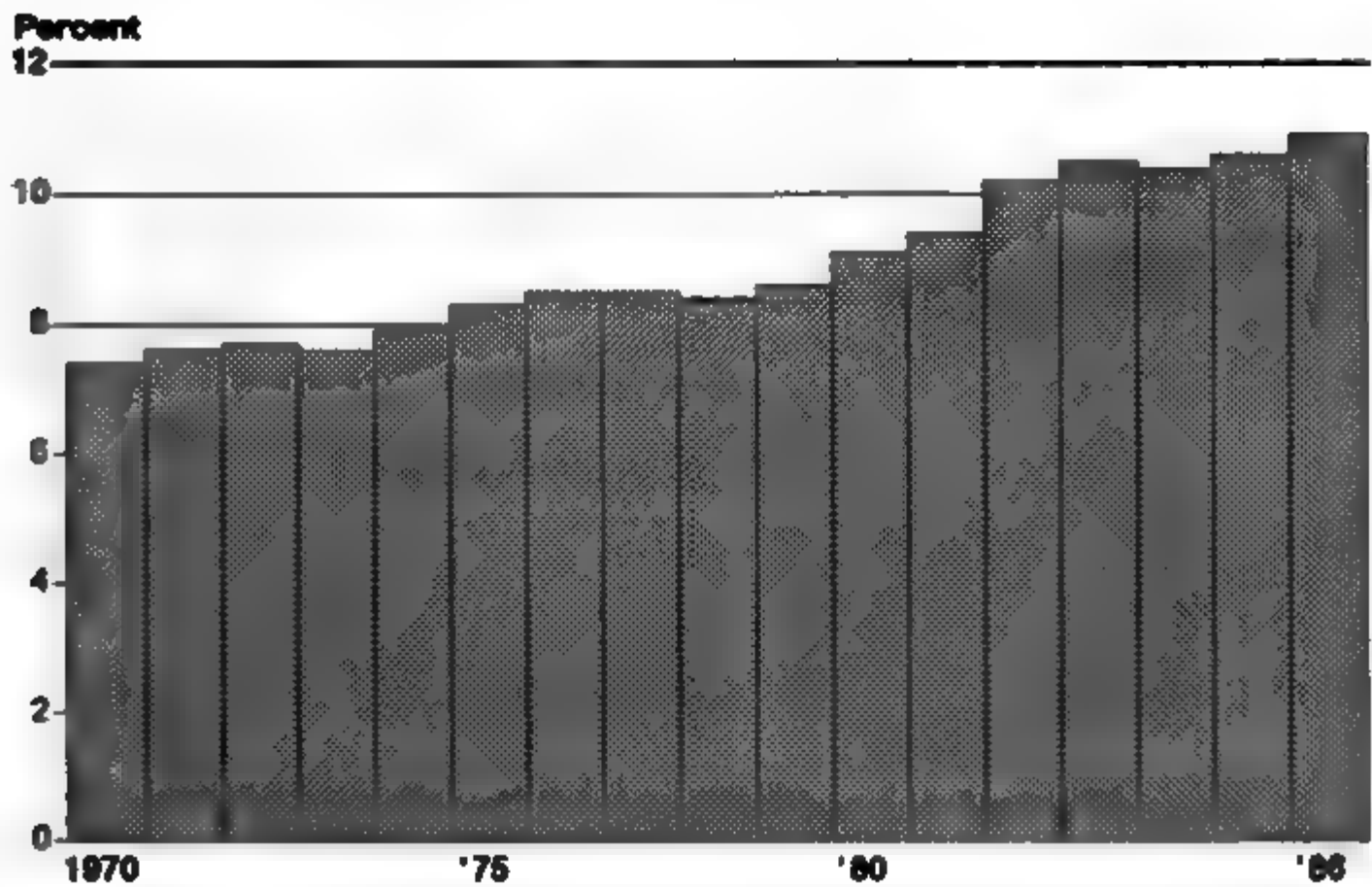
NO.135. NATIONAL HEALTH EXPENDITURES: 1970 TO 1986
[Includes Puerto Rico and outlying areas]

YEAR	TOTAL ¹			HEALTH SERVICES AND SUPPLIES							
	Total (bil. dol.)	Per capita (dol.)	Per- cent of GNP ²	Private				Public			
				Total ³ (bil. dol.)	Direct patient payments		Insur- ance premi- ums ⁴ (bil. dol.)	Total ⁵		Medical payments	
					Total (bil. dol.)	Per- cent of total private		Total (bil. dol.)	Per- cent of total health exp.	Medi- care (bil. dol.)	Public assist- ance (bil. dol.)
1970.....	75.0	349	7.4	44.7	28.5	59.3	16.8	24.9	33.2	7.5	8.3
1971.....	83.5	384	7.8	48.9	28.1	57.4	19.3	28.4	34.0	8.3	6.1
1972.....	94.0	428	7.7	55.3	30.6	55.4	22.2	32.1	34.1	9.1	9.1
1973.....	103.4	467	7.6	60.7	33.3	54.8	24.7	36.8	34.6	10.1	10.3
1974.....	116.1	521	7.9	65.8	38.2	55.0	27.9	42.9	36.9	13.1	12.1
1975.....	132.7	580	8.3	73.0	38.1	52.2	33.2	51.3	36.6	16.3	15.1
1976.....	150.8	665	8.5	84.5	42.0	49.8	40.4	57.3	36.0	19.3	16.9
1977.....	169.9	743	8.5	96.7	48.4	48.1	48.0	64.0	37.7	22.5	18.9
1978.....	169.7	822	8.4	105.6	50.7	47.6	53.6	73.3	38.7	25.9	21.1
1979.....	214.7	921	8.6	120.4	55.8	48.4	62.0	83.6	39.0	30.3	24.3
1980.....	248.1	1,054	9.1	138.7	63.0	45.5	72.6	97.5	39.3	36.8	26.1
1981.....	287.0	1,207	9.4	160.6	72.8	45.2	84.4	113.2	39.4	44.8	32.3
1982.....	323.6	1,348	10.2	182.2	79.6	43.7	96.7	127.1	39.3	52.4	34.9
1983.....	357.2	1,473	10.5	202.8	86.7	43.7	109.7	136.9	38.9	58.9	37.7
1984.....	391.1	1,597	10.4	224.7	95.4	43.8	121.5	150.8	38.6	64.4	33.3
1985.....	422.6	1,710	10.6	240.7	105.3	43.7	130.1	166.5	39.4	72.3	42.2
1986.....	456.2	1,837	10.9	262.5	116.1	44.2	140.7	179.5	39.2	77.7	45.8

¹ Includes medical research and medical facilities construction. ² GNP=Gross national product; see table 688. ³ Includes other sources of funds not shown separately. ⁴ See footnote 3, table 136. ⁵ Includes other programs, not shown separately.

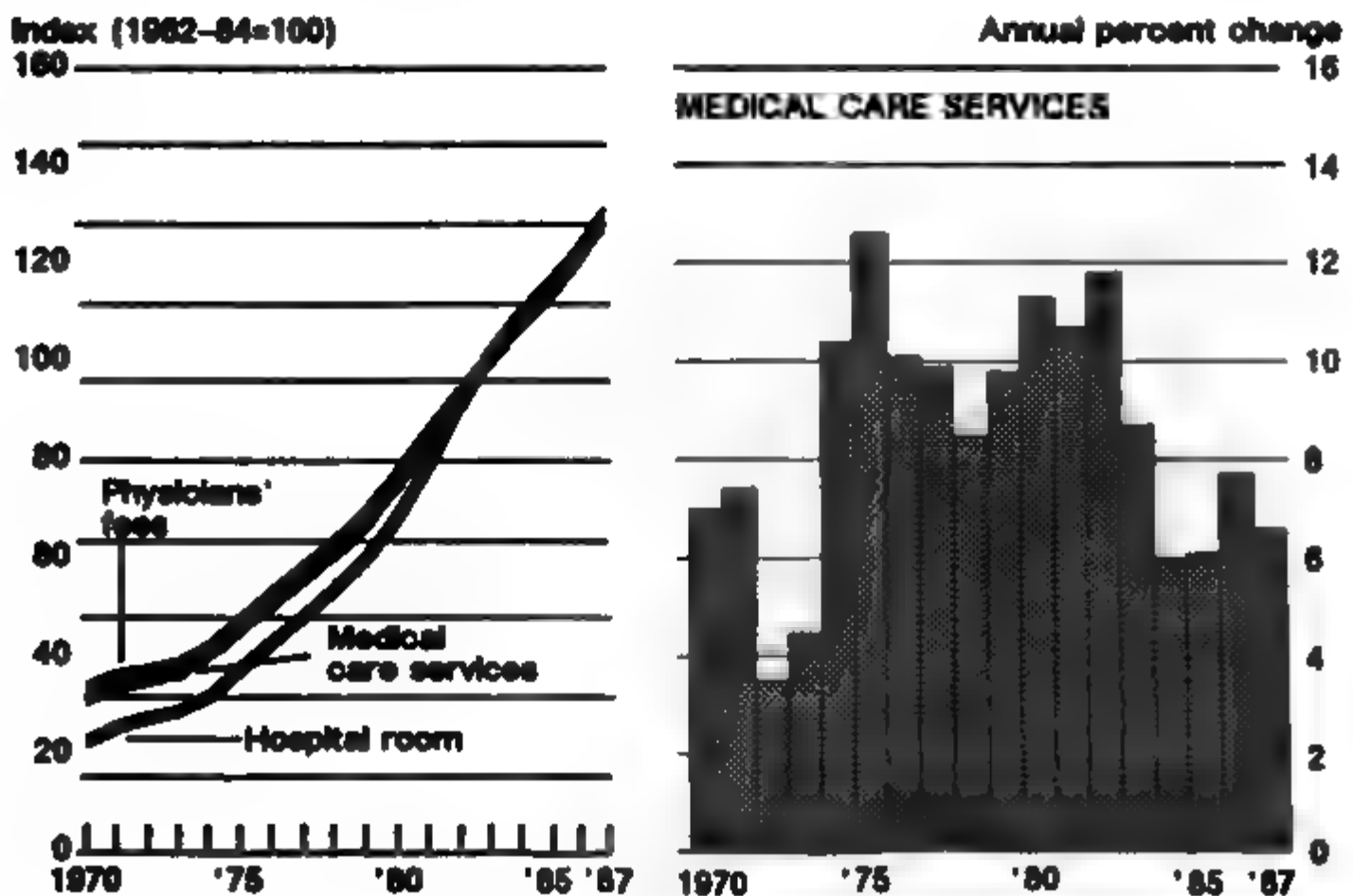
Source: U.S. Health Care Financing Administration, *Health Care Financing Review*, Summer 1987.

Figure 3.1
National Health Expenditures as Percent of Gross National Product: 1970 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 135.

Figure 3.2
Indexes of Medical Care Prices: 1970 to 1987



Source: Chart prepared by U.S. Bureau of the Census. For data see table 144.

NO. 136. NATIONAL HEALTH EXPENDITURES, BY TYPE: 1970 TO 1986

[In millions of dollars, except percent. Includes Puerto Rico and outlying areas. See also *Historical Statistics, Colonial Times to 1870*, series B 246-261]

TYPE OF EXPENDITURE	1970	1975	1980	1981	1982	1983	1984	1985	1986
Total	74,995	122,899	246,110	266,875	323,835	367,195	391,870	422,992	455,214
Average annual percent change ¹	12.3	12.1	13.9	15.7	12.8	10.4	9.5	8.1	8.4
Private expenditures	47,222	78,388	142,938	166,781	198,357	209,888	231,348	248,812	266,517
Health services and supplies	44,662	73,020	139,686	160,831	182,239	202,848	224,699	240,659	262,485
Direct patient payments	26,498	38,081	63,039	72,620	79,815	88,685	98,414	106,306	116,128
Insurance premiums ²	16,871	33,176	72,585	84,419	98,679	108,884	121,464	130,199	140,728
Other	1,293	1,761	3,032	3,562	3,945	4,478	4,811	5,214	5,631
Medical research	215	264	306	316	333	354	363	377	367
Medical facilities construction	2,345	3,072	3,957	4,832	5,785	6,456	6,296	6,577	6,845
Public expenditures	27,773	44,511	103,172	121,193	135,478	147,307	158,722	175,980	188,697
Percent Federal of public	63.6	68.8	67.5	68.7	68.9	69.6	69.9	70.7	70.6
Health services and supplies	24,993	51,299	87,808	113,170	127,115	138,949	150,762	166,501	179,473
Medicare ³	7,466	16,317	36,614	44,772	52,362	58,800	64,427	72,294	77,721
Public assistance medical payments ⁴	6,321	15,088	28,127	32,255	34,879	37,677	39,286	42,181	45,782
Temporary disability insurance ⁵	86	73	82	82	83	59			
Workers' compensation (medical) ⁶	1,408	2,432	5,151	6,689	8,086	6,946			
Defense Dept. hospital, medical	1,782	2,890	4,907	4,917	5,709	6,585			
Maternal, child health programs	429	599	892	907	895	1,009	(NA)	(NA)	(NA)
Public health activities	1,431	3,189	7,294	8,489	9,331	9,948			
Veterans' hospital, medical care	1,784	3,485	5,530	6,512	7,144	7,677			
Medical vocational rehabilitation	148	177	216	208	200	233			
State and local hospitals ⁷	3,220	5,290	5,909	6,283	7,219	6,576			
Other ⁸	787	1,861	3,012	3,118	3,156	3,060			
Medical research	1,764	3,071	5,134	5,895	5,999	5,800	6,410	6,888	7,825
Medical facilities construction	1,069	1,865	2,532	2,726	2,624	2,775	2,589	2,484	2,399

NA Not available. ¹ Change from prior year shown, except as noted. For explanation of average annual percent change, see Guide to Tabular Presentation. ² Change from 1985. ³ Covers insurance benefits and amount retained by insurance companies for expenses, additions to reserves, and profits (net cost of insurance). ⁴ Includes expenditures not available by type. ⁵ Represents expenditures for benefits and administrative cost from Federal hospital and medical insurance trust funds under old-age, survivors, disability, and health insurance programs; see text, section 12. ⁶ Payments made directly to suppliers of medical care. (Primarily Medicaid.) ⁷ Includes medical benefits paid under public law by private insurance carriers and self-insurers. ⁸ Expenditures not offset by other revenue. ⁹ Covers expenditures for Alcohol, Drug Abuse, and Mental Health Administration; Indian Health Service; school health and other programs.

Source: U.S. Health Care Financing Administration, *Health Care Financing Review*, Summer 1987.

NO. 137. NATIONAL HEALTH EXPENDITURES, BY OBJECT: 1970 TO 1986

[See headnote, table 136. See also *Historical Statistics, Colonial Times to 1870*, series B 221-236]

OBJECT OF EXPENDITURE	EXPENDITURE (bil. dol.)									PERCENT		
	1970	1975	1980	1981	1982	1983	1984	1985	1986	1970	1980	1986
Total	75.0	122.7	246.1	267.0	323.8	367.2	391.1	422.6	455.2	100.0	100.0	100.0
Spent by—												
Consumers	43.4	71.3	135.6	157.0	178.3	198.4	219.9	235.4	255.9	57.8	54.7	56.0
Government	27.6	56.3	105.2	121.2	135.3	147.5	159.7	176.0	189.7	37.0	42.4	41.4
Philanthropy and industry	3.9	5.1	7.3	8.7	10.1	11.3	11.5	11.2	11.7	5.1	2.9	2.5
Spent for												
Health services and supplies	69.6	124.3	236.2	273.8	309.4	341.8	375.4	407.2	442.0	92.8	95.2	98.5
Personal health care expenses	65.4	117.1	219.7	254.7	288.5	314.7	341.9	371.3	404.0	87.1	88.6	88.2
Hospital care	28.0	52.4	101.6	119.1	135.2	148.8	158.3	167.2	179.6	37.3	41.0	39.2
Physicians services	14.3	24.9	48.8	54.8	61.8	64.8	75.4	82.8	92.0	19.1	18.9	20.1
Dentists services	4.7	8.2	15.4	17.3	19.5	21.7	24.6	27.1	29.6	6.3	6.2	6.5
Other professional services ¹	1.6	2.8	5.7	6.6	8.0	9.3	10.9	12.4	14.1	2.1	2.3	3.1
Drugs and sundries	8.0	11.9	19.8	20.7	22.1	24.3	26.5	28.7	30.6	10.7	7.8	6.7
Eyeglasses and appliances ²	1.9	3.2	5.1	5.3	5.8	6.2	7.0	7.6	8.2	2.6	2.0	1.8
Nursing home care	4.7	10.1	20.4	23.9	26.7	29.4	31.7	35.0	38.1	6.3	8.2	8.3
Other health services	2.1	3.8	5.9	6.8	7.4	8.3	9.4	10.8	11.9	2.8	2.4	2.6
Net cost of insurance and administration ³	2.8	4.0	9.2	10.6	13.5	17.1	22.6	23.6	24.5	3.8	3.7	5.4
Government public health activities	1.4	3.2	7.3	8.5	9.3	9.8	11.0	12.3	13.4	1.9	2.9	2.9
Medical research	2.0	3.3	5.4	5.6	5.9	6.2	6.8	7.4	8.2	2.6	2.2	1.8
Medical facilities construction	3.4	5.1	6.5	7.6	8.4	9.2	8.9	8.1	8.0	4.6	2.6	1.8

¹ Includes services of registered and practical nurses in private duty, visiting nurses, podiatrists, physical therapists, clinical psychologists, chiropractors, naturopaths, and Christian Science practitioners. ² Includes fees of optometrists and expenditures for hearing aids, orthopedic appliances, artificial limbs, crutches, wheelchairs, etc. ³ Includes administrative expenses of federally financed health programs.

Source: U.S. Health Care Financing Administration, *Health Care Financing Review*, Summer 1987.

**NO. 138. HEALTH SERVICES AND SUPPLIES—PER CAPITA NATIONAL AND PRIVATE CONSUMER
EXPENDITURES, BY OBJECT: 1970 TO 1986**

(In dollars, except percent. Based on Social Security Administration estimates of total U.S. population as of July 1, including Armed Forces and Federal employees abroad and civilian population of outlying areas. Excludes research and construction. See also *Historical Statistics, Colonial Times to 1970*, series B 222-232)

OBJECT OF EXPENDITURE	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Total, national	324	553	876	1,084	1,182	1,388	1,410	1,533	1,647	1,772
Average annual percent change ¹	11.4	11.3	12.2	14.5	14.7	11.9	9.4	8.7	7.4	7.6
Hospital care	130	233	373	432	501	563	606	636	676	720
Physicians' services	87	111	173	189	230	257	282	308	335	369
Dentists' services	22	37	57	66	73	81	90	101	110	119
Other professional services ²	7	12	20	24	29	33	38	45	50	56
Drugs and drug sundries	37	53	74	80	87	92	101	108	118	122
Eyeglasses and appliances ³	9	14	20	22	22	24	26	28	30	33
Nursing home care	22	45	76	87	100	111	121	130	141	153
Other health services	10	17	22	25	28	31	34	39	44	48
Net cost of insurance and administration ³	13	18	37	39	45	56	71	92	98	98
Government public health activities	7	14	25	31	38	39	41	45	50	54
Total, private consumer²	283	317	506	576	660	742	818	898	963	1,030
Hospital care	80	102	169	198	232	260	281	292	303	328
Physicians' services	53	62	128	145	167	187	202	221	237	260
Dentists' services	21	35	56	63	70	78	87	98	107	118
Other professional services ²	6	9	15	18	21	24	27	31	35	40
Drugs and drug sundries	35	49	67	73	79	84	92	98	105	110
Eyeglasses and appliances ²	9	13	18	19	20	21	21	23	24	26
Nursing home care	11	19	32	38	46	52	58	65	72	79
Net cost of insurance	7	9	22	22	25	36	48	68	69	71

¹ Change from prior year shown; for 1970 from 1965. For explanation of average annual percent change, see Guide to Tabular Presentation. ² See footnotes for corresponding objects in table 137. ³ Represents direct patient payments and private health insurance.

**NO. 139. PERSONAL HEALTH CARE—THIRD PARTY PAYMENTS AND PRIVATE CONSUMER
EXPENDITURES: 1970 TO 1986**

(In billions of dollars, except percent. See headnote, table 140)

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Personal health care expenditures...	65.4	117.1	189.7	219.7	254.7	268.5	314.7	341.9	371.3	404.0
Third party payments, total	38.8	79.6	133.8	168.7	182.1	208.9	228.6	243.8	266.0	287.9
Percent of total health care	59.5	67.5	70.6	71.3	71.5	72.2	71.8	71.2	71.6	71.3
Private insurance payments	15.3	31.2	56.9	67.5	78.4	89.9	98.0	104.9	113.0	122.9
Government expenditures	22.4	48.3	74.6	86.5	100.5	113.5	124.1	134.3	148.3	160.0
Philanthropy and industry	1.1	1.6	2.3	2.7	3.2	3.5	4.0	4.3	4.6	5.0
Private consumer expenditures ¹	41.8	89.3	112.7	130.5	157.9	168.5	188.7	203.9	218.3	238.0
Percent met by private insurance	36.8	45.1	50.5	51.7	51.9	53.6	52.5	51.6	51.8	51.4
Hospital care	12.9	23.0	36.5	46.6	55.2	62.4	68.2	71.6	74.9	81.7
Percent met by private insurance	75.2	81.9	83.8	83.1	81.7	82.2	80.6	78.8	80.7	79.4
Physicians' services	11.3	18.4	29.5	34.2	38.7	44.8	48.9	54.1	58.5	64.8
Percent met by private insurance	42.5	53.7	57.9	58.4	57.4	59.4	60.5	61.4	60.6	59.6

¹ Includes expenditures not shown separately. Represents direct patient payments and private health insurance. Excludes net cost of insurance.

NO. 140. PERSONAL HEALTH CARE EXPENDITURES, BY OBJECT AND SOURCE OF PAYMENT: 1986

(In millions of dollars, except as indicated. Includes Puerto Rico and outlying areas. Covers all expenditures for health services and supplies, except net cost of insurance and administration, government public health activities, and expenditures of philanthropic agencies for fund raising activities)

SOURCE	TOTAL EXPENDITURES		Hospi- tal care	Physi- cians' serv- ices	Den- tists' serv- ices	Other profes- sional serv- ices ¹	Drugs and drug sun- dries	Eye- glasses and appli- ances ²	Nurs- ing home care	Other health serv- ices
	Total	Per cap- ita ¹ (dol.)								
Total	484,046	1,630	179,879	91,961	28,847	14,081	38,851	3,181	38,148	11,899
Direct patient payments.....	116,126	406	18,818	11,184	18,084	6,249	22,899	5,486	19,448	-
Third party payments.....	287,917	1,154	162,781	66,782	10,583	7,842	7,883	2,885	18,701	11,899
Private health insurance.....	122,913	493	84,903	38,870	9,915	3,670	4,477	988	312	-
Government.....	158,985	641	95,893	27,061	648	4,047	3,207	1,718	18,114	8,487
Philanthropy.....	5,020	20	2,188	51	-	124	-	-	275	2,402
Private³	344,861	976	28,986	64,868	28,689	18,044	27,344	6,482	38,633	2,482

- Represents zero. ¹ For basis of per capita figures, see headnote, table 138. ² See footnotes for corresponding objects in table 137. ³ Covers direct patient payments, private health insurance, and philanthropy and industry.

Source of tables 138-140: U.S. Health Care Financing Administration, *Health Care Financing Review*, Summer 1987

No. 141. GOVERNMENT EXPENDITURES FOR HEALTH SERVICES AND SUPPLIES: 1980 AND 1986

[In millions of dollars, except percent. Includes Puerto Rico and outlying areas. Excludes medical research and construction]

YEAR AND OBJECT OF EXPENDITURE	TOTAL ¹		FEDERAL		State and local	Medicare ² (OASDHI)	Public assistance ³	OTHER HEALTH SERVICES		
	Amount	Per-cent distribution	Total	Per-cent of total				Veterans	De-fense Dept. ⁴	Workers' compensation ⁵
1980, total ¹	97,806	100.0	65,762	67.4	31,744	36,814	26,127	5,939	4,367	5,151
Hospital care.....	53,927	55.3	41,065	76.2	12,842	25,916	10,211	4,922	3,426	1,993
Physicians' services.....	12,614	12.9	9,644	78.5	2,970	7,906	2,597	59	121	1,656
Nursing home care.....	11,189	11.5	6,039	54.0	5,150	396	10,431	362	-	-
Drugs and sundries.....	1,614	1.7	804	49.8	610	-	1,489	13	14	78
Administration.....	3,754	3.9	2,024	53.9	1,730	1,118	1,266	49	32	1,225
Public health activities.....	7,294	7.5	1,266	17.4	6,028	-	-	-	-	-
1986, total ¹	179,473	100.0	126,622	70.6	62,861	77,721	46,782	(NA)		
Hospital care.....	95,693	50.4	76,507	80.0	19,186	51,702	15,822			
Physicians' services.....	27,061	14.3	22,050	81.5	5,012	18,966	3,948			
Nursing home care.....	18,114	9.5	10,140	56.0	7,973	613	15,603			
Drugs and sundries.....	3,207	1.7	1,712	53.4	1,496	-	2,858			
Administration.....	6,106	3.2	3,377	55.3	2,731	1,724	2,231			
Public health activities.....	13,360	7.1	1,399	10.5	11,961	-	-			

- Represents zero. NA Not available. ¹ Includes other items not shown separately. ² Covers hospital and medical insurance payments and administrative costs under old-age, survivors, disability and health insurance program. ³ Covers Medicaid and other medical public assistance. Includes funds paid into Medicare trust fund by States to cover premiums for public assistance recipients and medically indigent persons. ⁴ Includes care for retirees and military dependents. ⁵ Medical benefits.

Source: U.S. Health Care Financing Administration, *Health Care Financing Review*, Summer 1987.

No. 142. FEDERAL OUTLAYS FOR HEALTH, BY TYPE OF PROGRAM: 1970 TO 1988

[For fiscal year ending in year shown; see text, section 9]

TYPE OF PROGRAM	TOTAL OUTLAYS (mil. dol.)							OUTLAYS PER CAPITA ¹		
	1970	1980	1984	1986	1986	1987	1988, est.	1970	1980	1988, est.
Total outlays ²	13,913	61,754	36,819	108,911	115,973	125,354	134,163	996	8273	9546
Medicare ³	6,213	32,090	57,540	65,822	70,164	75,120	78,857	31	142	321
Health care services ⁴	3,993	18,003	24,522	26,984	28,850	32,616	36,309	20	79	148
Medicaid	2,727	14,098	20,061	22,655	24,995	27,435	30,664	13	62	125
Federal employee health benefits ..	17	608	1,342	1,221	638	1,799	1,835	(Z)	3	7
Hospital and medical care for veterans.....	1,800	6,515	6,861	9,547	9,872	10,266	10,828	9	29	44
Health research.....	1,054	3,442	4,379	4,906	5,393	5,599	6,477	5	15	26
National Institutes of Health.....	917	3,029	3,963	4,437	4,859	4,971	5,682	5	13	23
Other.....	137	413	416	471	534	626	795	1	2	3
Consumer safety.....	177	674	762	812	799	827	879	1	3	4
Education and training of health care work force.....	633	719	996	468	529	556	415	3	3	2
Research training.....	(NA)	(NA)	196	233	256	251	218	(NA)	(NA)	1
Clinical training.....	(NA)	(NA)	166	189	232	250	156	(NA)	(NA)	1
Other.....	(NA)	(NA)	28	48	41	56	41	(NA)	(NA)	(Z)
Occupational safety and health.....	49	326	367	370	366	370	396	(Z)	1	2

NA Not available. Z Less than 50 cents. ¹ Based on Bureau of the Census estimated resident population as of July. ² Includes deductions for offsetting receipts (-\$6 million in 1970 and -\$17 million in 1980). ³ Adjusted for premiums and collections. ⁴ Includes other programs, not shown separately.

Source: U.S. Office of Management and Budget, *Budget of the United States Government*, annual.

No. 143. BENEFIT EXPENDITURES OF PRIVATE HEALTH INSURANCE ORGANIZATIONS: 1970 TO 1985

[In millions of dollars. For financial data on private health insurance organizations, see table 843]

TYPE OF PLAN	1970	1975	1980	1981	1982	1983	1984	1985			
								Total	Hospital care	Physicians' services	Dental care and other
Total.....	15,320	31,223	97,504	78,400	88,929	97,980	104,863	113,000	60,463	35,470	17,967
Blue Cross-Blue Shield.....	7,060	14,192	25,487	29,209	32,144	34,396	35,522	37,540	24,174	9,996	3,426
Insurance companies.....	7,104	12,826	25,774	30,271	36,424	40,109	41,296	43,112	22,310	14,340	6,462
Independent plans.....	1,156	4,206	16,264	18,920	21,360	23,483	28,043	32,348	13,979	11,192	7,177

Source: U.S. Health Care Financing Administration, *Health Care Financing Review*, Summer 1987, and unpublished data.

NO. 144. INDEXES OF MEDICAL CARE PRICES: 1970 TO 1987

[1969-1984=100. Indexes are components of consumer price index; for explanation, see text, section 15. See *Historical Statistics of the United States* to 1957, series B 262-272 for similar data.]

YEAR	Index, total	MEDICAL CARE SERVICES					Medical care commodities ¹	ANNUAL PERCENT CHANGE					
		Total ¹	Professional services			Hospital room		Total ¹	Medical care services				Medical care commodities ²
			Total ¹	Physicians	Dental				Total ¹	Physicians	Dental	Hospital room	
1970	34.0	32.3	37.0	34.5	38.2	23.6	46.5	¹ 6.8	² 7.0	³ 7.5	⁴ 5.7	⁵ 12.9	⁶ 2.4
1971	36.1	34.7	39.4	36.9	41.7	26.5	47.3	6.2	7.4	7.0	6.4	12.3	1.7
1972	37.3	35.9	40.8	38.0	43.4	28.2	47.4	3.3	3.5	3.0	4.1	6.4	.2
1973	38.8	37.5	42.2	39.3	44.6	29.6	47.5	4.0	4.5	3.4	3.2	5.0	.2
1974	42.4	41.4	45.8	42.9	48.2	32.7	49.2	9.3	10.4	9.2	7.8	10.5	3.6
1975	47.6	46.8	50.8	48.1	53.2	36.3	53.3	12.0	12.6	12.1	10.4	17.1	8.3
1976	52.0	51.3	55.5	53.5	56.5	43.8	56.5	9.5	10.1	11.2	6.2	13.8	6.0
1977	57.0	56.4	60.0	58.5	60.8	46.6	60.2	8.6	8.9	9.3	7.8	11.5	6.5
1978	61.8	61.2	64.5	63.4	65.1	54.0	64.4	8.4	8.5	8.4	7.1	11.1	7.0
1979	67.5	67.2	70.1	69.2	70.5	60.1	69.0	9.2	9.6	9.1	8.3	11.3	7.1
1980	74.9	74.8	77.9	76.5	78.9	66.0	75.4	11.0	11.3	10.5	11.9	13.1	9.3
1981	82.9	82.8	85.9	84.9	86.5	78.1	83.7	10.7	10.7	11.0	9.6	14.9	11.0
1982	92.5	92.6	95.2	92.9	93.1	90.4	92.3	11.8	11.8	9.4	7.6	15.7	10.3
1983	100.6	100.7	99.6	100.1	99.4	100.6	100.2	8.8	8.7	7.8	6.9	11.9	8.6
1984	108.6	106.7	107.0	107.0	107.5	109.0	107.5	6.2	6.0	6.9	8.1	8.3	7.3
1985	113.5	113.2	113.5	113.3	114.2	115.4	115.2	6.3	6.1	5.9	8.2	5.9	7.2
1986	122.0	121.9	120.8	121.5	120.6	122.3	122.6	7.5	7.7	7.2	5.6	6.0	6.6
1987	130.1	130.0	126.8	130.4	128.8	131.1	131.0	6.6	6.6	7.3	6.8	7.2	6.7

¹ Includes other services, not shown separately. ² Prior to 1978, covers drugs and prescriptions only. ³ Change from 1969.
Source: U.S. Bureau of Labor Statistics, *CPI Detailed Report*, January 1988, and unpublished data.

NO. 145. AVERAGE ANNUAL EXPENDITURES OF CONSUMER UNITS FOR HEALTH CARE: 1980 TO 1986

[In dollars, except percent. See text, section 14, and headnote, table 708. For average weekly expenditures for nonprescription drugs, see table 709.]

ITEM	HEALTH CARE, TOTAL		Health insurance	Medical services	Prescription drugs, medical supplies	PERCENT DISTRIBUTION			
	Amount	Percent of total expenditures				Health care, total	Health insurance	Medical services	Prescription drugs, medical supplies
URBAN CONSUMER UNITS									
1980	\$730	4.4	8216	\$401	\$113	100.0	29.8	54.9	15.6
1981	782	4.3	222	413	127	100.0	29.1	54.2	16.7
1982	833	4.6	281	438	134	100.0	31.4	62.6	16.1
1983	889	4.8	285	488	146	100.0	32.8	60.7	16.6
1984	945	4.8	363	461	162	100.0	36.8	47.8	15.6
1985	1,011	4.4	357	469	181	100.0	35.3	46.6	16.9
1986	1,045	4.5	368	608	169	100.0	34.3	48.6	17.2
ALL CONSUMER UNITS									
1984	891	4.7	370	454	157	100.0	37.7	46.3	16.0
1985	1,037	4.7	375	489	166	100.0	36.2	47.8	16.0
1986	1,062	4.7	371	602	169	100.0	34.9	47.3	17.6
Age of reference person:									
Under 25 years old	336	2.4	106	174	54	100.0	32.1	61.8	16.1
25-34 years old	686	3.0	231	367	89	100.0	33.7	63.5	13.0
35-44 years old	1,005	3.4	313	548	146	100.0	31.1	54.3	14.6
45-54 years old	1,172	3.8	395	545	232	100.0	33.7	46.5	19.8
55-64 years old	1,303	5.6	446	609	280	100.0	34.2	46.8	20.0
65-74 years old	1,537	9.1	631	694	312	100.0	41.1	38.8	20.3
75 years old and over	1,781	15.0	653	765	343	100.0	37.1	43.4	19.6
Region of residence:									
Northeast	1,070	4.6	305	589	176	100.0	29.5	55.0	16.4
Midwest	966	4.7	393	413	160	100.0	36.5	41.5	19.1
South	1,114	5.2	401	489	214	100.0	36.0	44.8	19.2
West	1,046	4.2	396	525	157	100.0	34.9	50.2	16.0
Size of consumer unit:									
One person	716	5.4	238	350	129	100.0	33.2	45.9	16.0
Two persons	1,240	5.3	479	518	243	100.0	36.5	41.6	19.9
Three persons	1,128	4.3	375	557	196	100.0	33.2	48.3	17.3
Four persons	1,196	3.9	398	621	190	100.0	33.2	51.6	15.0
Five persons	1,230	4.2	399	636	196	100.0	32.4	51.6	15.9
Six persons or more	1,162	4.0	376	573	200	100.0	32.6	48.7	17.4
Income before taxes:									
Complete income reporters ¹	1,071	4.6	375	606	191	100.0	35.0	47.2	17.6
Quintiles of income:									
Lowest 20 percent	710	6.3	267	300	143	100.0	37.8	42.3	20.1
Second 20 percent	925	6.7	375	344	206	100.0	40.5	37.2	22.3
Third 20 percent	1,129	6.7	396	506	179	100.0	35.3	48.8	15.9
Fourth 20 percent	1,176	4.2	398	636	182	100.0	35.7	47.1	17.2
Highest 20 percent	1,471	2.4	436	609	239	100.0	29.6	54.4	16.0
Incomplete reporters of income	960	5.1	344	470	166	100.0	35.1	48.0	16.9

¹ A complete reporter is a consumer unit providing values for at least one of the major sources of income.
Source: U.S. Bureau of Labor Statistics, *Consumer Expenditure Survey: Interview Survey*, annual.

NO. 146. HEALTH INSURANCE COVERAGE STATUS, BY SELECTED CHARACTERISTICS: 1985

[Data represents monthly averages for fourth quarter 1985. Government health insurance includes Medicare, Medicaid, or military plans. Based on Survey of Income and Program Participation; see text, p. 416. For composition of regions see fig. inside front cover]

CHARACTERISTIC	NUMBER (mil.)						PERCENT				
	Total	Covered by private or Government health insurance				Not covered by health insurance	Total	Covered by private or Government health insurance			Not covered by health insurance
		Total ¹	Covered by private insurance		Covered by Medicaid			Total ¹	Private	Covered by Medicaid	
			Total	Related to employment ²							
Total persons ³	234.5	204.2	199.1	147.1	17.3	21.2	100.0	89.7	79.8	7.3	10.3
Male.....	114.2	97.5	97.5	73.2	6.4	16.7	100.0	86.4	78.8	6.6	14.1
Female	121.4	106.8	92.6	73.8	10.8	14.5	100.0	89.0	76.3	8.9	12.1
White	200.1	175.2	199.3	129.8	10.1	24.8	100.0	87.8	79.8	6.0	12.2
Black	28.5	23.0	18.9	13.2	6.2	6.5	100.0	80.7	65.7	21.9	18.1
Hispanic origin ⁴	14.2	10.4	7.8	7.0	2.9	3.8	100.0	79.0	65.2	15.9	27.1
Under 18 years	55.8	47.0	39.3	34.6	7.2	6.8	100.0	54.5	70.8	13.0	15.1
18-24 years	34.6	27.2	24.4	18.0	2.8	7.4	100.0	76.6	70.7	7.6	21.1
25-34 years	41.4	34.8	32.1	29.1	2.2	6.8	100.0	89.8	77.5	5.4	16.4
35-44 years	32.1	28.8	28.8	24.4	1.3	3.5	100.0	89.1	83.4	4.1	16.1
45-54 years	22.5	20.2	18.9	16.8	.9	2.3	100.0	89.9	84.2	3.9	16.1
55-64 years	22.1	19.8	18.0	14.6	.8	2.6	100.0	88.6	81.3	3.7	11.2
65 years and over	27.2	27.1	20.5	8.7	2.1	.2	100.0	88.4	75.3	7.7	.1
Northeast	50.7	48.1	41.3	34.3	3.8	4.8	100.0	90.9	81.4	7.8	9.1
Midwest	60.8	54.2	48.5	39.1	4.7	6.6	100.0	89.2	79.6	7.7	10.2
South	79.8	68.9	68.5	47.7	5.0	12.8	100.0	89.8	73.3	6.3	16.3
West	44.2	37.0	31.8	25.9	3.7	7.2	100.0	83.7	71.9	6.3	16.3

¹ Includes other Government insurance, not shown separately. ² Related to current or prior employment of self or other family members. ³ Includes other races, not shown separately. ⁴ Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, Current Population Reports, series P-70, No. 8 and unpublished data.

NO. 147. PRIVATE HEALTH INSURANCE—PERSONS COVERED FOR SPECIFIED BENEFITS: 1980 TO 1986

[In millions, except percent. As of December 31. Beginning 1976, includes Puerto Rico and outlying areas. For persons covered under Federal Government programs, see tables 146, 574, and 598. See also *Historical Statistics, Colonial Times to 1975*, series B 401-412, for persons covered]

BENEFIT AND TYPE OF PLAN	1980	1981	1982	1983	1984	1985	1986
Hospital expense:							
Persons covered, net ¹	122.5	136.7	158.6	178.2	199.0	198.3	191.1
Percent of population covered ²	68.8	72.4	78.7	82.1	82.6	81.9	81.7
Blue Cross-Blue Shield plans.....	58.1	63.3	76.1	86.4	96.7	98.8	92.0
Insurance companies, net ^{1,4}	60.2	77.8	80.7	99.5	107.3	108.4	112.7
Group policies ⁴	54.4	65.4	80.5	97.2	99.1	105.4	107.0
Individual and family policies.....	22.2	26.4	28.7	30.1	34.1	25.6	29.9
Other plans ⁵	6.0	7.0	6.1	13.1	33.2	40.3	48.2
Surgical expense:							
Persons covered, net ¹	111.5	130.5	151.4	169.0	178.2	175.0	180.3
Percent of population covered ²	62.6	68.1	75.0	77.9	77.8	76.4	77.1
Blue Cross-Blue Shield plans.....	50.3	53.9	66.0	77.8	73.6	71.8	68.6
Insurance companies, net ^{1,4}	68.1	75.2	85.7	92.1	101.0	102.0	105.6
Group policies ⁴	65.5	65.5	81.5	88.0	100.6	105.5	108.0
Individual and family policies.....	16.0	17.7	18.0	18.5	17.6	12.4	14.5
Other plans ⁵	7.3	8.7	10.5	15.6	36.9	44.8	52.7
Major medical expense:⁶							
Persons covered, net ¹	32.6	69.7	103.5	134.1	153.6	153.7	160.1
Blue Cross-Blue Shield plans.....	3.7	14.6	24.9	42.1	45.0	46.6	47.0
Insurance companies, net ^{1,4}	25.4	53.0	77.1	92.2	105.4	104.9	109.7
Group policies ⁴	26.5	55.4	82.0	96.7	113.0	113.2	116.2
Individual and family policies.....	1.6	4.6	5.4	7.3	7.3	6.5	8.0
Other plans ⁵	(NA)	(NA)	(NA)	(NA)	27.7	33.7	42.6
Physician's expense:							
Persons covered, net ¹	63.2	109.8	139.7	166.3	189.5	184.1	171.6
Percent of population covered ²	46.7	57.2	68.7	77.8	74.0	70.9	73.4
Dental expense:							
Persons covered, net ¹	(NA)	(NA)	12.0	30.3	60.5	64.8	65.3
Percent of population covered ²	(NA)	(NA)	5.9	14.0	36.1	36.6	40.6

NA Not available. ¹ Duplication among persons protected by more than one kind of insuring organization or more than one insurance company policy providing the same type of coverage has been eliminated. ² Based on Bureau of the Census estimated civilian population as of July. ³ Estimated. ⁴ Includes persons covered under administrative services only and minimum premium plans. ⁵ Includes self-insured plans, self-administered plans, plans employing third party administrators, and Health Maintenance Organizations. ⁶ Coverage provides protection against especially heavy medical bills resulting from "catastrophic" or prolonged illness and is used to supplement basic medical care insurance or as a comprehensive integrated program providing both basic and major medical protection, including charges for private duty nursing, drugs, and medical appliances. Beginning 1983, covers only persons under age 65.

Source: Health Insurance Association of America, Washington, DC, *Source Book of Health Insurance Data*, annual.

NO. 148. HEALTH MAINTENANCE ORGANIZATIONS (HMO)—NUMBER AND ENROLLMENT, BY TYPE AND SIZE OF ORGANIZATION: 1976 TO 1987

(As of June 30, except as noted. Under the Health Maintenance Organization Act, an HMO must have four characteristics: (1) an organized system for providing health care in a geographic area, for which the HMO is responsible for providing or otherwise assuring its delivery; (2) an agreed upon set of basic and supplemental health maintenance and treatment services; (3) a voluntarily enrolled group of people; and (4) community rating. A group HMO contracts with one or more medical groups to provide services to members and generally provides all services except hospital care under one roof. Data for group model HMOs include staff model HMOs (a model in which the HMO hires its own physicians) and network HMOs (an HMO that provides comprehensive health services to members in two or more distinct geographic areas. Individual practice association (IPA) HMO contracts with a physician organization that in turn contracts with individual physicians. IPA physicians provide care to HMO members from their private offices and continue to see their fee-for-service patients.)

TYPE OF PRACTICE AND SIZE	1976	1977	1978	1979	1980	1981	1982	1983	1984 (Dec.)	1985	1986	1987
NUMBER OF PLANS												
Total	176	196	268	216	286	343	386	399	337	393	686	982
Group	134	125	133	136	139	153	166	181	195	212	250	246
IPA	41	40	70	79	97	90	97	96	142	181	346	417
Less than 15,000 members	126	108	127	135	144	131	122	137	143	171	315	325
15,000-24,999 members	15	18	37	54	36	41	46	42	46	56	63	88
25,000-49,999 members	12	13	16	25	28	39	46	61	78	79	107	100
50,000-99,999 members	7	4	5	7	15	15	13	19	40	51	67	68
100,000 members or more	10	11	12	14	13	17	18	21	31	36	47	62
ENROLLMENT (1,000)												
Total	6,616	6,331	7,471	6,228	6,100	10,396	16,331	12,491	16,743	18,884	23,864	26,887
Group	5,627	5,817	6,420	6,042	7,406	8,661	9,361	10,602	13,075	14,247	16,210	17,661
IPA	390	413	1,051	1,294	1,694	1,562	1,471	1,889	3,667	4,646	8,454	11,326
Less than 15,000 members	620	590	703	733	870	636	639	674	975	1,020	1,514	1,797
15,000-24,999 members	297	365	725	663	732	799	919	842	667	1,101	1,220	1,661
25,000-49,999 members	385	415	548	627	607	1,305	1,561	2,062	2,669	2,613	3,791	3,564
50,000-99,999 members	565	308	399	430	676	1,039	852	1,257	2,577	3,315	4,626	6,343
100,000 members or more	4,210	4,495	5,095	5,553	5,615	6,269	6,690	7,455	9,825	10,646	12,311	15,202

Source: Group Health Association of America, Inc., Washington, DC, releases, and interview, Excelsior, MN, *The Interview Edge*, Fall 1987 and earlier publications (copyright).

NO. 149. PHYSICIANS, DENTISTS, AND NURSES: 1960 TO 1986

(Physicians, dentists, and nurses as of end of year. Data for physicians include Puerto Rico and outlying areas. See also *Historical Statistics, Colonial Times to 1870*, series B 275-290.)

ITEM	Unit	1960	1970	1975	1980	1981	1982	1983	1984	1985	1986
Physicians, number ¹	1,000	275	346	408	487	505	523	642	(NA)	677	694
Rate per 100,000 population ²	Rate	151	166	187	211	217	222	226	(NA)	237	246
Doctors of medicine ³	1,000	260	334	394	468	486	502	520	(NA)	553	569
Active non-Federal ⁴	1,000	220	291	312	397	411	430	447	(NA)	475	484
Rate per 100,000 population ^{4,5}	Rate	126	137	143	172	177	184	190	(NA)	201	202
Active foreign medical school graduates ⁶	1,000	(NA)	54	(NA)	82	90	96	100	(NA)	105	107
Doctors of osteopathy	1,000	14	14	15	16	20	21	22	23	24	25
Medical and osteopathic schools ⁷	Number	91	107	123	140	142	142	142	142	142	142
Students ⁷	1,000	32.0	39.7	57.2	70.1	71.6	72.6	73.5	73.6	73.2	72.6
Graduates ⁷	1,000	7.6	8.6	13.4	16.2	16.6	17.0	17.1	17.6	17.8	17.7
Newly licensed physicians, total ^{8,9}	1,000	8.0	11.0	16.9	18.2	18.6	17.6	20.8	18.3	16.3	19.6
Percent of total active M.D.'s ¹⁰	Percent	(NA)	3.5	4.6	4.2	4.2	4.1	4.3	(NA)	3.6	3.6
Graduates of—											
U.S. and Canadian medical schools	1,000	6.8	6.0	10.6	14.6	15.7	13.4	15.8	14.2	15.3	16.7
Foreign medical schools	1,000	1.4	3.0	6.0	3.3	3.1	4.2	4.9	4.1	3.0	2.9
Percent of total newly licensed	Percent	17.7	27.3	35.4	18.2	16.6	23.8	23.1	22.3	16.7	15.0
Dentists, number	1,000	166	198	127	141	144	147	188	183	186	166
Active (inc. in Federal service)	1,000	95	96	107	121	124	127	130	133	136	136
Rate per 100,000 population ²	Rate	47	47	50	54	54	55	56	57	57	57
Dental schools ¹⁰	Number	47	53	59	60	60	60	60	60	60	60
Students ¹⁰	1,000	13.6	16.0	20.1	22.5	22.6	22.2	21.4	20.6	19.6	18.7
Graduates ¹⁰	1,000	3.3	3.7	5.0	5.3	5.6	5.4	5.6	5.3	5.4	5.0
Nurses, number (active registered)	1,000	627	759	961	1,273	1,327	1,390	1,438	1,486	1,544	1,609
Rate per 100,000 population ²	Rate	293	368	446	580	576	586	615	629	647	661
Nursing programs ¹¹	Number	1,126	1,340	1,362	1,365	1,401	1,432	1,466	1,477	1,473	1,469
Students ¹¹	1,000	116	163	246	231	235	242	251	237	218	194
Graduates ¹¹	1,000	30	46	77	76	74	74	77	80	82	77

NA: Not available. ¹ Includes not classified, inactive, and Federal physicians. ² Based on Bureau of the Census resident population estimates as of July 1. ³ Excludes non-Federal physicians with temporary foreign addresses; see footnote, table 180. ⁴ Excludes nonclassified physicians. ⁵ Based on Bureau of the Census civilian population estimates as of July 1. ⁶ Foreign medical graduates exclude graduates of Canadian schools. ⁷ Based on data from annual surveys conducted by the Association of American Medical Colleges and the American Association of Colleges of Osteopathic Medicine. ⁸ Source: American Medical Association, Chicago, IL, *U.S. Medical Licensure Statistics, 1984 and Licensure Requirements, 1985*, and *Physician Characteristics and Distribution in the U.S.*, annual. (Copyright.) ⁹ Excludes M.D.'s with unknown addresses. Includes those not classified. ¹⁰ Based on data from the American Dental Association, Council on Dental Education, *Annual Report on Dental Education*. ¹¹ Number of programs and students are as of October 15 and number of graduates are for academic year ending in year shown; from National League for Nursing, *NLN Data Book*, annual issues.

Source: Except as noted, U.S. Dept. of Health and Human Services, Health Resources and Services Administration, unpublished data. Prior to 1980, data were published by U.S. National Center for Health Statistics in *Health Resources Statistics*, annual.

NO. 150. PHYSICIANS, BY TYPE OF PRACTICE: 1970 TO 1986

[As of December 31. Includes Puerto Rico and outlying areas. Excludes 4,148 non-Federal physicians with temporary foreign addresses in 1970, 5,569 in 1975, 6,765 in 1980, 6,299 in 1981, 174 in 1982, 7,039 in 1983, 7,514 in 1985 and 6,072 in 1986]

TYPE OF PRACTICE	NUMBER (1,000)								PERCENT DISTRIBUTION				
	1970	1975	1980	1981	1982	1983	1985	1986	1970	1975	1980	1985	1986
All physicians	348.3	408.0	486.5	504.7	522.5	541.1	575.7	584.7	100	100	100	100	100
Doctors of medicine ¹	334.0	383.7	467.7	485.1	502.0	519.5	552.7	560.2	96	94	96	96	96
Active M.D.s ²	311.2	368.4	435.5	444.9	462.9	479.4	511.0	519.4	89	90	90	89	89
Non-Federal ³	301.3	359.7	443.5	460.1	479.2	495.9	528.2	544.3	87	88	91	92	91
Patient care	255.0	287.8	361.9	373.8	383.3	405.1	431.5	444.7	73	70	74	75	74
Office based ⁴	188.9	213.3	271.2	285.5	297.5	308.3	329.0	325.5	54	52	56	57	56
General practice ⁵	50.8	48.3	47.7	49.4	50.4	51.4	53.9	53.5	12	11	10	9	9
Specialty	138.1	167.0	223.5	237.1	247.1	257.0	275.2	272.1	40	41	45	46	44
Training programs	45.8	53.5	59.6	60.5	66.7	70.6	72.2	65.4	13	13	12	13	11
Full-time hospital staff	20.3	21.0	21.0	20.6	20.1	20.2	20.3	20.3	6	5	5	5	5
Other professional activity	28.3	24.3	35.2	37.3	38.6	39.3	44.0	39.1	8	6	7	8	7
Retired, not in practice	19.6	21.4	25.7	35.0	35.7	35.9	36.8	40.8	6	5	5	7	7
Federal	29.5	26.2	17.8	19.6	19.5	19.4	21.6	21.9	8	7	4	4	4
Patient care ⁷	23.5	24.1	14.6	15.7	15.4	15.3	17.3	17.4	7	9	3	3	3
Full-time hospital staff	14.6	17.7	11.4	11.4	11.4	11.1	12.9	12.9	4	4	2	2	2
Other professional activity	8.0	4.1	3.2	4.1	4.1	4.0	4.3	4.5	2	1	1	1	1
Doctors of osteopathy ⁸	14.3	15.4	18.8	19.6	20.5	21.6	24.6	23.5	4	4	4	4	4

¹ Includes physicians with unknown addresses and those not classified, not shown separately. ² Excludes physicians c unknown addresses. ³ Includes physicians inactive and not classified. Excludes unknown addresses. ⁴ Covers all physician rendering patient care (or patient services by pathologists) in solo, partnership, group practice, or other arrangement and those in industry, insurance companies, health plans, laboratories, etc. ⁵ Includes family practice. ⁶ Includes 7,529 clinical fellows. ⁷ Includes Federal physicians in office-based practice and training programs. ⁸ Source: American Osteopathic Association Chicago, IL.

Source: Except as noted, 1970 and 1975, U.S. National Center for Health Statistics, *Health Resources Statistics*, annual; American Medical Association, Chicago, IL, thereafter, *Physician Characteristics and Distribution in the U.S.*, annual (copyright).

NO. 151. NON-FEDERAL PHYSICIANS, 1980 AND 1986, AND DENTISTS, 1986—STATES

[As of Dec. 31. Excludes doctors of osteopathy, Federal physicians and dentists, and physicians with addresses unknown. Includes all physicians not classified according to activity status. For composition of regions, see fig. 1, inside front cover]

REGION, DIVISION, AND STATE	ACTIVE PHYSICIANS				ACTIVE DENTISTS, ² 1986		DIVISION AND STATE	ACTIVE PHYSICIANS				ACTIVE DENTISTS, ² 1986	
	Total		Rate ¹		Total	Rate ¹		Total		Rate ¹		Total	Rate ¹
	1980	1986	1980	1986				1980	1986	1980	1986		
U.S.	413,682	481,803	184	205	137,980	57	Se. Atl.	85,807	91,942	180	203	18,530	48
Regions							DE	949	1,180	151	188	290	46
Northeast	112,382	132,083	229	265	34,330	69	MD	11,210	13,879	269	317	2,980	67
Midwest	94,444	107,317	181	181	35,610	60	DC	3,474	3,582	551	579	570	92
South	119,770	148,851	194	181	38,330	47	VA	9,154	11,331	178	202	3,020	54
West	87,006	103,452	204	215	29,630	51	WV	2,610	3,117	134	163	900	47
N. Eng.	28,538	34,673	340	276	8,898	99	NC	5,874	10,755	153	173	2,880	43
ME	1,080	1,976	151	170	590	60	SC	4,129	5,052	135	158	1,420	43
NH	1,490	1,870	182	183	580	54	GA	7,728	9,863	143	184	2,820	43
VT	1,067	1,294	213	239	340	63	FL	17,479	23,063	181	199	5,070	44
MA	15,564	18,390	272	316	4,390	75	E. So. Cent.	19,509	23,508	194	188	7,188	47
RI	1,068	2,285	211	236	510	62	KY	4,620	5,754	133	156	2,010	54
CT	7,730	8,058	250	265	2,430	79	TN	7,169	8,673	157	181	2,890	55
Mid. Atl.	82,843	97,210	226	261	28,898	68	AL	4,856	5,003	125	147	1,830	40
NY	46,608	53,606	267	302	13,130	74	MS	2,864	3,176	107	122	920	35
NJ	13,937	17,391	190	229	5,200	68	W. So. Cent.	34,854	43,203	147	182	11,818	43
PA	22,098	26,213	186	221	7,200	60	AR	2,772	3,342	122	141	940	40
E. No. Cent.	67,453	78,621	162	184	24,988	69	LA	6,501	7,999	156	179	1,940	43
OH	17,458	20,145	182	188	6,060	58	OK	3,650	4,631	129	142	1,490	45
IN	7,022	8,045	128	148	2,870	48	TX	21,531	27,231	153	185	7,240	44
IL	20,685	23,772	163	206	7,040	61	Br.	18,487	22,378	164	173	7,140	56
MI	14,828	16,188	158	177	5,880	64	MT	1,040	1,173	133	144	530	65
WI	7,462	8,471	159	177	3,350	70	ID	1,007	1,185	107	119	550	55
W. No. Cent.	26,991	30,686	158	178	10,830	61	WY	530	640	114	127	280	55
MN	7,718	8,717	169	207	2,980	70	CO	5,864	6,404	199	199	2,100	65
IA	3,657	4,026	126	141	1,720	60	NM	1,972	2,426	153	166	700	48
MO	7,979	9,381	163	186	2,780	55	AZ	4,814	6,125	179	186	1,440	44
ND	884	1,051	136	157	370	55	UT	2,373	2,904	153	175	1,110	67
SD	708	807	112	129	380	54	NV	1,097	1,519	139	159	430	45
NE	2,319	2,573	148	162	1,130	71	Pac.	88,598	91,074	218	230	22,490	63
KS	3,688	4,041	157	166	1,270	52	WA	7,381	8,915	181	202	3,080	70
							OR	4,780	5,177	181	192	2,020	75
							CA	54,082	64,086	231	240	16,440	61
							AK	481	686	130	137	290	57
							HI	1,885	2,221	208	221	660	65

¹ Per 100,000 civilian population. Based on U.S. Bureau of the Census estimates as of April 1 for 1980, and as of July 1 for 1986. ² Source: Based on data supplied by American Dental Association, Bureau of Behavioral and Economic Research.

Source: Except as noted, American Medical Association, Chicago, IL, *Physician Characteristics and Distribution in the U.S.*, annual (copyright); and U.S. Dept. of Health and Human Services, Health Resources and Services Administration, unpublished data.

NO. 152. PHYSICIANS, BY SEX, SPECIALTY, AND MAJOR PROFESSIONAL ACTIVITY: 1970 TO 1986

[In thousands, except percent. As of December 31. Includes Puerto Rico and outlying areas]

SPECIALTY	1970		1975, total	1980, total	1985, total	1986						Other professional ²
	Total	Per-cent				Total		Patient care			Other professional ²	
						Number	Per-cent	Total	Of- fice-based	Hospital-based Full-time			Resi- dents^{1}
Total ³	234.9	100.0	293.7	457.7	622.7	696.2	100.0	492.1	227.6	46.4	86.7	49.8
Male	(NA)	(NA)	268.1	413.4	472.0	482.5	69.3	391.8	200.4	37.6	84.8	37.2
Female	(NA)	(NA)	25.6	54.3	150.7	213.7	30.7	100.3	27.2	9.8	1.9	12.6
General practice	57.8	17.3	54.8	60.0	67.1	67.7	11.9	65.8	54.1	4.0	7.5	2.1
Internal medicine	41.9	12.5	54.3	71.5	80.4	81.3	18.0	81.2	62.6	6.9	21.8	10.2
Pediatrics	17.9	5.4	21.7	29.3	35.6	36.5	6.4	33.1	22.6	3.2	7.3	3.4
General surgery	29.8	8.9	31.8	34.0	38.2	37.2	8.5	35.0	23.6	2.7	9.3	1.8
Obstetrics, gynecology	18.5	5.7	21.7	26.3	30.9	31.4	5.5	30.2	23.6	1.7	4.9	1.1
Orthopedic surgery	8.8	2.9	11.4	14.0	17.2	17.7	3.1	17.2	13.1	1.0	3.2	.4
Ophthalmology	9.9	3.0	11.1	13.0	14.9	15.2	2.7	14.7	12.1	.8	2.0	.5
Psychiatry	21.1	8.3	23.9	27.5	32.3	32.7	5.7	29.4	18.2	5.8	5.3	3.3
Anesthesiology	10.1	3.0	12.9	16.0	22.0	23.1	4.1	22.1	15.3	2.6	4.2	1.1
Pathology	10.3	3.1	11.7	13.4	15.5	15.5	2.7	12.4	6.6	3.2	2.7	3.1
Pathology	10.5	3.1	11.5	11.7	10.1	8.3	1.5	7.8	6.1	1.3	.3	.8

NA Not available. ¹ Includes interns and, beginning 1986, clinical fellows (10,781). ² Medical teaching, administration, research, and other. ³ Includes other specialties not shown separately. ⁴ Includes physicians who are inactive, not classified, or with address unknown.

Source: American Medical Association, Chicago, IL, *Distribution of Physicians in the United States, 1970, Physician Distribution and Medical Licensure in the U.S., 1975*; and, beginning 1980, *Physician Characteristics and Distribution in the U.S.*, annual (copyright).

NO. 153. PHYSICIAN AND DENTAL VISITS BY PATIENT CHARACTERISTICS: 1970 TO 1986

[See headnote, table 175. Based on National Health Interview Survey; see Appendix B]

TYPE OF VISIT AND YEAR	TOTAL VISITS (mil.)				VISITS PER PERSON									
	Sex		Race ¹		Sex		Race ¹		Age (years)					
	Male	Female	White	Black	Male	Female	White	Black	Under 6	6 to 16	17 to 24	25 to 44	45 to 64	65 and over
Physicians: 1970	386	531	832	87	4.1	5.1	4.8	3.9	5.0	2.9	4.6	4.6	5.2	6.3
1975	436	621	929	118	4.3	5.7	5.1	4.7	5.5	3.2	4.8	5.1	5.6	6.6
1980	426	610	903	115	4.0	5.4	4.8	4.5	6.7	3.2	4.0	4.6	5.1	6.4
1985	470	664	1,018	126	4.3	5.8	5.2	4.6	6.5	3.2	4.0	4.7	5.8	7.0
1986	498	733	1,074	132	4.4	6.1	5.4	4.7	6.3	3.1	4.2	4.9	6.1	8.3
1986	515	756	1,110	131	4.5	6.2	5.5	4.6	6.3	3.2	4.2	4.7	6.6	9.1
Dentists: 1970	133	171	283	17	1.4	1.7	1.6	.8	5	1.9	1.8	1.7	1.5	1.1
1975	153	188	313	23	1.5	1.7	1.7	1.0	6	2.0	1.8	1.7	1.6	1.2
1980	168	207	333	26	1.6	1.8	1.6	1.0	5	2.3	1.6	1.7	1.6	1.4
1985	183	236	362	31	1.6	2.0	1.9	1.1	5	2.6	1.6	1.9	2.0	1.6
1986	210	250	418	37	1.9	2.2	2.1	1.4	7	2.4	1.7	2.0	2.2	2.1

¹ See footnote 2, table 175. ² Under 5. ³ 5 to 17. ⁴ 18 to 24.

Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 10, and unpublished data.

NO. 154. DIAGNOSTIC SERVICES ORDERED OR PROVIDED DURING OFFICE VISITS, BY SEX OF PATIENT: 1985

[Per 12 months ending February 1986. Based on the National Ambulatory Medical Care Survey and subject to sampling variability; see source for details]

DIAGNOSTIC SERVICE	Number of visits (1,000)	PERCENT BY SEX OF PATIENT			DIAGNOSTIC SERVICE	Number of visits (1,000)	PERCENT BY SEX OF PATIENT		
		Total	Male	Female			Total	Male	Female
All visits	698,366	100.0	100.0	100.0	Pap test	28,549	4.5	(X)	7.4
Male	229,970	38.1	42.0	32.4	Other lab test	53,514	8.4	7.7	8.9
Breast exam	49,170	8.9	.3	11.0	Blood pressure check	245,886	38.6	31.9	43.0
Rectal exam	54,864	8.8	(X)	14.2	Electrocardiogram	20,290	3.2	4.1	2.6
Visual exam	34,191	5.4	4.8	5.7	Chest X-ray	17,540	2.8	3.3	2.4
Visual study	40,946	6.4	6.9	6.1	Other radiology	37,806	5.8	6.3	5.7
Urinalysis	88,008	13.8	10.4	16.0	Ultrasound	5,998	.9	.5	1.2
Hematology	88,882	8.3	8.0	10.1	Glucose test	84,248	13.2	9.8	15.7
Blood chemistry	43,913	6.8	7.3	6.7	Other	67,778	10.7	10.3	10.9

X Not applicable.

Source: U.S. National Center for Health Statistics, *1986 Summary: National Ambulatory Medical Care Survey, Advance Data from Vital and Health Statistics*, No. 159, January 1987

NO. 155. PHYSICIANS' MEDIAN EARNINGS FROM PRACTICE: 1975 TO 1986

(In thousands of dollars. *Unincorporated*: Net earnings from practice represent residual after payment of tax-deductible professional expenses but before payment of income taxes. Covers office-based, patient-care doctors of medicine (M.D.'s). *Incorporated*: Applies to office-based, patient-care M.D.'s who are shareholders of a medical corporation. Earnings include salary bonuses (if any), and funds set aside by corporation for individual's retirement. Based on random sampling of office-based M.D.'s. 1986 data are based on 7,567 returned questionnaires from M.D.'s (31.5 percent of those mailed in 1987). For details of method, see Guide to Tabular Presentation. For composition of divisions, see fig. 1, inside front cover. See *Historical Statistical Tables to 1970*, series D 918 for physicians.)

YEAR, REGION, AND DIVISION	Gross earnings	NET EARNINGS			LOCATION OF M.D.'S OFFICE, YEARS IN PRACTICE, AND TYPE OF PRACTICE	Gross earnings	Net earnings
		Total	Incorporated	Unincorporated			
1975.....	(NA)	66.4	76.3	47.5	1986—Con.		
1980.....	132.2	83.7	86.1	83.8	Urban.....	204.3	116.
1984.....	161.3	102.0	119.0	78.8	Suburban.....	203.0	115.
1985.....	162.3	102.5	120.1	78.0	Rural.....	154.7	96.
1986.....	209.3	112.8	127.3	88.4	1-2 years.....	121.4	65.
Northeast.....	186.1	106.7	130.4	77.5	3-5 years.....	172.0	103.
New England.....	181.0	106.3	(NA)	(NA)	6-10 years.....	234.1	124.
Middle Atlantic.....	188.9	107.0	131.0	80.9	11-20 years.....	224.7	125.
Midwest.....	195.2	110.8	121.9	87.5	21-30 years.....	201.8	112.
East North Central.....	195.8	112.7	125.4	(NA)	31 years or more.....	146.5	82.
West North Central.....	194.0	105.5	117.0	(NA)	Incorporated: Solo.....	238.5	119.
South.....	199.2	118.5	132.6	78.7	2 shareholders.....	224.2	127.
South Atlantic.....	195.2	118.9	130.8	78.8	3 shareholders.....	257.1	143.
East South Central.....	225.0	125.6	(NA)	(NA)	4 or more shareholders.....	231.1	126.
West South Central.....	193.8	115.7	130.4	(NA)	Unincorporated: Solo.....	130.7	74.
West.....	218.8	118.0	123.2	85.5	Expense-sharing.....	167.5	98.
Mountain.....	206.7	97.5	(NA)	(NA)	2 or 3 partners.....	161.7	91.
Pacific.....	219.8	113.9	125.5	80.8	4 or more partners.....	170.0	98.

B Base figure too small to meet statistical standards for reliability of derived figure. NA Not available.

NO. 156. OFFICE-BASED PHYSICIANS' MEDIAN EARNINGS FROM PRACTICE, BY SPECIALTY: 1986

[See headnote, table 155. Total includes specialties not shown separately.]

SPECIALTY	Gross earnings (\$1,000)	Net earnings (\$1,000)	NET EARNINGS FROM PRACTICE—PERCENT DISTRIBUTION						
			Less than \$40,000	\$40,000-\$69,999	\$70,000-\$99,999	\$100,000-\$124,999	\$125,000-\$149,999	\$150,000-\$199,999	\$200,000 or more
M.D.'s total.....	209.3	112.8	8	15	21	17	12	15	14
Family physicians.....	181.1	83.4	5	23	38	18	6	7	1
General practitioners.....	130.0	72.8	14	32	27	13	4	7	3
General surgeons.....	227.1	122.4	5	13	15	20	13	17	17
Internists.....	180.8	95.8	5	20	26	23	19	8	6
Neurosurgeons.....	359.8	203.8	2	3	10	10	9	16	51
Obstetrician-gynecologists.....	271.8	137.8	4	10	11	16	19	21	20
Ophthalmologists.....	315.8	148.0	2	5	15	12	15	21	27
Orthopedic surgeons.....	354.0	182.8	1	3	8	10	13	22	42
Pediatricians.....	168.2	84.3	6	26	26	17	11	7	3
Plastic surgeons.....	367.2	180.2	2	4	10	12	14	15	43
Psychiatrists.....	127.9	66.7	9	23	32	14	11	6	5
Radiologists.....	187.5	147.5	7	2	8	18	16	25	23
Thoracic surgeons.....	263.8	156.5	4	8	11	13	13	23	30

Source of tables 155 and 156: Medical Economics Company, Oradell, N.J. Medical Economics. (Copyright © by Medical Economics Company; further reproduction prohibited without written permission of copyright owner.)

NO. 157. HOSPITALS AND NURSING HOMES—SUMMARY CHARACTERISTICS: 1971 TO 1986

[Except as indicated, based on National Master Facility Inventory]

YEAR AND TYPE OF FACILITY	Total	FACILITIES UNDER—			FACILITIES WITH—			Residents ² (1,000)	Full-time employees (1,000)
		Govt. control	Pro- prietary control	Non- profit control	Less than 25 beds ¹	25-74 beds	75 or more beds		
1971: All facilities.....	29,862	4,178	18,081	7,413	8,802	10,859	9,821	2,282	3,007
Nursing homes ³	22,004	1,388	17,049	3,567	8,288	8,288	5,479	1,076	986
Hospitals.....	7,878	2,810	1,042	3,828	636	2,700	4,342	1,186	2,439
1980: All facilities.....	30,116	3,428	19,811	7,007	8,552	8,573	12,891	2,427	3,919
Nursing homes ^{3,4,5}	23,085	938	18,869	3,480	8,486	6,362	8,205	1,366	1,798
Hospitals.....	7,061	2,562	942	3,547	364	2,211	4,486	1,031	3,121
1986: All hospitals ⁷	6,854	2,220	1,178	3,548	280	2,150	4,514	874	3,241
General.....	5,956	1,871	829	3,256	259	1,849	3,546	860	2,871
Psychiatric.....	584	287	218	98	12	140	432	139	348
Chronic.....	44	30	4	10	-	6	38	13	21
Tuberculosis.....	4	3	-	1	-	1	3	-	1
Nursing homes ^{3,8}	25,846	1,945	20,223	4,378	9,613	6,805	9,428	1,583	(NA)

¹ Represents or rounds to zero. NA Not available. ² For hospitals, minimum of 6 beds; for nursing homes, minimum of 3 beds. ³ Number of residents as of date of interview. ⁴ See footnote 1, table 155. ⁵ Includes 1976 data for Alaska and South Dakota. ⁶ Excludes hospital-based nursing homes; 1980 data based on the 1986 inventory of Long-Term Care Places. Data may not be strictly comparable with previous year data. ⁷ Estimated. ⁸ Includes types not shown below.

Source: U.S. National Center for Health Statistics, *Health Resources Statistics, 1971*, and unpublished data.

**NO. 158. HOSPITALS—SUMMARY CHARACTERISTICS, BY TYPE OF SERVICE AND CONTROL.
1960 TO 1986**

[Covers hospitals accepted for registration by American Hospital Association; see text, section 3. Short-term hospitals have an average patient stay of less than 30 days; long-term, an average stay of longer duration. Special hospitals include obstetrics and gynecology, eye, ear, nose, and throat; rehabilitation; orthopedic; and chronic and other special hospitals except psychiatric, tuberculosis, alcoholism, and chemical dependency hospitals. See also *Historical Statistics, Colonial Times to 1970*, series B 305-318, B 331-344, and B 413-422]

ITEM	1960	1970	1975	1980	1981	1982	1982	1984	1985	1986
Number:										
All hospitals	6,876	7,123	7,156	6,965	6,933	6,915	6,888	6,872	6,872	6,841
With 100 beds or more	2,903	3,488	3,691	3,755	3,804	3,807	3,812	3,808	3,805	3,765
Non-Federal	6,441	6,715	6,774	6,606	6,585	6,569	6,546	6,531	6,529	6,499
Short-term general and special	5,407	5,859	5,979	5,904	5,879	5,863	5,843	5,814	5,784	5,726
Nongovernmental nonprofit	3,291	3,386	3,364	3,339	3,356	3,354	3,363	3,366	3,364	3,338
For profit	856	769	775	730	729	748	757	766	805	834
State and local government	1,260	1,704	1,840	1,835	1,794	1,761	1,723	1,662	1,615	1,556
Long-term general and special	308	236	215	157	146	136	131	131	126	133
Psychiatric	488	519	544	534	549	558	564	579	610	634
Tuberculosis	238	101	36	11	11	10	8	7	7	4
Federal	435	406	382	359	348	346	342	341	343	342
Beds (1,000):										
All hospitals	1,658	1,616	1,466	1,365	1,362	1,360	1,350	1,339	1,309	1,283
Rate per 1,000 population ¹	9.3	7.9	6.8	6.0	5.9	5.9	5.8	5.7	5.5	5.4
Beds per hospital	241	227	205	196	196	197	196	195	190	188
Non-Federal	1,481	1,455	1,334	1,248	1,246	1,246	1,237	1,226	1,197	1,172
Short-term general and special	639	848	947	992	1,007	1,015	1,021	1,020	997	977
Rate per 1,000 population ¹	3.6	4.2	4.4	4.4	4.4	4.4	4.4	4.3	4.2	4.1
Nongovernmental nonprofit	446	592	659	693	706	712	718	717	702	668
For profit	37	53	73	87	88	91	94	100	104	108
State and local government	156	204	215	212	213	212	209	203	190	184
Long-term general and special	67	60	51	39	35	34	30	30	31	30
Psychiatric	722	527	330	215	202	195	185	175	169	165
Tuberculosis	52	20	6	2	2	1	1	1	1	(Z)
Federal	177	161	132	117	116	114	113	112	112	111
Occupancy rate: ²										
All hospitals	84.6	60.3	76.7	77.7	77.9	77.4	76.1	72.5	69.5	68.8
Non-Federal	(NA)	(NA)	76.3	77.4	77.8	77.2	75.7	71.9	68.9	68.3
Short-term general and special	74.7	78.0	74.8	75.4	75.9	75.2	73.4	68.9	65.2	64.6
Nongovernmental nonprofit	76.6	80.1	77.4	76.2	76.5	77.8	75.8	71.4	67.7	67.1
For profit	65.4	72.2	65.9	65.2	66.4	65.5	63.1	57.0	52.2	50.9
State and local government	71.6	73.2	69.7	70.7	71.2	70.7	70.0	65.9	63.1	62.8
Long-term general and special	66.9	82.0	82.1	85.9	86.2	87.9	86.5	86.7	86.5	86.1
Psychiatric	93.1	84.8	60.3	65.2	65.9	66.1	66.5	66.3	67.0	66.8
Tuberculosis	75.4	61.8	57.7	67.0	66.5	62.3	67.5	63.4	64.1	59.0
Federal	87.2	79.6	60.7	60.1	79.0	79.4	80.5	79.0	76.3	74.2
Expenses (bil. dol.): ³										
All hospitals	8.4	25.6	48.7	91.9	107.1	123.2	136.3	144.1	153.3	165.2
Non-Federal	7.3	23.1	44.2	84.0	98.5	113.7	125.6	133.0	141.0	152.1
Short-term general and special	5.6	19.6	39.1	77.0	90.7	105.1	116.6	123.5	130.7	140.9
Nongovernmental nonprofit	4.1	14.2	28.0	55.8	66.3	76.9	85.7	90.9	96.2	103.6
For profit .....	.3	1.1	2.6	5.8	6.9	8.2	9.2	10.3	11.5	13.0
State and local government	1.2	4.3	8.6	15.3	17.6	20.1	21.7	22.4	23.0	24.3
Long-term general and special .....	.3	.6	1.0	1.2	1.3	1.5	1.5	1.7	1.9	2.0
Psychiatric	1.2	2.7	4.0	5.8	6.4	7.0	7.4	7.7	8.3	9.1
Tuberculosis .....	.2	.2	.1	.1	.1	.1	.1	.1	.1	(Z)
Federal	1.1	2.5	4.5	7.9	8.6	9.5	10.7	11.2	12.3	13.1
Personnel (1,000): ⁴										
All hospitals	1,596	2,537	3,023	3,492	3,661	3,959	3,707	3,630	3,625	3,847
Non-Federal	1,412	2,321	2,786	3,213	3,378	3,656	3,422	3,339	3,326	3,351
Short-term general and special	1,060	1,929	2,399	2,879	3,039	3,312	3,102	3,023	3,003	3,032
Nongovernmental nonprofit	792	1,387	1,714	2,067	2,213	2,424	2,272	2,223	2,217	2,242
For profit	48	97	139	189	203	223	213	214	221	229
State and local government	241	444	546	602	622	665	618	586	565	560
Long-term general and special	55	69	68	56	61	61	53	54	56	56
Psychiatric	238	305	292	275	275	281	264	260	263	263
Tuberculosis	39	18	7	3	3	3	2	2	2	1
Federal	186	216	256	279	283	302	286	290	299	296
Personnel per 100 patients: ⁴										
All hospitals	114	196	269	329	345	376	361	374	398	413
Non-Federal	113	196	272	333	348	380	365	379	403	419
Short-term general and special	226	292	339	385	398	434	414	430	462	481
Nongovernmental nonprofit	232	292	336	385	399	438	417	434	466	487
For profit	196	256	288	334	348	374	358	375	408	423
State and local government	215	296	365	401	411	443	422	438	470	483
Long-term general and special	95	140	162	170	200	200	202	203	212	212
Psychiatric	35	68	110	150	158	167	165	172	160	163
Tuberculosis	99	146	216	290	287	334	351	342	378	365
Federal	120	169	240	297	310	335	314	327	351	360

NA Not available. Z Less than 500 beds or \$50 million. ¹ Based on Bureau of the Census estimated resident population as of July 1. ² Ratio of average daily census to every 100 beds. ³ Excludes new construction. ⁴ Includes full-time equivalents of part-time personnel.

Source: American Hospital Association, Chicago, IL *Hospital Statistics*, annual. (Copyright.)

No. 159. HOSPITAL FACILITIES—TOTAL, 1960 TO 1986, AND STATES AND PUERTO RICO, 1986

[Short-term hospitals have an average stay of less than 30 days. See also *Historical Statistics, Colonial Times to 1970*, series B 305-306 and B 359-362]

YEAR AND STATE OR OTHER AREA	NUMBER OF HOSPITALS		BEDS (1,000)		PATIENTS ADMITTED (mil.)		AVERAGE DAILY CENSUS ² (1,000)		OCCUPANCY RATE ³		Person- nel ⁴ (1,000)	Total outpa- tient visits (mil.)
	Total	Short- term ¹	Total	Short- term ¹	Total	Short- term ¹	Total	Short- term ¹	Total	Short- term ¹		
1960	6,876	5,407	1,658.0	639.1	25.0	23.0	1,401.9	477.4	84.6	74.7	1,596	(NA)
1965	7,123	5,736	1,703.5	741.3	26.6	26.5	1,402.6	563.4	82.3	76.0	1,952	125.8
1970	7,123	5,859	1,615.8	848.2	31.8	29.3	1,297.7	681.5	60.3	78.0	2,537	181.4
1971	7,097	5,865	1,555.6	866.5	32.7	30.1	1,236.8	884.8	79.5	76.7	2,599	196.7
1972	7,061	5,843	1,549.7	883.7	33.3	30.8	1,208.9	884.1	78.0	75.2	2,671	219.2
1973	7,123	5,891	1,534.7	903.3	34.4	31.8	1,189.0	681.5	77.5	75.4	2,799	233.6
1974	7,174	5,977	1,512.7	931.2	35.5	32.9	1,187.4	701.3	77.2	75.3	2,919	250.5
1975	7,156	5,979	1,485.8	947.0	36.2	33.5	1,124.9	708.1	76.7	74.8	3,023	254.8
1976	7,082	5,956	1,433.5	961.2	36.8	34.1	1,089.7	714.8	76.0	74.4	3,108	271.0
1977	7,099	5,973	1,407.1	973.9	37.1	34.4	1,065.9	716.7	75.8	73.6	3,213	263.8
1978	7,015	5,935	1,380.6	979.7	37.2	34.6	1,041.9	719.9	75.5	73.5	3,280	263.6
1979	6,968	5,923	1,371.8	987.7	37.8	35.2	1,043.4	729.0	76.1	73.8	3,362	262.0
1980	6,965	5,904	1,364.5	992.0	38.9	36.2	1,059.7	748.3	77.7	75.4	3,492	262.9
1981	6,933	5,879	1,361.5	1,006.7	39.2	36.4	1,060.9	764.4	77.9	75.9	3,661	265.3
1982	6,915	5,863	1,359.8	1,015.2	39.1	36.4	1,052.7	763.3	77.4	75.2	3,959	313.7
1983	6,888	5,843	1,350.4	1,021.4	36.9	36.2	1,027.9	750.1	76.1	73.4	3,707	273.2
1984	6,872	5,814	1,338.7	1,019.8	37.9	36.2	970.3	702.7	72.5	68.9	3,630	276.6
1985	6,872	5,784	1,306.5	996.5	36.3	33.5	909.8	650.0	69.5	65.2	3,625	282.1
1986, U.S.	6,841	5,728	1,283.0	976.9	35.2	32.4	882.6	630.6	68.8	64.6	3,647	294.6
Alabama	144	129	24.6	20.1	.7	.6	16.1	12.3	65.3	61.6	60	4.3
Alaska	28	18	2.0	1.2	.1	(Z)	1.2	.7	57.7	55.4	6	1.1
Arizona	85	62	13.1	10.1	.5	.4	8.5	6.3	65.2	62.8	42	4.5
Arkansas	100	92	13.3	11.0	.4	.4	7.9	6.3	59.4	57.0	32	2.1
California	572	479	106.0	83.1	3.3	3.0	71.4	51.5	66.1	62.0	339	30.0
Colorado	98	83	14.4	11.2	.4	.4	9.2	6.6	63.7	59.4	43	4.6
Connecticut	65	40	15.7	10.0	.4	.4	12.4	7.3	78.6	73.0	50	3.9
Delaware	13	8	3.6	2.1	.1	.1	2.8	1.5	78.1	69.1	11	.9
District of Columbia	17	12	8.2	4.7	.2	.2	6.4	3.6	78.2	76.6	30	2.0
Florida	270	225	61.2	50.8	1.8	1.7	39.7	31.6	84.9	62.2	168	11.6
Georgia	202	168	34.7	26.5	1.0	.9	23.9	17.2	66.8	64.9	96	7.6
Hawaii	26	18	3.9	2.6	.1	.1	3.0	1.9	77.2	74.4	14	1.6
Idaho	50	45	3.9	3.3	.1	.1	2.3	1.9	58.9	56.9	10	1.0
Illinois	270	237	64.1	52.2	1.8	1.7	43.1	33.4	67.2	64.1	190	14.9
Indiana	137	117	29.4	23.1	.8	.7	18.8	13.4	63.9	57.9	60	6.8
Iowa	138	128	18.1	14.8	.4	.4	11.5	8.6	83.2	58.1	43	3.3
Kansas	163	144	16.7	12.2	.4	.3	10.4	6.6	62.3	54.1	36	3.6
Kentucky	120	107	19.5	16.3	.6	.6	13.0	10.3	66.7	63.4	49	4.6
Louisiana	173	148	26.6	19.8	.7	.7	17.2	11.5	64.5	56.2	66	4.9
Maine	47	42	6.3	4.9	.2	.2	4.5	3.3	71.2	67.0	19	1.6
Maryland	64	54	22.2	14.3	.6	.5	17.4	10.5	78.5	73.3	66	5.6
Massachusetts	175	115	38.6	24.9	.9	.8	29.3	17.1	75.8	66.7	125	10.1
Michigan	216	187	44.4	36.3	1.2	1.2	30.0	23.4	67.6	64.5	141	12.6
Minnesota	176	183	26.7	21.1	.6	.5	17.8	13.4	66.7	63.4	61	3.5
Mississippi	118	106	17.0	13.0	.5	.4	10.8	7.6	63.3	56.0	37	2.3
Missouri	165	140	31.3	25.3	.9	.8	20.7	15.9	66.2	63.1	92	6.2
Montana	66	60	5.0	4.7	.1	.1	3.0	2.7	56.9	56.7	11	.8
Nebraska	106	96	11.2	9.3	.2	.2	6.8	5.3	60.4	56.6	26	1.9
Nevada	28	21	4.0	3.4	.1	.1	2.0	1.6	51.1	47.7	10	1.0
New Hampshire	39	29	4.8	3.3	.1	.1	3.2	2.1	67.8	64.3	14	1.5
New Jersey	125	98	40.2	29.5	1.1	1.1	31.7	22.0	78.7	74.7	111	8.3
New Mexico	56	38	6.6	4.1	.2	.2	4.3	2.5	65.7	59.7	19	2.6
New York	324	255	112.8	76.6	2.7	2.5	95.3	62.9	84.5	82.1	339	26.0
North Carolina	160	132	30.0	22.0	.9	.8	21.4	14.7	71.6	66.9	86	5.8
North Dakota	59	52	5.9	4.8	.1	.1	3.8	3.0	63.3	61.2	12	.8
Ohio	229	197	58.0	47.5	1.7	1.6	36.7	30.3	66.7	63.7	177	13.9
Oklahoma	141	119	16.7	13.2	.5	.4	10.0	7.4	59.8	56.3	45	3.2
Oregon	81	72	10.8	8.4	.3	.3	6.5	4.6	59.9	55.0	32	2.9
Pennsylvania	304	246	72.7	54.6	2.0	1.9	53.7	38.3	73.8	70.2	219	17.3
Rhode Island	21	14	5.2	3.4	.1	.1	4.0	2.6	77.4	75.1	18	1.2
South Carolina	90	75	15.2	11.5	.5	.4	11.1	8.0	73.0	69.0	43	3.5
South Dakota	67	56	5.8	4.6	.1	.1	3.4	2.6	59.1	56.6	11	.9
Tennessee	183	144	30.9	25.1	.9	.8	20.4	15.9	66.2	63.1	80	5.6
Texas	549	467	82.8	62.8	2.3	2.1	50.0	35.0	60.4	55.8	219	16.5
Utah	46	41	5.4	4.4	.2	.2	3.3	2.6	62.1	57.9	18	1.8
Vermont	19	16	2.8	2.1	.1	.1	2.0	1.4	71.0	67.6	8	.5
Virginia	137	100	30.7	20.5	.8	.7	21.9	13.9	71.6	67.6	83	6.4
Washington	119	104	16.6	13.0	.6	.5	10.5	7.5	62.8	57.5	52	6.3
West Virginia	70	63	11.3	9.6	.3	.3	7.3	5.8	64.8	60.4	30	2.9
Wisconsin	158	136	26.6	21.3	.7	.6	17.2	13.0	64.7	61.0	64	5.3
Wyoming	32	28	3.2	2.2	.1	.1	1.8	1.1	56.6	50.6	6	.8
Puerto Rico	63	57	10.9	8.9	.4	.4	7.6	5.6	69.5	65.6	26	3.2

NA Not available. Z Less than 50,000. ¹ Non-Federal hospitals. ² Inpatients receiving treatment each day, excludes newborn. ³ Ratio of average daily census to every 100 beds. ⁴ Includes full-time equivalents of part-time personnel.
Source: American Hospital Association, Chicago, IL, *Hospital Statistics*, annual. (Copyright.)

NO. 160. HOSPITAL USE RATES, BY TYPE OF HOSPITAL: 1970 TO 1986

[See also *Historical Statistics, Colonial Times to 1970*, series B 384-387]

TYPE OF HOSPITAL	1970	1975	1978	1980	1981	1982	1985	1984	1985	1986
Non-Federal short-term¹										
Admissions per 1,000 population ²	140	186	157	169	159	157	185	149	141	136
Admissions per bed	34	35	38	36	36	36	35	35	36	33
Average length of stay ³ (days)	6.2	7.7	7.6	7.6	7.9	7.6	7.5	7.3	7.1	7.1
Outpatient visits per admission	4.5	5.9	5.8	5.7	5.7	5.9	5.9	6.1	6.6	7.2
Outpatient visits per 1,000 population ²	841	911	906	913	901	1,084	915	917	935	963
Surgical operations (million)	(NA)	18.7	18.3	18.8	19.2	19.6	19.9	18.9	20.2	20.5
Number per admission	(NA)	.5	.5	.5	.5	.5	.5	.5	.6	.6
Psychiatric										
Admissions per 1,000 population ²	3.3	3.2	2.8	2.8	2.7	2.7	2.8	2.4	2.5	2.8
Days in hospital per 1,000 population ²	862	490	334	326	304	292	274	234	224	219

NA Not available. ¹ General and special; excludes psychiatric and tuberculous. Short-term hospitals have an average patient stay of less than 30 days. ² Based on Bureau of the Census estimated resident population as of July 1. ³ Number of inpatient days divided by number of admissions.

Sources: American Hospital Association, Chicago, IL, *Hospital Statistics*, annual (copyright); and unpublished data.

NO. 161. HOSPITAL UTILIZATION RATES, BY SEX, 1970 TO 1986, AND SELECTED CHARACTERISTICS, 1986

[Represents estimates of inpatients discharged from noninstitutional, short-stay hospitals, exclusive of Federal hospitals. Excludes newborn. Based on sample data collected from the National Hospital Discharge Survey, a sample survey of hospital records of patients discharged in year shown; subject to sampling variability. For composition of regions, see fig. 1, inside front cover]

SELECTED CHARACTERISTIC	Patients discharged (1,000)	PATIENTS DISCHARGED PER 1,000 PERSONS ¹			DAYS OF CARE PER 1,000 PERSONS ¹			AVERAGE STAY (days)			Beds used per day ²
		Total	Male	Female	Total	Male	Female	Total	Male	Female	
1970	29,127	144	118	169	1,122	982	1,251	6.0	6.7	7.6	321
1980	37,832	166	139	194	1,217	1,068	1,355	7.3	7.7	7.0	337
1983	36,783	167	139	193	1,155	1,024	1,278	6.8	7.4	6.6	316
1984	37,162	159	132	184	1,044	924	1,155	6.6	7.0	6.3	286
1985	35,056	148	124	171	954	849	1,053	6.5	6.9	6.2	261
1986, total	34,286	143	121	164	813	817	1,003	6.4	6.8	6.1	288
Under 1 year old	731	198	229	162	1,125	1,207	1,039	5.7	5.3	6.4	308
1-4 years old	644	59	67	50	218	245	189	3.7	3.7	3.8	60
5-14 years old	1,208	36	39	32	159	163	135	4.5	4.7	4.2	44
15-24 years old	4,290	112	99	105	479	342	614	4.3	5.6	3.7	131
25-34 years old	5,813	133	73	192	630	464	791	4.7	6.4	4.1	173
35-44 years old	3,554	106	91	125	620	563	675	5.7	6.2	5.4	170
45-64 years old	7,300	182	166	159	1,101	1,105	1,099	6.8	6.7	6.9	302
65-74 years old	5,141	297	324	275	2,364	2,557	2,211	8.0	7.9	8.0	648
75 years old and over	5,574	470	527	440	4,228	4,509	4,075	9.0	8.6	9.3	1,159
Region: Northeast	6,965	139	123	155	1,028	948	1,102	7.4	7.7	7.1	282
Midwest	6,931	151	129	171	1,002	910	1,089	6.8	7.0	6.3	275
South	11,892	145	120	169	863	772	986	6.1	6.4	5.9	242
West	6,478	134	108	160	735	647	820	5.5	6.0	5.1	201
Hospital ownership:											
Nonprofit	23,508	96	83	113	647	577	712	6.6	7.0	6.3	177
State, local gov't	7,121	30	25	34	175	160	189	5.9	6.4	5.5	48
Proprietary	3,618	15	13	17	91	80	102	6.0	6.3	5.8	25

¹ Based on Bureau of the Census estimated civilian population as of July 1. ² Average daily number of beds occupied per 100,000 civilian population.

Sources: U.S. National Center for Health Statistics, *Vital Health Statistics*, series 13, and unpublished data.

NO. 162. AVERAGE COST TO COMMUNITY HOSPITALS PER PATIENT, 1970 TO 1986, AND AVERAGE SEMI-PRIVATE ROOM CHARGE, 1978 TO 1986

[In dollars, except percent. Covers non-Federal short-term general or special hospitals (excluding psychiatric or tuberculous hospitals and, beginning 1975, hospital units of institutions). Total cost per patient based on total hospital expenses (payroll, employee benefits, professional fees, supplies, etc.). Data have been adjusted for outpatient visits]

TYPE OF EXPENSE AND HOSPITAL	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Average cost per day, total	74	134	189	174	194	217	245	284	327	369	411	449	501
Annual percent change ¹	12.7	12.6	14.2	13.9	11.7	11.8	12.8	16.0	15.1	12.8	11.4	10.7	8.2
Nongovernmental nonprofit	75	133	193	175	195	218	246	288	330	374	416	463	504
For profit	71	133	188	177	202	226	257	299	340	385	438	500	552
State and local government	71	136	151	171	189	212	239	274	312	348	385	433	488
Average cost per stay, total	806	1,030	1,176	1,322	1,474	1,642	1,851	2,171	2,801	2,789	2,995	3,345	3,533
Nongovernmental nonprofit	815	1,040	1,208	1,363	1,515	1,694	1,902	2,226	2,573	2,869	3,073	3,307	3,580
For profit	488	676	1,032	1,168	1,317	1,476	1,676	1,953	2,226	2,518	2,748	3,033	3,342
State and local government	614	1,031	1,133	1,282	1,399	1,561	1,750	2,072	2,364	2,821	2,823	3,106	3,405
Average semi-private room charge (Jan. 1)²	(NA)	(NA)	(NA)	(NA)	186	176	187	144	166	186	206	219	227

NA Not available. ¹ For explanation of annual percent change, see Guide to Tabular Presentation. Average change from prior year shown. For 1970, change from 1965. ² Source: See footnote 1, table 163. Charge for 1987 was \$244.

Sources: Except as noted, American Hospital Association, Chicago, IL, *Hospital Statistics*, annual (copyright); and unpublished data.

NO. 163. AVERAGE DAILY HOSPITAL ROOM CHARGES, 1960 TO 1966, AND AVERAGE COST TO COMMUNITY HOSPITALS PER PATIENT, 1960 AND 1966—STATES

(in dollars. Average daily room charges cover non-governmental short-term general hospitals and represent average cost to patient for a semi-private room. See headnote, table 162)

STATE	AVERAGE DAILY ROOM CHARGE ¹			AVERAGE COST PER DAY		AVERAGE COST PER STAY		STATE	AVERAGE DAILY ROOM CHARGE ¹			AVERAGE COST PER DAY		AVERAGE COST PER STAY	
	1960	1965	1966	1960	1966	1960	1966		1960	1965	1966	1960	1966	1960	1966
U.S.	127	212	283	245	601	1,861	3,899	MO	107	186	226	230	505	1,848	3,722
AL	96	181	183	209	417	1,459	2,911	MT	113	201	221	180	324	1,321	2,870
AK	180	266	337	408	600	2,278	4,573	NE	100	155	182	184	372	1,526	3,309
AZ	108	191	244	290	639	2,013	3,810	NV	125	243	233	343	786	2,201	4,389
AR	88	140	153	186	408	1,172	2,572	NH	126	200	247	203	454	1,432	2,678
CA	161	281	384	362	705	2,396	4,404	NJ	146	183	229	212	431	1,650	3,188
CO	124	211	280	247	536	1,780	3,823	NY	115	190	234	263	537	1,549	2,886
CT	127	206	326	271	581	2,036	3,932	ND	157	228	263	257	484	2,469	4,219
DE	126	214	300	236	526	1,837	3,596	NC	87	136	169	187	409	1,307	2,807
DC	170	274	443	356	664	2,184	5,266	MD	93	173	195	177	345	1,528	3,320
FL	109	181	217	247	536	1,603	3,715	OH	189	228	275	241	533	1,907	3,640
GA	92	150	181	218	426	1,380	2,820	OK	101	162	184	239	480	1,527	3,116
HI	127	231	256	245	480	1,668	3,707	OR	133	225	263	277	607	1,671	3,208
ID	110	197	247	208	402	1,251	2,631	PA	132	256	266	234	493	1,947	3,662
IL	144	246	271	277	535	2,183	3,894	RI	136	206	275	260	485	2,182	3,666
IN	107	184	223	214	492	1,620	3,204	SC	80	146	170	186	367	1,367	2,774
IA	107	179	203	199	369	1,465	2,840	SD	96	161	182	180	308	1,265	2,882
KS	104	183	214	207	407	1,592	3,063	TN	81	140	171	204	426	1,427	2,915
KY	92	175	213	189	408	1,268	2,575	TX	91	159	198	226	517	1,491	3,160
LA	86	154	201	233	520	1,492	3,212	UT	112	173	242	271	606	1,462	3,086
ME	124	206	254	217	410	1,707	3,121	VT	116	209	266	183	353	1,472	3,017
MD	119	186	230	251	478	2,136	3,407	VA	101	165	196	211	436	1,647	3,057
MA	151	229	310	264	590	2,578	4,280	WA	126	229	281	262	615	1,502	3,262
MI	151	267	292	267	564	2,087	4,002	WV	110	168	196	195	427	1,393	2,780
MN	106	187	241	203	400	1,618	3,600	WI	104	166	185	218	415	1,765	3,163
MS	67	113	141	174	336	1,178	2,223	WY	96	173	183	242	386	1,189	2,632

¹ As of January. Source: Health Insurance Association of America, Washington, DC, *Source Book of Health Insurance Data*, 1967, and *Survey of Hospital Semi-Private Room Charges*, annual.

Source: Except as noted, American Hospital Association, Chicago, IL, *Hospital Statistics*, annual (copyright); and unpublished data.

NO. 164. HOSPITAL DISCHARGES AND DAYS OF CARE, BY SEX, AGE, AND DIAGNOSIS: 1966

(See headnote, table 161)

AGE AND FIRST-LISTED DIAGNOSIS	DISCHARGES		Days of care per 1,000 persons ¹	Aver- age stay (days)	AGE AND FIRST-LISTED DIAGNOSIS	DISCHARGES		Days of care per 1,000 persons ¹	Aver- age stay (days)
	Num- ber (1,000)	Per 1,000 persons ¹				Num- ber (1,000)	Per 1,000 persons ¹		
MALE					FEMALE				
All ages ²	12,948	138.6	816.8	6.6	All ages ²	20,357	164.4	1,003.8	6.1
Diseases of heart	2,002	17.3	118.1	6.7	Delivery	3,762	30.4	97.9	3.2
Malignant neoplasms	886	7.6	70.3	9.4	Diseases of heart	1,728	14.0	108.8	7.4
Fracture, all sites	540	4.7	34.4	7.4	Malignant neoplasms	994	8.0	70.8	6.8
Pneumonia, all forms	471	4.1	30.8	7.8	Fracture, all sites	580	4.5	43.8	9.7
Cerebrovascular disease	396	3.4	32.6	9.5	Cerebrovascular disease	491	4.0	39.2	8.9
Under 15 years ²	1,603	60.3	273.3	4.6	Under 15 years ²	1,178	46.5	214.6	4.6
Bronchitis, emphysema ³	110	4.1	13.2	3.2	Pneumonia, all forms	66	3.5	16.2	4.7
Acute respiratory infection	106	4.0	12.0	3.0	Chronic disease of tonsils and adenoids	62	3.2	4.1	1.3
Pneumonia, all forms	106	4.0	18.4	4.8	Bronchitis, emphysema ³	72	2.8	9.4	3.3
Congenital anomalies	104	3.9	20.9	5.3	Acute respiratory infection	63	2.5	9.0	3.6
Chronic disease of tonsils and adenoids	84	3.1	3.9	1.3	Noninfectious enteritis and colitis	52	2.0	6.2	3.0
15-44 years ²	4,100	73.4	460.7	6.1	15-44 years ²	9,368	183.2	697.7	4.3
Fracture, all sites	274	4.9	32.0	6.6	Delivery	3,748	66.4	210.1	3.2
Psychoses	220	3.9	66.6	14.4	Pregnancy w/abortus outcome	341	6.9	12.3	2.1
Alcohol dependence syndrome	198	3.6	36.0	10.3	Psychoses	202	3.5	51.5	14.8
Intervertebral disc disorders	175	3.1	18.8	6.0	Inflammatory disease of female pelvic organs	189	3.4	15.2	4.5
Diseases of heart	161	2.9	16.2	5.6	Benign neoplasms	177	3.1	16.4	6.0
45-64 years ²	3,668	168.1	1,105.2	6.7	45-64 years ²	3,731	158.7	1,097.8	6.8
Diseases of heart	783	36.5	224.3	6.2	Diseases of heart	438	18.5	126.0	6.8
Malignant neoplasms	266	12.3	118.1	9.6	Malignant neoplasms	368	15.6	127.6	6.2
Cerebrovascular diseases	97	4.5	42.8	9.5	Benign neoplasms	114	4.8	26.2	6.4
Intervertebral disc disorders	94	4.4	29.1	6.7	Cholelithiasis	102	4.3	28.5	6.6
Inguinal hernia	89	4.1	12.2	2.9	Fracture, all sites	82	3.9	26.8	7.6
65 years old and older ²	4,577	265.8	3,246.6	8.2	65 years old and older ²	6,039	348.1	3,034.8	8.7
Diseases of heart	1,044	68.3	647.8	7.3	Diseases of heart	1,166	66.9	631.8	7.7
Malignant neoplasms	486	41.1	403.4	9.8	Malignant neoplasms	478	27.6	276.0	10.0
Cerebrovascular diseases	282	23.8	223.7	9.4	Cerebrovascular diseases	382	22.6	221.8	9.8
Pneumonia, all forms	238	19.3	176.8	8.2	Fracture, all sites	314	18.1	221.1	12.2
Hypertension of prostate	194	16.4	98.3	6.0	Pneumonia, all forms	239	13.8	134.0	9.7

¹ See footnote 1, table 161

² Includes other first-listed diagnoses, not shown separately.

³ Includes asthma.

Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 13, and unpublished data.

NO. 165. PROCEDURES FOR INPATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS: 1975 TO 1986

[Excludes newborn infants and discharges from Federal hospitals. See headnote, table 181. Prior to 1980, a maximum of 3 operations were coded per discharge, while a maximum of 4 per discharge were coded beginning in 1980]

SEX AND TYPE OF PROCEDURE	NUMBER OF PROCEDURES (1,000)					RATE PER 1,000 POPULATION ¹				
	1975	1980	1984	1985	1986	1975	1980	1984	1985	1986
BOTH SEXES										
Surgical procedures, total ^{2,3}	20,040	24,684	25,580	24,789	25,041	83.7	108.6	108.2	104.6	104.6
Procedures to assist delivery	(NA)	2,391	2,352	2,494	2,805	(NA)	10.6	10.1	10.5	10.9
Cesarean section	328	619	613	677	906	1.5	2.7	3.5	3.7	3.8
Cardiac catheterization	189	348	570	661	775	8	1.5	2.4	2.9	3.2
Reduction of fracture ⁴	688	805	827	681	673	3.2	2.7	2.7	2.9	2.8
Hysterectomy	725	649	664	670	644	3.4	2.9	2.8	2.6	2.7
Repair of current obstetric laceration	227	355	483	548	612	1.1	1.6	2.1	2.3	2.6
Diagnostic and other non-surgical procedures ⁵	(NA)	6,818	10,685	11,961	12,969	(NA)	30.7	45.1	50.5	54.1
CAT scan ⁶	(NA)	306	1,091	1,376	1,631	(NA)	1.4	4.7	5.8	6.4
Diagnostic ultrasound	(NA)	318	636	1,234	1,411	(NA)	1.4	3.6	5.2	5.9
Angiocardiology and arteriography ⁷	(NA)	569	972	1,117	1,285	(NA)	2.5	4.1	4.7	5.4
Radioisotope scan	(NA)	525	764	836	851	(NA)	2.3	3.3	3.5	3.6
Cystoscopy	(NA)	667	740	645	622	(NA)	3.8	3.2	2.7	2.6
MALE										
Surgical procedures, total ^{2,3}	7,379	8,806	9,164	8,866	8,980	71.4	78.1	81.0	76.8	77.4
Cardiac catheterization	125	228	372	439	495	1.2	2.1	3.3	3.8	4.3
Prostatectomy	268	335	361	367	367	2.6	3.1	3.2	3.2	3.2
Reduction of fracture ⁴	348	325	330	339	350	3.4	3.0	2.9	3.0	3.0
Repair of inguinal hernia	484	483	411	370	293	4.7	4.4	3.6	3.2	2.5
Diagnostic and other non-surgical procedures ⁵	(NA)	3,386	5,196	5,969	6,399	(NA)	31.1	45.9	51.4	54.9
Angiocardiology and arteriography ⁷	(NA)	355	586	693	771	(NA)	3.3	5.2	6.0	6.7
CAT scan ⁶	(NA)	152	530	671	747	(NA)	1.4	4.7	5.9	6.5
FEMALE										
Surgical procedures, total ^{2,3}	12,661	15,878	16,416	15,924	16,061	114.6	137.1	136.3	130.8	130.2
Procedures to assist delivery	(NA)	2,391	2,352	2,494	2,805	(NA)	20.5	19.5	20.4	21.1
Cesarean section	328	619	613	677	906	3.0	5.3	6.7	7.2	7.3
Hysterectomy	725	649	664	670	644	6.6	5.6	5.5	5.5	5.2
Repair of current obstetric laceration	227	355	483	548	612	2.1	3.0	4.0	4.5	5.0
Diagnostic and other non-surgical procedures ⁵	(NA)	3,532	5,370	6,072	6,801	(NA)	30.3	44.3	49.6	53.4
Diagnostic ultrasound	(NA)	204	519	756	885	(NA)	1.7	4.3	6.2	7.0
CAT scan ⁶	(NA)	154	581	707	784	(NA)	1.3	4.6	5.8	6.3

NA Not available. ¹ Based on Bureau of the Census estimated civilian population as of July 1. ² Includes other types of surgical procedures not shown separately. ³ Figures for 1975 should be compared with caution to those for 1980-1986 because data prior to 1980 exclude the following obstetrical procedures: Episiotomy, artificial rupture of membranes, internal version and outlet, and low forceps delivery. ⁴ Excluding skull, nose, and jaw. ⁵ Includes other non-surgical procedures not shown separately. ⁶ Computerized axial tomography. ⁷ Using contrast material.

Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 13, and unpublished data.

NO. 166. ORGAN TRANSPLANTS AND GRAFTS: 1981 TO 1987

[As of end of year. Based on reports of independent and hospital based procurement programs in the United States]

PROCEDURE	NUMBER OF PROCEDURES					NUMBER OF CENTERS		Number of people waiting, 1987	Survival rates, 1987 (percent)
	1981	1985	1986	1987	Cumulative through 1987 ¹	1981	1987		
Transplant:									
Heart	62	719	1,368	1,441	4,211	8	104	648	86.0
Liver	26	602	924	1,182	(NA)	1	45	² 500	65.0
Kidney	4,683	7,895	978	² 8,972	77,880	157	200	12,059	³ 91.0/96.0
Heart-lung	5	30	45	41	154	(NA)	23	188	(NA)
Pancreas/islet cell	(NA)	130	140	² 180	(NA)	(NA)	31	² 100	35.0/40.0
Cornea grafts	15,500	26,300	26,000	35,000	265,000	(NA)	⁴ 103	² 5,000	⁵ 90.0
Bone grafts	(NA)	(NA)	(NA)	250,000	(NA)	(NA)	(NA)	(NA)	(NA)
Skin grafts	(NA)	(NA)	(NA)	5,000	(NA)	(NA)	² 50	(NA)	⁵ 98.0

NA Not available. ¹ Total number of procedures performed, including years not shown. ² Estimate. ³ 91.0 percent with kidney from a deceased donor; 96.0 percent with kidney from a living related donor. ⁴ Eye banks. ⁵ Success rate. ⁶ Skin banks.

Source: U.S. Department of Health and Human Services, Public Health Service, Division of Organ Transplantation, *Organ Transplantation*, annual, and unpublished data.

NO. 167. PATIENTS DISCHARGED FROM HOSPITALS—PRINCIPAL SOURCE OF EXPECTED PAYMENT, BY
SELECTED CHARACTERISTIC: 1988

[Covers non-Federal short-stay hospitals. Discharges excludes newborn infants. Based on the National Hospital Discharge Survey.
For methodological details, see source. For composition of regions, see fig. 1, inside front cover]

CHARACTERISTIC	Total dis- charged (1,000)	PRINCIPAL SOURCE OF EXPECTED PAYMENT—PERCENT DISTRIBUTION							
		Private insur- ance	Government				Self- pay	No charge	Other ¹
			Medi- care	Medi- aid	Worker's compen- sation	Other			
AGE									
All ages.....	34,286	43.5	33.5	6.8	1.0	2.3	6.8	.7	1.7
Under 15 years old.....	2,783	58.5	1.4	24.6	(X)	4.1	10.5	1.0	2.0
15-44 years old.....	13,458	60.7	2.8	14.6	2.9	3.3	11.7	1.0	2.8
45-64 years old.....	7,300	66.6	12.9	7.3	2.3	2.6	5.5	.9	1.8
65 years old and over.....	10,716	2.8	94.5	.9	.7	.3	.5	(²)	.2
SEX									
Male, all ages.....	13,949	49.9	33.5	7.1	3.4	2.3	7.1	.8	1.7
Under 15 years old.....	1,803	58.0	1.1	24.5	(X)	4.1	11.2	1.0	2.2
15-44 years old.....	4,100	58.6	4.9	9.3	7.7	3.5	13.8	.9	3.2
45-64 years old.....	3,569	65.1	14.9	5.1	3.8	2.6	6.0	.9	1.8
65 years old and over.....	4,677	3.3	93.8	.7	.8	.4	.6	(²)	² .2
Female, all ages.....	20,337	45.4	31.2	11.4	.8	2.2	6.6	.7	1.7
Under 15 years old.....	1,179	57.1	1.8	24.6	(X)	4.1	9.6	.9	1.9
15-44 years old.....	9,368	62.5	1.9	17.2	.8	3.2	10.7	1.0	2.7
45-64 years old.....	3,731	65.1	11.0	9.3	1.2	2.6	5.1	.9	1.8
65 years old and over.....	6,039	2.5	95.0	1.1	.6	.2	.5	² .1	² .2
RACE									
White.....	25,263	44.8	36.7	6.8	1.9	2.0	5.9	.5	1.5
Black.....	4,015	33.0	22.3	25.5	1.7	2.8	11.0	1.7	2.0
All other.....	4,977	45.7	26.5	11.2	1.9	3.2	7.7	1.0	2.7
GEOGRAPHIC REGION									
Northeast.....	6,955	43.3	35.4	11.4	1.3	1.1	5.8	.2	1.7
Midwest.....	8,931	45.9	33.8	9.4	2.1	1.7	5.4	.2	1.6
South.....	11,892	44.0	32.5	9.6	2.0	2.2	8.3	.3	1.3
West.....	6,478	38.6	33.1	6.2	1.9	4.5	7.4	2.8	2.5
OWNERSHIP									
Nonprofit.....	23,506	46.3	34.3	6.9	1.9	1.7	5.7	.7	1.5
Profit.....	3,618	47.3	35.9	7.0	2.6	2.0	4.1	² .1	.9
State or local government.....	7,191	35.8	29.6	13.3	1.3	4.3	11.6	1.0	2.8

X Not applicable. ¹ Includes all other nonprofit sources of payment such as church, welfare, or United Way. ² Figure does not meet standards of reliability or precision.

Source: U.S. National Center for Health Statistics, *Advance Data from Vital and Health Statistics*, No. 145, and unpublished data.

NO. 165. NURSING AND RELATED CARE FACILITIES: 1971 TO 1987

ITEM	Unit	1971	1973	1970	1970	1985	1982	1984	1980	1986	1987
Nursing and related care: ¹											
Facilities.....	Number...	22,004	21,634	20,468	² 16,722	³ 23,085	⁴ 25,849	(NA)	(NA)	⁴ 25,646	(NA)
Beds.....	1,000.....	1,202	1,328	1,415	² 1,349	³ 1,537	⁴ 1,642	(NA)	(NA)	⁴ 1,709	(NA)
Resident patients.....	1,000.....	1,078	1,198	1,293	² 1,240	³ 1,398	⁴ 1,493	(NA)	(NA)	⁴ 1,553	(NA)
Employees, full-time.....	1,000.....	568	638	653	² 684	³ 795	(NA)	(NA)	(NA)	(NA)	(NA)
Per 1,000 patients.....	Rate.....	528	531	505	² 535	³ 571	(NA)	(NA)	(NA)	(NA)	(NA)
Skilled nursing facilities ⁵	Number...	4,277	3,970	3,922	4,745	5,052	5,408	5,952	6,451	6,897	7,262
Beds.....	1,000.....	307	267	309	408	438	468	530	(NA)	(NA)	(NA)
Per 1,000 Medicare enrollees ⁶	Rate.....	15.1	13.5	13.7	17.3	17.7	19.1	19.9	(NA)	(NA)	(NA)

NA Not available. ¹ Covers nursing homes with 3 beds or more and all other places providing some form of nursing, personal, or domiciliary care; standards vary widely among States. Includes skilled nursing facilities. 1971-1985 based on National Master Facility Inventory. Some changes in data beginning 1978 may be due to dependence on State collection. 1986 data based on the 1986 Inventory of Long-Term Care Places. Data may not be strictly comparable with previous year data. ² Includes 1976 data for California, District of Columbia, New York, and North Carolina. ³ Excludes hospital-based nursing homes and includes 1978 data for Alaska and South Dakota. ⁴ Excludes hospital-based nursing homes. ⁵ Source: Through 1976, U.S. Social Security Administration, *Health Insurance Statistics* and unpublished data. Beginning 1975, U.S. Health Care Financing Administration, *Medicare Participating Providers and Suppliers of Health Services, 1980*; and unpublished data. Covers facilities and beds certified for participation under Medicare as of mid-year. Includes facilities which have transfer agreements with one or more participating hospitals, and are engaged primarily in providing skilled nursing care and related services for the rehabilitation of injured, disabled, or sick persons. ⁶ Based on number of aged persons residing in United States who were enrolled in the Medicare hospital insurance program as of July 1 of year stated.

Source: Except as noted, U.S. National Center for Health Statistics, *Health Resources Statistics*, annual through 1976 and 1978; 1982, *Advance Data from Vital and Health Statistics*, No. 111, and unpublished data.

NO. 166. NURSING AND RELATED CARE FACILITIES—SELECTED CHARACTERISTICS: 1986

[Excludes hospital-based nursing homes. Based on the 1986 Inventory of Long-Term Care Places. For composition of regions, see fig. 1, inside front cover]

CHARACTERISTIC	TOTAL FACILITIES				NURSING HOMES ¹				RESIDENTIAL FACILITIES ²			
	Homes	Beds (1,000)	Average number of beds	Occupancy rate	Homes	Beds (1,000)	Average number of beds	Occupancy rate	Homes	Beds (1,000)	Average number of beds	Occupancy rate
Total	25,646	1,709.2	47	91.6	15,366	1,367.4	82	91.7	9,280	341.8	22	86.4
Northeast	4,863	373.8	77	93.7	2,948	317.5	106	94.6	1,915	56.3	29	87.6
Midwest	7,474	538.8	72	90.7	5,393	508.7	94	91.2	2,081	33.1	16	84.4
South	7,311	516.5	71	90.1	5,006	464.0	93	90.5	2,303	52.8	23	86.4
West	5,998	279.1	47	89.4	3,039	219.2	72	91.1	2,959	59.9	20	83.1
Government	1,045	108.6	102	93.0	789	99.7	126	93.6	256	6.8	27	85.3
Proprietary	20,223	1,235.4	61	90.5	12,336	1,079.0	87	91.3	7,887	156.5	20	86.1
Nonprofit	4,378	367.2	64	91.8	3,283	328.7	101	92.4	1,115	38.5	36	88.5
3-9 beds	5,918	32.6	6	82.8	1,340	7.2	5	82.6	4,578	25.5	8	82.9
10-24 beds	3,695	58.1	16	86.3	1,099	18.2	17	87.6	2,626	39.9	15	86.7
25-49 beds	3,135	115.5	37	89.5	2,061	77.8	36	90.8	1,074	37.6	35	89.8
50-74 beds	3,470	208.7	60	92.2	3,037	182.7	60	92.8	433	26.0	60	87.6
75-99 beds	2,526	221.6	88	92.1	2,335	205.4	88	92.5	191	16.3	86	88.5
100-199 beds	5,755	758.2	131	91.1	5,468	717.6	131	91.5	287	38.6	136	84.8
200-299 beds	858	198.2	231	90.8	804	186.1	231	91.3	54	12.1	225	82.9
300-499 beds	239	84.9	355	91.2	225	80.1	356	92.1	14	4.8	340	75.9
500 beds or more	50	33.4	667	89.0	49	32.3	669	94.8	1	1.1	1,050	96.7
Certification:												
Medicare or Medicaid (skilled nursing facility) ³	8,045	984.1	122	92.9	8,045	984.1	122	92.9	-	-	-	-
Medicaid (intermediate care facility) ³	5,375	411.5	77	90.3	5,375	411.5	77	90.3	-	-	-	-
Not certified nursing home	2,966	111.6	38	88.3	2,966	111.6	38	88.3	-	-	-	-
Residential facilities	9,258	201.8	22	85.4	(x)	(x)	(x)	(x)	9,258	201.8	22	85.4

- Represents zero. X Not applicable. ¹ These facilities have three or more beds and provide to adults who require it either (a) nursing care or (b) personal care (such as help with bathing, eating, using toilet facilities, or dressing) and/or supervision over such activities as money management, walking, and shopping. ² These facilities offer no nursing services and provide only personal care or supervisory care. ³ Facilities certified as both skilled nursing facilities and intermediate care facilities have been classified as skilled nursing facilities.

Source: U.S. National Center for Health Statistics, *Advance Data From Vital and Health Statistics*, No. 147 and unpublished data.

NO. 170. NURSING HOME RESIDENTS—LIVING ARRANGEMENTS PRIOR TO ADMISSION, SOURCE OF PAYMENT, AND DEPENDENCY STATUS, BY AGE AND SEX: 1985

[For civilian population 65 years and over. Based on the 1985 National Nursing Home Survey conducted from August 1985 through January 1986. Based on sample and subject to sampling variation; see source for details]

ITEM	Total	AGE			SEX	
		65-74 years	75-84 years	85 years and over	Male	Female
All residents (1,000)	1,316.9	212.1	508.6	594.7	354.8	961.9
LIVING ARRANGEMENTS—PERCENT DISTRIBUTION						
Total ¹	100.0	100.0	100.0	100.0	100.0	100.0
Private or semiprivate residence ¹	40.0	29.2	40.5	43.3	38.3	41.2
Alone	14.7	8.2	14.7	17.0	11.6	15.6
With family members	18.9	16.0	19.8	19.2	19.3	18.8
Another health facility ¹	57.0	67.7	56.5	53.8	60.4	55.9
Another nursing home	12.2	12.9	12.6	11.5	13.1	11.8
General or short-stay hospital ²	39.7	39.5	36.2	38.9	35.2	40.0
PRIMARY SOURCE OF PAYMENT—PERCENT DISTRIBUTION						
Total ^{1,3}	100.0	100.0	100.0	100.0	100.0	100.0
Own income or family support	49.8	39.0	51.2	52.4	50.9	49.5
Medicare	4.9	4.7	5.2	4.6	4.8	4.9
Medicaid payment for—						
Skilled nursing	13.9	13.9	13.6	14.3	11.9	14.6
Intermediate care	26.2	31.5	25.3	25.1	23.7	27.0
DEPENDENCY STATUS						
Average number of dependancies	3.9	3.4	3.8	4.2	3.6	4.0
Percent of nursing home population requiring assistance in—						
Bathing	81.2	84.8	90.3	94.1	86.9	89.6
Dressing	77.7	70.2	75.9	81.9	71.5	79.7
Using toilet room	83.3	58.6	60.3	68.2	58.2	65.7
Transferring ⁴	62.7	52.1	59.7	69.0	55.3	65.2
Eating	40.4	33.4	39.1	44.0	34.6	42.3
Continence	54.5	42.8	56.0	58.1	51.8	55.3

¹ Includes other living arrangements and payment sources, not shown separately. ² Excludes psychiatric units of hospitals.

³ Payment for admissions month. For persons who were residents for one month or more. ⁴ Getting in or out of a bed or a chair.

Source: U.S. National Center for Health Statistics, *Use of Nursing Homes by the Elderly: Preliminary Data from the 1985 National Nursing Home Survey*, *Advance Data*, No. 135, May 1987.

No. 171. NURSING HOME DISCHARGES, BY SELECTED CHARACTERISTICS: 1976 AND 1985

[Based on the National Nursing Home Survey and subject to sampling variation, see source]

CHARACTERISTIC	DISCHARGES				MEDIAN DURATION OF STAY (days)	
	Total (1,000)		Percent distribution			
	1976	1985	1976	1983	1976	1980
All discharges ¹	1,117.5	1,223.5	100.0	100.0	75	82
Age at discharge:						
Under 65 years old	136.2	129.4	12.1	10.6	56	69
65 years old and over	981.3	1,094.1	87.8	89.4	78	84
65-74 years old	203.6	182.9	18.2	15.0	52	57
75-84 years old	445.8	452.2	39.9	37.0	67	65
85-94 years old	300.6	389.8	26.9	31.6	123	145
95 years old and over	31.1	89.2	2.8	5.7	379	238
Male	407.7	455.5	36.5	37.2	80	66
Female	709.8	768.0	63.5	62.8	85	93
White	(NA)	1,135.9	(NA)	92.8	(NA)	82
Black	(NA)	82.0	(NA)	6.7	(NA)	101
Other	(NA)	5.6	(NA)	.5	(NA)	44
Hispanic ²	(NA)	35.5	(NA)	2.9	(NA)	113
Non-Hispanic	(NA)	1,130.7	(NA)	92.4	(NA)	63
Unknown	(NA)	57.4	(NA)	4.7	(NA)	71
Live discharges	825.5	877.0	73.9	71.7	60	70
Dead discharges	289.8	343.8	25.9	28.1	130	163
Live discharges—						
Destination at discharge	825.5	877.0	100.0	100.0	60	70
Private or semiprivate residence	306.7	266.4	37.2	30.4	30	36
Another health facility	484.2	591.5	58.7	67.5	124	113
Another nursing home	106.6	96.0	13.2	11.2	103	83
General or short-stay hospital, except psychiatric unit	339.5	430.2	41.1	49.1	139	130
Veterans hospital	(?)	20.6	(?)	2.4	(?)	66
Other health facility or unknown type	⁴ 36.0	42.6	⁴ 4.4	4.9	⁴ 60	78
Mental health facility	12.0	20.5	1.1	1.7	160	127
Unknown or other	34.7	19.0	4.2	2.2	41	47

NA Not available. ¹ Total includes small number of unknown by discharge status. ² Persons of Hispanic origin may be of any race. ³ Veterans hospital included in "Other health facility." ⁴ Includes veterans hospital.

Source: U.S. National Center for Health Statistics, *Discharge From Nursing Homes: Preliminary Data From the 1985 National Nursing Home Survey*, Advance Data, No. 142, September 1987.

No. 172. RESIDENTIAL FACILITIES FOR THE MENTALLY RETARDED: 1960 TO 1986

[For years ending June 30. Mentally retarded people refers to those who have been so designated by State governments in the process of placing them into residential facilities]

ITEM	STATE-OPERATED FACILITIES ¹						PRIVATE FACILITIES ²		
	1960	1970	1975	1980 ²	1980 ²	1986 ²	1977	1983	1989
Number of facilities ⁴	106	190	210	394	881	996	10,219	14,605	26,411
Resident patients, beginning of year	158,662	189,956	166,689	148,734	117,101	112,654	(NA)	(NA)	(NA)
Admissions ⁵	14,701	14,985	13,424	14,084	7,713	8,498	22,363	22,431	(NA)
Deaths in institutions	3,202	3,496	2,752	2,142	1,537	1,371	891	920	(NA)
Live releases ⁶	6,451	14,702	18,320	16,225	10,310	11,554	12,384	12,999	(NA)
Resident patients, end of year	163,730	166,743	159,041	140,230	112,183	107,665	89,120	115,032	147,233
Rate per 100,000 population ⁷	91.9	92.5	74.4	62.2	48.8	45.2	41.2	49.7	61.6
Average daily resident patients	163,262	187,697	161,061	136,304	111,791	107,750	(NA)	(NA)	(NA)
Maintenance expenditures per day per average daily resident patient (dollars) ⁸	5	13	31	68	122	130	⁹ 19	⁹ 37	(NA)

NA Not available. ¹ Data as submitted by many State agencies; figures reflect some estimates. Resident patients at the end of a year do not equal the number at the beginning of a succeeding year. Includes estimates for underreporting. ² Includes data for 142 facilities in 1980, 121 facilities in 1985, and 112 in 1988, operated as mental hospitals or other care facilities and which have at least 10 mentally retarded residents. The average daily number of mentally retarded residents in these facilities was 8,240 in 1980, 5,602 in 1985, and 3,106 in 1988. ³ A privately-operated living quarter which provides 24-hour, 7-days-a-week responsibility for room, board, and supervision of mentally retarded persons. Excludes single-family homes providing services to a relative; nursing homes, boarding homes and foster homes not formally licensed or contracted as mental retardation service providers; and independent living programs which have no staff residing in facility. ⁴ Beginning 1965, reflects the development of a large number of community based State-operated facilities which were developed in the early 1960's. ⁵ Includes readmissions and excludes transfers. ⁶ 1980-1975, represents excess of patients released alive from hospital over those returning to hospital. Beginning 1980, total live releases. ⁷ Based on Bureau of the Census estimated civilian population as of July 1. ⁸ Reporting facilities only; includes salaries and wages, purchased provisions, fuel, light, water, etc. ⁹ Represents average daily reimbursement rate per resident.

Source: State-operated facilities: U.S. Office of Human Development Services, *Residents in Public Institutions for the Mentally Retarded*, annual through 1970, and unpublished data; 1980 through 1986, Center for Residential and Community Services (CRCS), University of Minnesota, Minneapolis, MN, White, Lakin, Hill, Wright, and Bruininks, Report No. 24; Private facilities: CRCS, Lakin, Hill, White, and Wright, Brief Report No. 24.

No. 173. MENTAL RETARDATION FACILITIES—SUMMARY BY SELECTED CHARACTERISTICS: 1986

[Mental retardation (MR) facilities include intermediate care facilities (ICF-MR), foster homes, group residences, semi-independent living programs, State institutions and other kinds of MR places. Based on the 1986 Inventory of Long-Term Care Places. For an explanation of mental retardation, see table 172. For details, see source. For composition of regions, see inside front cover]

CHARACTERISTIC	FACILITIES		BEDS		RESIDENTS						
	Num- ber	Per- cent distrib- ution	Num- ber	Per- cent distrib- ution	Number			Percent distribution			Aver- age num- ber of resi- dents
					Total ¹	Black	His- panic ²	Total ¹	Black	His- panic ²	
Total	14,639	100.0	289,954	100.0	250,472	29,442	10,181	100.0	100.0	100.0	17
BED SIZE											
1-5 beds	5,115	34.9	17,099	6.3	15,234	1,726	623	6.1	5.9	6.1	3
6-9 beds	5,491	37.5	37,318	13.8	34,815	3,159	1,587	13.9	10.7	15.6	6
10-15 beds	2,097	14.3	24,991	9.3	23,444	1,950	937	9.4	6.6	9.2	11
16-99 beds	1,531	10.5	58,050	21.5	54,090	5,485	2,333	21.6	18.6	22.9	35
100 beds or more	405	2.8	132,496	49.1	122,684	17,122	4,701	49.1	58.2	46.2	303
100-199 beds	198	1.4	26,206	9.7	24,539	3,696	995	9.8	12.6	9.8	124
200-499 beds	126	.9	41,331	15.3	38,322	4,904	1,465	15.3	16.7	14.4	304
500 beds or more	81	.6	64,959	24.1	60,026	8,520	2,241	24.0	26.9	22.0	741
GEOGRAPHIC REGION											
Northeast	3,806	26.0	65,812	24.4	61,707	5,634	1,578	24.6	19.1	15.5	16
Midwest	4,741	32.4	83,067	30.8	77,193	6,436	1,079	30.8	21.9	10.6	16
South	2,360	16.3	71,667	26.6	66,767	14,536	2,668	26.7	49.4	26.2	26
West	3,712	25.4	49,168	18.2	44,805	2,832	4,856	17.9	9.6	47.7	12
TYPE OF OWNERSHIP											
Profit	6,330	43.2	66,536	24.6	60,560	6,503	3,495	24.2	22.1	34.3	10
Nonprofit	6,396	43.7	78,935	29.2	75,193	6,936	2,316	30.0	23.6	22.7	12
Government	1,913	13.1	124,483	46.1	114,719	16,001	4,370	45.8	54.3	42.9	60

¹ Includes races not shown separately. ² Persons of Hispanic origin may be of any race.
Source: National Center for Health Statistics, *Advance Data*, No. 143, September 1987.

No. 174. MENTAL HEALTH FACILITIES—SUMMARY BY TYPE OF FACILITY: 1987

[Facilities and beds as of January 1987; inpatients as of yearend 1986; other data are for calendar year or fiscal year ending in a month other than December since facilities are permitted to report on either a calendar or fiscal year basis. Excludes private psychiatric office practice and psychiatric service modes of all types in hospitals or outpatient clinics of Federal agencies other than Veterans Administration. Excludes data from Puerto Rico, Virgin Islands, Guam, and other territories]

TYPE OF FACILITY	Number of facilities	INPATIENT BEDS		INPATIENTS		Average daily inpatients (1,000)	Inpatient care episodes ² (1,000)	EXPENDITURES		Patient care staff ⁴ (1,000)
		(1,000)	Rate ¹	(1,000)	Rate ¹			Total (mil. dol.)	Per capita ³ (dol.)	
Total	4,747	267.6	111.6	237.9	99.4	228.5	2,052	18,460	77	346.6
Mental hospitals:										
State and county	285	119.0	49.7	111.1	46.4	107.1	442	6,326	28	119.0
Private ⁶	751	54.7	22.9	47.8	20.0	46.1	305	3,607	15	60.6
General hospitals ⁶	1,351	45.8	19.1	34.5	14.4	34.4	863	2,878	12	61.1
Veterans Administration ⁷	139	26.9	11.2	24.3	10.2	21.2	204	1,336	6	23.6
Free-standing psychiatric outpatient services ⁸	773	(x)	(x)	(x)	(x)	(x)	(x)	518	2	9.2
Other ⁹	1,448	21.2	8.9	20.2	8.4	19.7	216	3,793	16	73.1

X Not applicable. ¹ Rate per 100,000 population. Based on Bureau of Census estimated civilian population as of July 1.
² "Inpatient care episodes" is defined as the number of residents in inpatient facilities at the beginning of the year plus the total additions to inpatient facilities during the year.
³ Based on Bureau of the Census estimated civilian population as of July 1.
⁴ Full-time equivalent. ⁵ Includes residential treatment centers for emotionally disturbed children.
⁶ Non-Federal hospitals with separate psychiatric services. ⁷ Includes Veterans Administration (VA) neuropsychiatric hospitals, VA general hospitals with separate psychiatric settings and VA freestanding psychiatric outpatient clinics.
⁸ Includes mental health facilities which provide only psychiatric outpatient services.
⁹ Includes other multiservice mental health facilities with two or more settings, which are not elsewhere classified, as well as freestanding partial care organizations; which only provide psychiatric partial care services. Number of facilities, expenditures, and staff data also include freestanding psychiatric day/night facilities.

Source: U.S. National Institute of Mental Health, *Statistical Note* series, and unpublished data.

NO. 175. DAYS OF DISABILITY, BY TYPE AND SELECTED CHARACTERISTICS: 1970 TO 1986

[Covers civilian noninstitutional population. Beginning 1983, the levels of estimates may not be comparable to estimates for 1970-1980 because the later data are based on a revised questionnaire and field procedures; for further information, see source. Based on National Health Interview Survey; see Appendix III. For composition of regions, see fig. 1, inside cover.]

ITEM	TOTAL DAYS OF DISABILITY (millions)						DAYS PER PERSON					
	1970	1980	1983	1984	1985	1986	1970	1980	1983	1984	1985	1986
Restricted-activity days ¹	2,913	4,185	3,318	3,427	3,453	3,597	14.6	19.1	14.5	14.8	14.8	15.2
Male	1,273	1,802	1,285	1,454	1,442	1,488	13.2	17.1	12.3	13.0	12.8	13.1
Female	1,640	2,383	1,953	1,973	2,011	2,098	15.8	21.0	16.6	16.5	16.6	17.2
White ²	2,526	3,516	2,913	2,906	2,899	3,048	14.4	18.7	14.3	14.7	14.5	15.2
Black ³	305	580	452	451	489	473	16.2	22.7	16.6	16.6	17.4	16.6
Hispanic ³	(NA)	(NA)	(NA)	229	229	226	(NA)	(NA)	(NA)	12.9	13.2	12.5
Under 65 years	2,331	3,228	2,487	2,587	2,557	2,712	12.9	18.6	12.2	12.6	12.4	13.0
65 years and over	582	957	831	840	896	884	30.7	30.2	32.1	31.9	33.1	32.1
Northeast	709	882	716	700	689	700	14.5	17.9	14.6	13.9	13.8	14.0
Midwest	661	980	782	799	744	844	12.4	17.2	12.9	13.4	12.7	14.8
South	896	1,415	1,184	1,232	1,308	1,325	15.9	18.8	15.8	16.0	16.3	16.5
West	518	899	657	686	712	726	15.6	22.0	14.5	15.6	15.7	15.6
Family income:												
Under \$5,000	982	782	397	377	349	319	23.3	37.5	24.7	25.3	28.0	24.3
\$5,000-\$9,999	857	804	618	576	544	532	12.8	25.8	23.7	23.8	25.6	26.1
\$10,000-\$14,999	539	636	439	432	397	402	11.5	19.4	17.5	17.8	17.9	16.7
\$15,000-\$24,999	257	809	640	687	683	678	11.0	15.1	12.3	13.8	14.3	15.2
\$25,000 and over	74	784	621	942	1,051	1,197	10.7	12.7	10.0	10.6	10.6	11.4
Bed-disability days ⁴	1,222	1,320	1,530	1,508	1,438	1,548	6.1	7.0	6.7	6.6	6.1	6.6
Male	503	616	682	624	583	613	5.2	5.9	5.7	5.6	5.2	5.4
Female	720	904	896	884	852	935	6.9	8.0	7.6	7.4	7.1	7.7
Under 65 years	959	1,190	1,087	1,110	1,084	1,137	5.9	6.1	5.4	5.4	5.1	5.4
65 years and over	263	330	433		371	411	13.8	19.8	16.7	15.1	13.7	14.9
Work-loss days ⁵	417	486	419		575	607	5.4	5.0	4.2	4.9	5.3	5.5
Male	243	271	207		287	302	5.0	4.9	3.7	4.4	4.8	5.0
Female	175	215	212		288	305	5.8	5.1	4.9	5.6	6.0	6.1
School-loss days ⁶	222	204	225	227	217	226	4.8	5.3	5.0	5.1	4.8	5.0
Male	108	86	107	108	100	99	4.7	4.8	4.7	4.8	4.4	4.3
Female	114	108	118	119	117	127	5.1	5.7	5.4	5.4	5.3	5.8

NA. Not available. ¹ A day when a person cuts down on his usual activities for the whole day because of illness or injury. Includes bed-disability, work-loss, and school-loss days. Total includes other races and unknown income, not shown separately. ² Beginning 1980 race was determined by asking the household respondent to report his race. In earlier years the racial classification of respondents was determined by interviewer observation. ³ Hispanic persons may be of any race. ⁴ A day when a person was kept in bed either all or most of the day because of illness or injury. Includes those work-loss and school-loss days actually spent in bed. ⁵ A day when a person lost the entire workday because of illness or injury. Computed for persons 17 years of age and over (beginning 1983, 18 years of age and over) in the currently employed population, defined as those who were working or had a job or business from which they were not on layoff during the 2-week period preceding the week of interview. ⁶ Child's loss of entire school day because of illness or injury. Computed for children 5-16 years of age. Beginning 1983, children 5-17 years old.

Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 10; and unpublished data.

NO. 176. PERSONS INJURED, BY SEX, 1970 TO 1986, AND BY AGE AND PLACE, 1986

[Covers civilian noninstitutional population and comprises incidents leading to restricted activity and/or medical attention. 1975 and beginning 1982, data not strictly comparable with other years. See headnote, table 175. Based on National Health Interview Survey; see Appendix III.]

YEAR	PERSONS INJURED (millions)			RATE PER 100 POPULATION			AGE AND PLACE	PERSONS INJURED (millions)			RATE PER 100 POPULATION		
	Total	Male	Female	Total	Male	Female		Total	Male	Female	Total	Male	Female
1970	56.0	31.8	24.2	28.0	33.0	23.3	1986, total ¹	62.4	34.0	28.4	28.4	29.8	23.3
1975	71.6	39.4	32.5	34.4	39.1	30.0	Under 5 years	4.3	2.7	1.6	23.4	29.1	17.5
1977	73.9	42.3	31.6	34.6	41.3	28.8	5-17 years	15.2	8.6	6.4	33.8	36.5	29.0
1978	67.5	38.1	29.4	31.6	36.8	26.6	18-44 years	28.3	16.4	11.9	28.0	33.2	23.0
1979	69.1	40.2	28.9	32.0	36.6	25.9	45-64 years	8.9	4.1	4.7	19.8	19.4	20.2
							65 years and over	5.6	2.0	3.6	21.0	17.2	23.7
1980	68.1	39.0	29.1	31.2	37.1	25.6	Home	22.0	11.0	11.0	9.3	9.6	9.0
1981	70.3	40.1	30.2	31.2	36.9	25.9	Street or highway	7.9	3.9	4.0	3.3	3.4	3.3
1982	60.0	32.4	27.6	26.4		23.4	Industrial	7.3	5.4	1.8	3.1	4.7	1.5
1983	61.1	33.0	28.1	26.6		23.7	Other	15.8	10.2	5.6	6.7	8.8	4.6
1984	61.1	33.7	27.4	26.4		22.9							
1986	62.6	34.6	28.0	26.6		23.1							

¹ Includes unknown place of accident, not shown separately.

Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 10; and unpublished data.

No. 177. SPECIFIED REPORTABLE DISEASES—CASES REPORTED: 1970 TO 1987

[Figures should be interpreted with caution. Although reporting of some of these diseases is incomplete, the figures are of value in indicating trends of disease incidence. Includes cases imported from outside the U.S. See *Historical Statistics, Colonial Times to 1970*, series B 291-303, for related data]

DISEASE	1970	1975	1980	1981	1982	1983	1984	1985	1985	1987
AIDS ¹	(NA)	(NA)	(NA)	199	744	2,117	4,445	8,249	13,166	21,070
Amebiasis	2,888	2,775	5,271	6,632	7,304	6,658	5,252	4,433	3,532	3,123
Aseptic meningitis	6,480	4,475	8,028	9,547	9,680	12,696	8,326	10,619	11,374	11,467
Botulism ²	12	20	89	103	97	133	123	122	109	82
Brucellosis (undulant fever)	213	310	183	185	173	200	131	153	106	129
Chickenpox (1,000)	(?)	154.2	190.9	200.8	167.4	177.5	222.0	178.2	183.2	213.2
Diphtheria	435	307	3	5	2	5	1	3	-	3
Encephalitis:										
Primary infectious ⁴	1,580	4,064	1,362	1,492	1,484	1,761	1,257	1,378	1,302	1,418
Post infectious ⁴	370	237	40	43	36	34	106	161	124	121
Hepatitis: B (serum) (1,000)	8.3	13.1	19.0	21.2	22.2	24.3	26.1	26.6	26.1	25.9
A (infectious) (1,000)	58.8	35.9	29.1	25.8	23.4	21.5	22.0	23.2	23.4	25.3
Unspecified (1,000)	(?)	7.2	11.9	11.0	8.6	7.1	5.5	5.5	3.9	3.1
Non-A, non-B (1,000)	(?)	(?)	(?)	(?)	2.6	3.5	3.9	4.2	3.6	3.0
Legionellosis	(?)	(?)	(?)	(?)	654	852	750	830	948	1,038
Leprosy	129	162	223	256	250	259	290	361	270	236
Leptospirosis	47	93	85	82	100	61	40	57	41	43
Malaria	3,051	373	2,062	1,388	1,056	813	1,007	1,049	1,123	944
Measles (1,000)	47.4	24.4	13.5	3.1	1.7	1.5	2.6	2.8	6.3	3.7
Meningococcal infections	2,505	1,478	2,840	3,525	3,056	2,736	2,746	2,479	2,594	2,930
Mumps (1,000)	105.0	59.6	8.6	4.9	5.3	3.4	3.0	3.0	7.8	12.8
Pertussis ⁶ (1,000)	4.2	1.7	1.7	1.2	1.9	2.5	2.3	3.6	4.2	2.8
Plague	13	20	18	13	19	40	31	17	10	12
Polio myelitis, acute	33	8	9	6	8	15	8	7	8	6
Poliocosis	35	49	124	136	152	142	172	119	224	96
Rabies, animal	3,224	2,627	6,421	7,118	6,212	5,878	5,587	5,565	5,504	4,658
Rabies, human	3	2	-	2	-	2	3	1	-	1
Rheumatic fever, acute ⁷	3,227	2,854	432	264	137	88	117	90	147	141
Rubella ⁸ (1,000)	58.6	16.7	3.9	2.1	2.3	1.0	1.0	.6	.6	.3
Salmonellosis ⁹ (1,000)	22.1	22.6	33.7	40.0	40.9	44.3	40.9	65.3	50.0	50.9
Shigellosis ¹⁰ (1,000)	13.8	16.6	19.0	19.9	18.1	19.7	17.4	17.1	17.1	23.9
Tetanus	148	102	95	72	88	91	74	83	64	46
Toxic-shock syndrome	(?)	(?)	(?)	(?)	(?)	502	482	384	412	372
Trichinosis	109	252	131	206	115	45	66	61	39	40
Tuberculosis ¹¹ (1,000)	37.1	34.0	27.7	27.4	25.5	23.8	22.3	22.2	22.8	22.5
Tularemia	172	129	234	268	275	310	291	177	170	214
Typhoid fever	346	375	510	584	425	507	390	402	362	400
Typhus fever:										
Flea-borne (endemic-murine)	27	44	81	81	58	62	53	37	67	49
Tick-borne (Rocky Mt. spotted fever)	360	844	1,163	1,192	976	1,126	838	714	760	604
Veneral diseases (civilian cases):										
Gonorrhea (1,000)	600	1,000	1,004	991	961	900	879	911	901	781
Syphilis (1,000)	91	80	89	73	76	75	70	66	66	87
Other (1,000)	2.2	1.1	1.0	1.2	1.6	1.2	1.0	2.3	4.2	5.3

- Represents zero. NA Not available. ¹ Acquired immunodeficiency syndrome was not a notifiable disease until 1984. Figures are shown for years in which cases were reported to the CDC. ² Beginning in 1975, includes foodborne, infant, wound, and unspecified cases. ³ Disease was not notifiable. ⁴ Beginning 1975, reported data reflect new diagnostic categories. ⁵ Whooping cough. ⁶ Preliminary. ⁷ Based on reports from States: 36 in 1975, 38 in 1970 and 1981, 37 in 1980, 35 in 1982-1984, 31 in 1985, 29 in 1986, and 25 in 1987. ⁸ German measles. ⁹ Excludes typhoid fever. ¹⁰ Bacillary dysentery. ¹¹ Newly reported active cases. New diagnostic standards introduced in 1975.

Source: U.S. Centers for Disease Control, Atlanta, GA, *Summary of Notifiable Diseases, United States, Morbidity and Mortality Weekly Report*, Vol. 36, No. 54, September 1988.

No. 178. SELECTED MEASURES OF HOSPITAL UTILIZATION FOR PATIENTS DISCHARGED WITH THE DIAGNOSIS OF AIDS: 1984 TO 1986

[See headnote, table 179]

MEASURE OF UTILIZATION	Unit	1984	1985	1985
Number of patients discharged	1,000	10	23	37
Rate of patient discharges ¹	Rate	.4	1.0	1.6
Number of days of care	1,000	123	387	696
Rate of days of care ¹	Rate	5.2	16.3	25.3
Average length of stay ²	Days	12.1	17.1	16.2

¹ Per 10,000 population. Based on Bureau of the Census estimated civilian population as of July 1. ² For similar data on all patients, see table 161.

Source: National Center for Health Statistics, *Vital and Health Statistics, Advance Data*, No. 156, May 1986.

No. 179. HOSPITAL DISCHARGES AND DAYS OF CARE FOR PATIENTS WITH AIDS, AND ALL PATIENTS, BY SELECTED CHARACTERISTICS: 1984-1986

[Based on National Hospital Discharge Survey; see source for details]

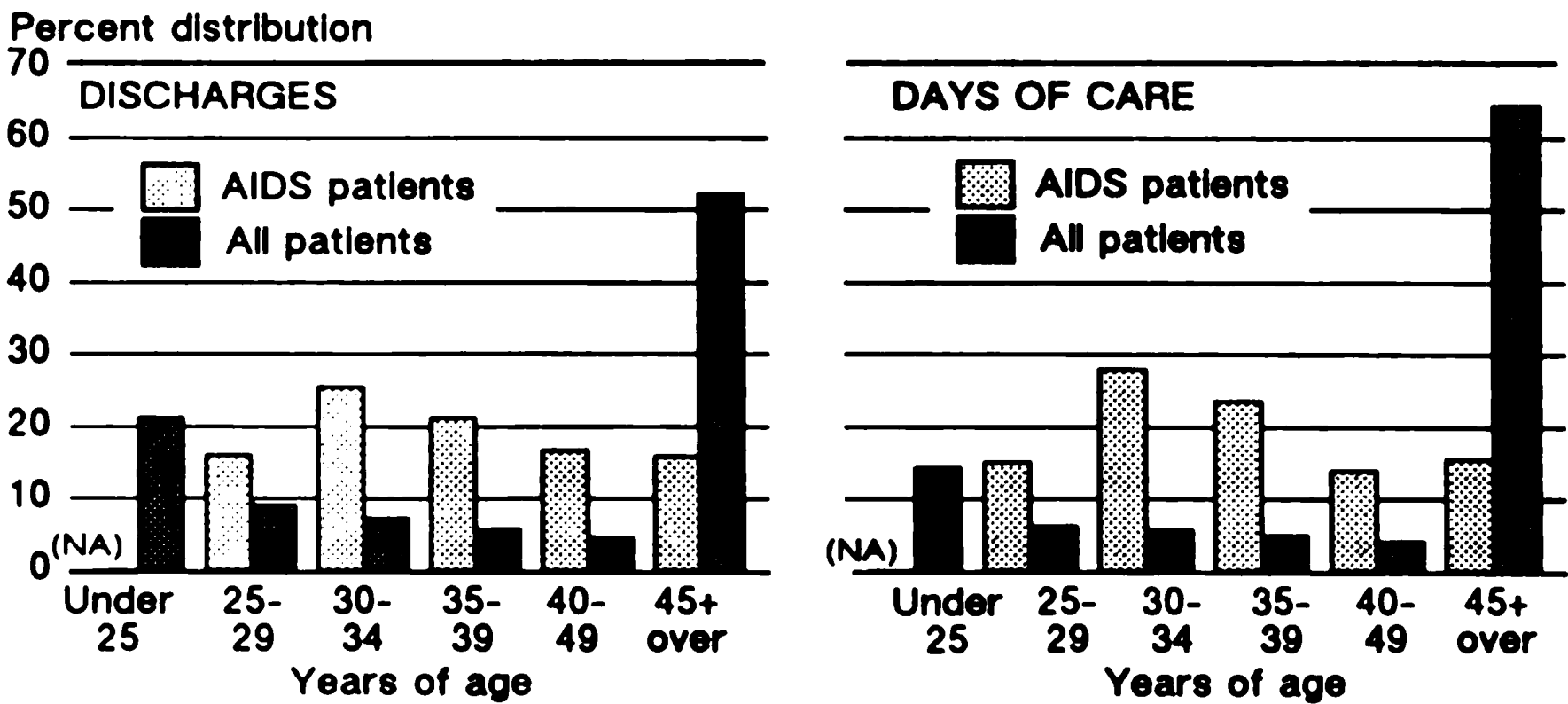
CHARACTERISTICS	DISCHARGES			DAYS OF CARE			AVERAGE LENGTH OF STAY (days)	
	Pa-tients with AIDS (1,000)	Percent distribution		Pa-tients with AIDS (1,000)	Percent distribution		AIDS pa-tients	All pa-tients
		AIDS pa-tients	All pa-tients		AIDS pa-tients	All pa-tients		
Total ¹	70	100.0	100.0	1,116	100.0	100.0	15.9	6.5
Age: Under 25 years old.....	(?)	(?)	21.2	(?)	(?)	14.2	(?)	4.4
25-29 years old.....	11	16.0	9.0	169	15.1	6.3	15.0	4.5
30-34 years old.....	18	25.4	7.3	312	28.0	5.7	17.5	5.1
35-39 years old.....	15	21.2	5.7	258	23.1	5.0	17.4	5.7
40-44 years old.....	12	16.7	4.6	155	13.9	4.2	13.3	6.0
45 years old and over.....	11	15.8	52.2	174	15.6	64.5	15.7	8.0
Male.....	66	94.5	40.4	1,051	94.1	43.0	15.8	6.9
Female.....	(?)	(?)	59.6	(?)	(?)	57.0	(?)	6.2
Race: White.....	49	69.4	75.3	638	57.1	76.1	13.1	6.5
All other.....	17	24.9	14.6	384	32.6	15.1	20.8	6.7
Not stated.....	(?)	(?)	10.0	(?)	(?)	8.8	(?)	5.7
Region: Northeast.....	25	35.1	20.2	505	45.3	23.9	20.5	7.7
West.....	30	42.4	18.2	355	31.8	15.5	11.9	5.5
Principal expected source of payment: ³								
Private insurance.....	38	54.0	63.8	547	49.0	61.3	14.4	5.3
Medicare.....	(?)	(?)	5.6	(?)	(?)	8.6	(?)	8.7
Medicaid.....	16	22.8	13.1	269	24.1	13.4	16.8	5.7
All other.....	14	19.8	17.4	263	23.6	16.7	18.9	5.4
Ownership of hospital: Nonprofit.....	50	71.0	66.7	760	68.0	70.9	15.2	6.7
Proprietary.....	(?)	(?)	9.9	(?)	(?)	9.5	(?)	5.9
Government.....	16	25.5	21.4	300	26.9	19.6	16.8	6.2
Bed size of hospital: Less than 300 beds.....	12	17.6	52.4	200	18.0	47.8	16.2	5.9
300 beds or more.....	58	82.4	47.6	916	82.0	52.2	15.8	7.1
Discharge status: Alive.....	57	81.3	96.0	824	73.8	93.6	14.4	6.3
Dead.....	13	17.9	2.7	279	25.0	5.0	22.2	12.0
Not stated.....	(?)	(?)	1.3	(?)	(?)	1.4	(?)	7.0

¹ Includes other regions, not shown separately. For composition of regions, see fig. 1, inside front cover. ² Figure does not meet standards of reliability or precision. ³ For patients under 65 years of age.

Source: U.S. National Center for Health Statistics, *Advance Data from Vital and Health Statistics*, No. 158, and unpublished data.

Figure 3.3

AIDS Patients-Hospital Discharges and Days of Care: 1984-1986



NA = Not available.

Source: Chart prepared by U. S. Bureau of the Census. For data see table 179.

No. 180. AIDS CASES REPORTED, BY PATIENT CHARACTERISTIC: 1981 TO 1988

[Provisional. For cases reported in the year shown. Data are subject to retrospective changes and may differ from those data in table 177]

CHARACTERISTIC	NUMBER								PERCENT DISTRIBUTION	
	Total	1981-82	1983	1984	1985	1986	1987	1988 ¹	1981-82	1988 ¹
Total.....	73,384	885	2,073	4,448	8,232	13,198	21,118	23,486	100.0	100.0
Age.....										
Under 13 years old.....	1,146	13	34	50	129	188	319	414	1.5	1.8
13-29 years old.....	15,387	202	480	982	1,703	2,825	4,401	4,844	23.5	20.8
30-39 years old.....	33,941	388	856	2,118	3,888	6,122	8,030	10,008	46.5	43.3
40-49 years old.....	15,378	178	451	923	1,703	2,088	4,513	4,918	20.8	20.9
50-59 years old.....	5,351	81	181	313	627	888	1,555	1,885	7.1	7.1
60 years old and over.....	2,181	5	31	82	196	378	709	788	.8	3.4
Sex.....										
Male.....	66,931	788	1,916	4,155	7,848	12,117	18,288	21,018	93.1	88.5
Female.....	6,442	98	157	293	588	1,082	1,819	2,478	6.9	10.5
Race/ethnic group.....										
White, non-Hispanic.....	43,423	482	1,181	2,888	5,012	7,888	13,001	13,182	58.3	56.0
Black, non-Hispanic.....	18,882	253	589	1,114	2,080	3,381	5,382	6,828	28.6	29.5
Hispanic.....	9,818	119	311	805	1,071	1,780	2,540	3,190	13.9	13.4
Other.....	883	4	18	39	88	119	215	215	.2	.9
Leading States: ²										
New York.....	18,415	481	857	1,588	2,482	3,796	3,887	5,244	53.7	22.3
California.....	15,800	134	455	1,008	1,988	2,888	4,882	4,504	15.8	19.2
Florida.....	5,378	87	183	314	555	1,003	1,832	1,855	7.8	8.3
New Jersey.....	5,221	84	135	281	480	770	1,515	1,985	7.5	8.5
Texas.....	5,140	20	85	250	485	942	1,679	1,675	2.3	7.1
Illinois.....	2,102	18	38	101	182	381	635	785	2.2	3.2
Pennsylvania.....	1,919	18	37	80	202	302	650	620	2.1	2.6
Georgia.....	1,637	11	34	58	183	230	507	547	1.3	2.3
Massachusetts.....	1,571	13	33	67	187	282	458	633	1.8	2.3
Maryland.....	1,285	5	27	53	180	185	481	411	.8	1.8
Ohio.....	1,025	8	7	28	54	208	327	381	.8	1.7
Washington.....	873	1	7	58	114	171	338	283	.1	1.2
Connecticut.....	916	11	19	57	88	178	246	319	1.3	1.4
Virginia.....	884	-	28	40	108	188	343	287	-	1.2
Michigan.....	821	3	9	32	81	148	211	388	.4	1.5
Missouri.....	808	1	7	27	51	73	238	304	.1	1.3
Tennessee.....	481	-	2	5	18	72	73	281	-	1.2
Percent of total.....	67.7	67.4	68.5	61.7	68.4	68.2	65.5	67.1	(X)	(X)

- Represents zero. X Not applicable. ¹ January 1 until late September. ² States with at least 280 cases reported from January through September 1988.

Source: U.S. Centers for Disease Control, Atlanta, GA, unpublished data.

No. 181. AIDS CASES, EXPENDITURES, AND APPROPRIATIONS FOR AIDS, BY CATEGORY AND LEADING STATES: 1984 TO 1988

[For fiscal years, except as indicated. Based on survey of State chairs of health, legislative budget analysts, commissioners of health and AIDS coordinators, and other State agencies with AIDS programs, (e.g. Departments of Education)]

ITEM	Unit	1984-88, total	1984	1985	1986	1987	1988	Percent change, 1987-88
Total diagnosed AIDS cases ¹	Number.....	47,022	4,085	8,717	18,503	33,285	47,022	41.3
Public Health Service expenditures.....	\$1,000.....	1,688,551	51,480	108,818	233,812	484,000	790,881	60.1
State government appropriations ²	\$1,000.....	289,422	9,285	9,594	27,531	58,738	155,274	134.2
Number of States.....	Number.....	(X)	5	8	21	28	37	(X)
Appropriations for—								
Education/information.....	Percent.....	(NA)	(NA)	(NA)	25	19	21	(X)
Support services.....	Percent.....	(NA)	(NA)	(NA)	12	11	19	(X)
Research.....	Percent.....	(NA)	(NA)	(NA)	41	27	17	(X)
Patient care.....	Percent.....	(NA)	(NA)	(NA)	4	15	16	(X)
Testing/counseling.....	Percent.....	(NA)	(NA)	(NA)	3	11	12	(X)
Leading areas by appropriations: ³								
California.....	\$1,000.....	113,082	3,400	4,084	18,020	31,515	58,635	84.1
New York.....	\$1,000.....	81,870	5,250	2,800	4,500	9,800	38,820	320.2
Florida.....	\$1,000.....	18,728	25	32	575	5,557	12,538	125.8
New Jersey.....	\$1,000.....	18,288	530	920	1,988	4,983	7,807	58.3
Massachusetts.....	\$1,000.....	14,788	(X)	1,500	1,804	4,073	7,581	86.4
Connecticut.....	\$1,000.....	5,027	(X)	(X)	(X)	227	4,800	2,014.5
District of Columbia.....	\$1,000.....	5,348	(X)	42	788	1,880	3,880	98.8
Illinois.....	\$1,000.....	5,742	(X)	(X)	(X)	2,314	3,428	48.1
Michigan.....	\$1,000.....	4,035	(X)	(X)	325	1,210	2,500	108.6
Maryland.....	\$1,000.....	3,328	(X)	(X)	450	877	2,002	128.3
Oregon.....	\$1,000.....	2,311	(X)	(X)	41	280	1,880	328.8
Alabama.....	\$1,000.....	2,185	(X)	(X)	104	188	1,883	888.1
Texas.....	\$1,000.....	1,882	(X)	(X)	72	75	1,535	1948.7
Minnesota.....	\$1,000.....	2,647	(X)	(X)	397	800	1,380	50.0
Percent of total.....	Percent.....	65.8	69.1	67.8	67.5	65.2	65.4	(X)

NA Not available. X Not applicable. ¹ Total cumulative number, as of beginning of fiscal year. ² Includes DC. Includes appropriations from State governments direct general revenue funds only; excludes Medicaid expenditures. ³ Areas with over \$1 million appropriations for 1988.

Source: Intergovernmental Health Policy Project, Washington, DC, "Comparing State Only Expenditures to NEHC", *American Journal for Public Health*, April 1988.

No. 182. ACUTE CONDITIONS, BY TYPE, 1970 TO 1986, AND BY SELECTED CHARACTERISTICS, 1986

[Covers civilian noninstitutional population. Estimates include only acute conditions which were medically attended or caused at least one day of restricted activity. Based on National Health Interview Survey; see Appendix III. See headnote, table 175. For composition of regions, see fig. 1, inside front cover]

YEAR AND CHARACTERISTIC	NUMBER OF CONDITIONS (mil.)					RATE PER 100 POPULATION				
	Infective and parasitic	Respiratory		Digestive system	Injuries	Infective and parasitic	Respiratory		Digestive system	Injuries
		Upper	Other				Upper	Other		
1970	48.2	127.3	92.5	23.0	59.2	24.1	63.7	46.3	11.5	29.6
1975	47.6	124.0	109.0	21.6	76.2	22.8	59.3	52.1	10.3	36.4
1980	53.6	124.2	129.0	24.9	72.7	24.6	57.0	59.2	11.4	33.4
1983	46.5	93.0	101.8	17.5	63.0	20.3	40.6	44.4	7.6	27.5
1984	46.5	88.0	117.4	17.5	62.8	20.1	38.0	50.7	7.6	27.1
1985	47.8	95.1	108.4	16.3	64.0	20.5	40.7	46.4	7.0	27.4
1986, total ¹	54.4	95.2	143.6	15.0	64.3	23.0	36.1	60.8	6.3	27.2
Under 5 years old	10.1	17.6	14.8	1.5	4.3	55.5	95.6	81.3	8.2	23.4
5-17 years old	17.9	23.0	39.7	3.7	15.5	39.9	51.2	88.2	8.3	34.5
18-24 years old	5.2	10.1	16.2	1.9	8.8	19.6	37.8	60.7	7.2	32.9
25-44 years old	14.5	20.0	44.4	3.6	20.7	19.5	27.0	59.8	5.1	27.9
45-64 years old	4.2	9.1	20.7	2.0	9.1	9.5	20.4	46.3	4.6	20.4
65 years old and over	2.4	5.4	7.9	2.0	5.9	8.8	19.6	26.6	7.3	21.3
Male	23.1	39.9	60.3	5.9	34.6	20.2	34.0	52.7	5.1	30.3
Female	31.2	46.3	83.3	9.1	29.7	25.6	37.9	68.3	7.5	24.3
White	50.1	72.4	130.0	12.0	56.9	25.0	38.2	65.0	6.0	26.4
Black	3.6	9.0	10.1	2.1	5.9	12.7	31.6	35.3	7.5	20.5
Northeast	12.2	22.6	24.2	3.4	11.4	24.1	44.6	47.8	8.8	22.6
Midwest	6.5	16.9	45.1	3.1	15.6	14.7	29.3	78.1	5.3	27.0
South	25.0	25.3	39.5	4.8	23.5	30.9	31.2	48.7	5.7	29.0
West	6.7	20.4	34.8	3.8	13.8	18.5	43.6	74.3	6.1	29.4
Family income:										
Under \$10,000	5.7	13.9	16.7	2.5	11.8	17.2	41.5	55.8	7.4	35.4
\$10,000-\$19,999	9.4	13.1	27.2	2.8	11.1	20.8	29.1	60.4	6.3	24.6
\$20,000-\$34,999	18.5	26.5	40.8	5.4	16.7	29.6	42.3	65.1	8.7	26.7
\$35,000 or more	16.5	22.6	42.1	2.3	17.5	25.9	35.5	66.1	3.7	27.4

¹ Includes other races and unknown income, not shown separately.
Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 10, and unpublished data.

No. 183. PREVALENCE OF SELECTED REPORTED CHRONIC CONDITIONS, BY AGE AND SEX: 1980 AND 1986

[See headnote, table 184]

CHRONIC CONDITION	1980		1986								
	Num-ber of con-di-tions (1,000)	Rate ¹	Num-ber of con-di-tions (1,000)	RATE ¹							
				Total	Under 16 yrs.	18-44 yrs.	45-64 yrs.	65-74 yrs.	75 yrs. and over	Male	Fe-male
Heart conditions	16,434	75.4	18,458	78.1	21.7	39.3	123.2	250.0	319.4	74.3	81.7
High blood pressure (Hypertension)	24,919	114.3	28,969	122.6	² 1.9	67.2	250.6	385.2	409.2	109.4	134.9
Varicose veins of lower extremities	5,930	27.2	6,856	29.0	(?)	22.6	56.3	76.2	71.9	9.1	47.7
Hemorrhoids	8,616	39.5	9,909	41.9	² 9	46.7	73.2	70.2	64.1	40.0	43.8
Chronic bronchitis	7,969	36.1	11,379	46.1	63.2	36.5	45.6	62.9	55.4	41.2	54.7
Asthma	6,803	31.2	9,630	41.0	51.1	36.4	36.3	46.4	36.3	40.8	41.1
Chronic sinusitis	31,956	145.0	34,366	145.5	65.8	170.4	187.0	168.6	170.7	129.0	161.9
Hay fever, allergic rhinitis without asthma	17,433	80.0	21,702	91.8	84.3	113.1	96.8	72.4	67.2	88.7	94.6
Dermatitis, including eczema	9,136	41.9	9,547	40.4	42.0	44.3	35.4	33.6	25.2	33.7	46.7
Diseases of sebaceous glands ³	5,046	23.2	5,830	24.7	22.2	34.9	18.2	² 6.1	² 7.2	24.6	24.6
Arthritis	27,773	127.4	30,911	130.8	² 2.0	47.9	284.8	443.3	540.1	94.0	165.2
Trouble with—											
Ingrown nails	(NA)	(NA)	5,382	22.8	9.7	20.0	32.9	39.6	57.8	20.6	24.6
Corns and calluses	(NA)	(NA)	4,833	20.4	² 1.6	19.4	34.0	39.7	54.4	14.6	25.9
Dry (itching) skin	(NA)	(NA)	4,600	19.5	9.1	21.9	21.0	27.7	38.4	17.4	21.3
Diabetes	5,665	26.0	6,585	27.9	² 2.4	8.7	63.7	91.9	106.5	25.6	29.8
Migraine	5,630	25.8	8,516	36.0	14.6	49.4	45.5	21.3	² 20.1	18.1	52.8
Diseases of urinary system	5,444	25.0	7,736	32.7	6.8	32.8	45.4	58.3	92.3	15.9	48.5
Visual impairments	7,984	36.6	8,352	35.3	12.2	26.7	46.3	69.3	136.3	43.7	27.5
Cataracts	(NA)	(NA)	5,031	21.3	² 6	1.5	21.1	64.3	233.2	13.4	26.7
Hearing impairments	17,370	79.7	20,732	87.7	20.1	51.8	136.2	244.2	378.4	102.6	73.8
Tinnitus	(NA)	(NA)	6,315	26.7	² 3.6	15.3	49.2	83.2	66.3	29.6	24.0
Deformities or orthopedic impairments	18,504	64.9	27,381	115.9	32.5	132.2	161.6	156.4	195.7	113.6	118.0
Hernia of abdominal cavity	(NA)	(NA)	4,584	19.4	4.7	9.5	36.9	46.5	64.8	20.1	18.7
Frequent indigestion	(NA)	(NA)	6,315	22.5	² 3.9	25.4	31.3	43.3	35.6	21.9	23.0
Frequent constipation	(NA)	(NA)	4,599	19.2	5.6	14.3	22.1	51.2	83.9	8.8	29.0

NA Not available. ¹ Conditions per 1,000 persons. ² Figure does not meet standards of reliability or precision. ³ Acne and sebaceous skin cyst.
Source: U.S. National Center for Health Statistics, unpublished data.

NO. 184. PERSONS WITH ACTIVITY LIMITATION, BY SELECTED CHRONIC CONDITIONS: 1980 AND 1985

[Covers civilian noninstitutional population. Conditions classified according to ninth revision of International Classification of Diseases. Based on National Health Interview Survey; see Appendix III. See headnote, table 175]

condition	Total ¹	AGE			SEX		RACE		FAMILY INCOME		
		Under 45 years	45-64 years	65 years and over	Male	Female	White	Black	Under \$20,000	\$20,000 to \$34,999	\$35,000 and over
1980											
Persons with limitation (mil.)	31.4	10.2	10.4	10.8	15.5	15.9	27.1	3.9			
Percent limited by—											
Heart conditions	16.4	4.3	19.7	24.5	18.0	14.7	16.6	15.2			
Arthritis and rheumatism	17.5	5.4	20.0	26.5	11.0	23.7	17.4	18.3			
Hypertension ²	9.9	3.3	13.2	13.1	7.7	12.1	8.6	19.2			
Impairment of back/spine	9.2	13.8	9.9	4.0	9.1	9.2	9.4	7.7			
Impairment of lower extremities and hips	6.0	10.7	7.2	6.4	9.0	7.1	8.1	7.2	(NA)	(NA)	(NA)
Percent of all persons with—											
No activity limitation	65.6	93.2	76.1	54.8	85.3	85.9	85.6	84.9			
Activity limitation	14.4	6.8	23.9	45.2	14.7	14.1	14.4	15.1			
In major activity	10.9	4.2	18.8	39.0	11.2	10.6	10.6	12.2			
1985											
Persons with limitation (mil.)	32.7	11.6	10.4	10.7	15.3	17.4	28.0	4.1	19.5	7.1	4.7
Percent limited by—											
Heart conditions	17.4	4.7	21.5	27.1	18.2	16.7	17.5	16.9	21.5	14.4	14.8
Arthritis and rheumatism	18.9	5.4	22.8	29.7	12.4	24.6	20.3	20.3	25.0	14.3	13.5
Hypertension ²	10.5	2.9	15.2	14.2	7.9	12.8	9.0	21.3	15.1	7.0	5.3
Impairment of back/spine	9.2	12.5	10.4	4.4	8.9	9.4	9.4	7.0	9.1	11.0	10.6
Impairment of lower extremities and hips	6.9	10.7	6.2	7.5	9.4	6.5	9.0	6.1	10.1	6.5	9.6
Percent of all persons with—											
No activity limitation	66.0	92.8	76.6	60.4	86.4	85.6	85.9	86.5	79.7	69.2	61.9
Activity limitation	14.0	7.2	23.4	39.6	13.6	14.4	14.1	14.5	20.3	10.8	8.1
In major activity	9.5	4.9	17.5	24.1	9.7	9.4	9.4	11.1	14.2	7.3	5.1

NA Not available. ¹Includes persons with unknown family income and other race, not shown separately. ²Covers all cases of hypertension, regardless of other conditions.

Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 10, and unpublished data.

NO. 185. IMPAIRED HEARING AND SIGHT AND PREVALENCE OF SELECTED CONDITIONS OF PERSONS 65 YEARS OLD AND OVER: 1984

[In thousands, except percent. Covers persons 65 years old and over who were living in communities outside of nursing homes or other institutions (civilian noninstitutional population). Based on a supplement to the National Health Interview Survey; see Appendix III. See also tables 42, 43, 166, and 606]

IMPAIRMENT OR CONDITION	65 years and over	AGE						LIVING—		
		65-74 years old			75-84 years old			65 years and over	Alone	With others
		Total	Male	Female	Total	Male	Female			
Total, 65 years and over	26,433	16,266	7,075	9,213	8,246	3,126	5,121	1,897	6,367	10,066
Percent with—										
Hearing impairment	26.7	23.2	30.3	17.7	34.3	42.3	29.5	51.4	26.9	29.5
Deafness in—										
One ear	6.9	6.0	7.2	5.0	7.7	9.1	6.9	11.4	6.6	7.1
Both ears	4.8	3.0	4.1	2.2	6.1	7.6	5.3	14.0	4.7	4.8
Using hearing aid	9.2	5.7	7.0	4.7	10.7	13.6	8.9	19.0	7.6	6.5
Visual impairment	12.9	9.6	10.1	9.3	15.9	17.0	15.3	27.6	13.4	12.6
Blindness in—										
One eye	3.1	2.2	2.8	1.7	4.2	5.2	3.5	5.9	3.1	3.1
Both eyes	1.2	.7	.7	.6	1.5	1.6	1.3	4.5	.9	1.3
Cataracts	18.4	12.4	9.3	14.8	28.4	21.1	29.6	35.2	22.6	16.3
Operation for cataracts	10.4	6.7	6.8	6.7	16.2	13.9	16.1	20.7	12.5	9.4
Using eyeglasses	95.1	95.4	94.3	96.2	95.4	93.3	96.7	91.4	94.6	95.2
Arthritis or rheumatism	52.5	51.0	43.9	56.5	55.2	43.9	62.1	53.3	57.2	50.3
Coronary heart disease	15.4	14.6	18.1	11.9	16.9	19.0	15.7	16.4	13.6	16.2
Hypertension	44.1	42.6	36.3	46.3	46.4	34.7	53.5	44.4	46.7	42.6

Source: U.S. National Center for Health Statistics, unpublished data from the Supplement on Aging to the 1984 National Health Interview Survey.

No. 180. FUNCTIONAL LIMITATIONS OF PERSONS 65 YEARS OLD AND OVER: 1984

[In thousands, except percent. Covers persons 65 years old and over who were living in communities outside of nursing homes or other institutions (civilian noninstitutional population). Based on a supplement to the National Health Interview Survey, see Appendix III. See also tables 42, 43, 185, and 608]

FUNCTIONAL LIMITATION	Per- sons 65 years and over	AGE							LIVING—	
		65-74 years old			75-84 years old			85 years and over	Alone	With others
		Total	Male	Fe- male	Total	Male	Fe- male			
Total, 65 years and over	28,433	16,388	7,875	8,213	8,340	3,138	5,121	1,887	8,387	18,836
Percent with difficulty ¹ in—										
Walking	18.7	14.2	12.9	15.1	22.9	18.3	25.7	38.9	20.4	17.9
Getting outside	9.6	5.6	4.5	6.5	12.9	7.5	15.3	31.3	9.7	9.5
Bathing or showering	9.6	6.4	5.7	6.9	12.3	9.2	14.2	27.9	6.9	9.7
Transferring ²	8.0	6.1	4.5	7.0	9.2	6.0	11.2	19.6	8.6	7.6
Dressing	9.2	4.3	4.4	4.2	7.6	7.3	7.7	16.5	5.0	6.9
Using toilet	4.3	2.3	2.4	2.7	5.4	3.6	6.5	14.1	3.4	4.7
Eating	1.3	1.2	1.5	.9	2.3	2.5	2.4	4.4	1.2	2.1
Preparing meals	7.1	4.0	3.0	4.5	3.6	8.0	10.5	25.1	6.0	7.6
Shopping for personal items	11.3	6.4	4.5	7.9	15.0	9.6	16.4	37.0	11.9	11.0
Managing money	5.1	2.2	2.5	1.9	6.3	5.4	6.5	24.0	4.0	5.5
Using the telephone	4.5	2.7	6.5	2.0	8.0	7.9	4.5	17.5	2.6	5.3
Doing heavy housework	22.9	19.6	11.2	24.3	25.7	16.9	36.4	47.8	29.0	21.9
Doing light housework	7.1	4.3	3.5	5.0	6.9	6.2	10.5	23.6	6.5	7.4
Percent not performing activity—										
Preparing meals	5.2	4.5	6.9	.5	5.5	12.0	1.6	6.9	1.1	7.1
Shopping for personal items	2.0	1.1	1.9	.5	2.5	2.9	2.2	7.5	2.2	1.9
Managing money	1.9	1.3	1.6	1.1	2.2	2.1	2.2	5.9	.8	2.4
Using the telephone .....	.8	.5	.8	.3	.9	1.4	.6	2.1	.6	.7
Doing heavy housework	9.7	6.1	12.7	4.5	11.5	16.3	6.9	15.9	7.1	11.0
Doing light housework	3.5	2.3	9.1	.3	4.0	7.3	1.7	7.1	.7	4.6
Percent of total receiving help ³ —										
Walking	4.7	2.9	2.5	2.9	5.7	3.7	6.9	15.6	2.4	5.7
Getting outside	5.3	2.7	2.2	3.1	6.9	3.7	6.9	21.2	4.1	5.9
Bathing or showering	8.0	3.3	3.3	3.3	7.7	9.6	6.4	21.9	3.0	7.0
Transferring ²	2.6	1.9	1.7	1.6	3.6	2.7	4.1	8.0	1.0	3.7
Dressing	4.3	2.6	3.3	2.7	5.1	5.7	4.7	13.3	1.7	5.6
Using toilet	2.2	1.2	1.4	1.1	2.9	2.3	3.2	9.2	.7	3.0
Eating	1.1	.8	.0	.5	1.5	1.9	1.4	2.7	.3	1.4
Preparing meals	6.0	3.3	2.9	3.7	7.1	5.4	8.2	23.7	3.6	7.0
Shopping for personal items	16.5	5.6	4.3	6.9	14.1	8.6	17.2	35.9	10.4	10.6
Managing money	4.5	2.1	2.6	1.7	5.6	5.0	6.3	23.5	3.6	5.3
Using the telephone	3.0	1.5	2.0	1.1	3.9	5.0	3.2	11.7	.9	3.9
Doing heavy housework	19.3	14.5	9.3	16.5	23.1	12.7	29.4	44.1	20.1	16.9
Doing light housework	9.2	3.6	3.2	4.0	7.6	5.7	5.7	21.6	4.6	6.0
Percent of those with difficulty ¹ receiving help ³ —										
Walking	24.0	20.4	21.3	19.4	24.3	20.2	26.9	36.3	11.6	31.7
Getting outside	60.6	48.0	49.4	47.3	65.7	49.4	57.5	63.0	42.0	62.4
Bathing or showering	60.6	51.9	55.4	47.9	62.6	71.6	55.1	75.1	35.5	72.5

¹ Difficulty due to a health or physical problem.

² Getting in or out of a bed or chair.

³ Receiving help due to a health-related problem with the specified difficulty.

Source: U.S. National Center for Health Statistics, *Aging in the Eighties: Functional Limitations of Individuals Age 65 Years and Over*, June 1987, and unpublished data from the Supplement on Aging to the 1984 National Health Interview Survey.

No. 187. PERSONS WITH KNOWN CASE OF DIABETES, BY SELECTED CHARACTERISTICS: 1986

[Covers civilian noninstitutional population 18 years old and over. Annual average. Based on subsamples of households in the National Health Interview Survey, see Appendix III]

SEX AND RACE	NUMBER (1,000)				RATE PER 1,000 POPULATION			
	Total	Under 45 years	45–64 years	65 years and over	Total	Under 45 years	45–64 years	65 years and over
Total persons with known diabetes ¹	6,886	1,629	2,948	2,707	27.9	6.3	63.7	85.2
Male	2,948	363	1,459	1,127	25.8	4.4	66.5	99.2
Female	3,638	657	1,829	1,560	29.8	8.1	59.4	97.6
White	5,476	890	2,326	2,262	27.4	6.5	59.7	91.4
Black	1,007	139	472	393	35.3	² 6.4	105.1	172.3

¹ Includes other races not shown separately.

² Figure does not meet standards of reliability or precision.

Source: U.S. National Center for Health Statistics, unpublished data.

NO. 188. CANCER—ESTIMATED NEW CASES, 1988, AND SURVIVAL RATES, 1974-1976 AND 1979-1984

[Five-year survival rates represent the number of persons who live at least five years after a disease is diagnosed per 100 persons diagnosed with the disease in a given time period. Survival data shown are based on those patients diagnosed while residents of an area listed below during the time periods shown. Data are based on information collected as part of the National Cancer Institute's Surveillance, Epidemiology and End Results (SEER) program, a collection of population-based registries in Connecticut, New Mexico, Utah, Iowa, Hawaii, Atlanta, Detroit, Seattle-Puget Sound, and San Francisco-Oakland]

SITE	ESTIMATED NEW CASES, ¹ 1988 (1,000)			FIVE-YEAR RELATIVE SURVIVAL RATES (percent)					
	Total	Male	Female	All races ²		White		Black	
				1974-1976	1979-1984	1974-1976	1979-1984	1974-1976	1979-1984
All sites ³	906	496	409	48	48	50	50	39	37
Lung	182	100	82	12	13	12	13	11	11
Breast	136	1	135	*74	*74	*74	*75	*62	*62
Colon	105	49	56	50	54	50	54	45	49
Prostate	99	99	(0)	58	71	67	73	55	60
Bladder	48	34	12	72	76	73	77	47	57
Rectum	42	22	20	48	50	46	51	41	34
Corpus (uteri)	34	(0)	34	68	62	69	63	61	52
Non-Hodgkin's lymphoma ⁴	32	18	14	47	49	47	49	47	49
Oral cavity and pharynx	30	20	10	53	51	54	54	35	31
Melanoma of skin	27	15	13	76	80	79	80	62	60
Pancreas	27	13	14	3	3	3	3	2	6
Leukemia ⁵	27	15	12	33	31	34	32	30	27
Stomach	25	15	10	14	17	14	18	15	17
Kidney	22	14	8	51	51	51	51	49	53
Ovary	19	(0)	19	35	38	38	37	41	38
Cervix uteri ⁶	13	(0)	13	65	68	69	67	61	59

X Not applicable. ¹ Estimates provided by American Cancer Society are based on rates from the National Cancer Institute's SEER program 1982-1984. ² Includes other races, not shown separately. ³ Includes other sites, not shown separately. ⁴ Female only. ⁵ All types combined. ⁶ Invasive cancer only.

Source: U.S. National Institute of Health, National Cancer Institute, *Annual Cancer Statistics Review*, Jan. 1989.

NO. 189. WOMEN WHO KNEW HOW TO DO BREAST SELF-EXAMINATION AND WOMEN WHO HAD A BREAST EXAMINATION OR PAP SMEAR—SELECTED CHARACTERISTICS: 1985

[In percent, except as indicated. For women 18 years of age and older. Based on National Health Interview Survey, see Appendix III]

CHARACTERISTIC	Number of women (1,000)	BREAST SELF-EXAMINATION		Had a breast exam ²	Had a PAP smear ²	CHARACTERISTIC	Number of women (1,000)	BREAST SELF-EXAMINATION		Had a breast exam ²	Had a PAP smear ²
		Knew how to do	Did ¹					Knew how to do	Did ¹		
Total ³	99,192	87.9	37.3	59.3	45.8	MARITAL STATUS					
AGE						Currently married	56,191	90.2	36.5	52.7	46.7
18 to 29 years old	24,756	89.0	31.3	60.2	60.1	Formerly married	19,561	82.2	37.7	44.2	35.9
30 to 44 years old	28,201	91.6	36.1	52.1	50.5	Never married	14,337	80.8	31.4	49.2	45.5
45 to 64 years old	23,297	89.1	41.6	48.2	37.7	EDUCATION					
65 years old and over	15,939	77.7	38.8	39.0	25.3	Less than 12 years	22,244	78.4	39.4	41.7	34.9
RACE						12 years	37,740	89.5	36.0	50.0	45.8
White	77,657	87.9	36.2	49.5	44.7	More than 12 years	29,942	91.8	37.5	57.0	53.2
Black	10,333	83.6	46.4	57.0	52.9	13 to 15 years	16,919	90.1	36.7	54.6	60.6
HISPANIC ORIGIN						16 or more years	13,023	94.1	36.5	60.3	58.4
Hispanic	5,380	75.4	35.7	49.5	47.1	EMPLOYMENT STATUS					
Non-Hispanic	84,430	87.7	37.3	50.4	45.6	Currently employed	47,294	90.3	36.6	53.9	51.0
REGION ⁴						Unemployed	3,178	88.7	35.3	51.2	49.9
Northeast	19,805	85.1	36.7	51.9	45.1	Not in labor force	39,751	82.8	38.2	46.0	38.6
Midwest	23,164	89.5	36.5	49.0	44.9	FAMILY INCOME					
South	30,749	85.7	39.6	50.8	46.4	Less than \$10,000	16,137	77.8	39.7	43.4	37.4
West	18,674	86.1	36.3	49.4	45.9	\$10,000 to \$19,999	19,100	87.8	35.7	47.7	42.9
						\$20,000 to \$34,999	23,062	90.6	34.6	53.1	48.9
						\$35,000 to \$49,999	12,275	92.5	38.9	54.4	61.7
						\$50,000 or more	8,106	92.3	40.9	60.0	52.6

¹ At least 12 times a year. ² In the past year. ³ Includes persons with unknown characteristics and other races not shown separately. ⁴ For composition of regions, see fig. 1, inside front cover.

Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 10, No. 163.

No. 190. PERSONAL HEALTH PRACTICES, BY SELECTED CHARACTERISTIC: 1985

(In percent. For persons 18 years of age and over. Based on National Health Interview Survey; see Appendix III)

CHARACTERISTIC	Sleeps 6 hours or less	Never eats breakfast	Snacks every day	Less physically active than contemporaries	Had 5 or more drinks on any one day ¹	Current smoker	30 percent or more above desirable weight ²
All persons ³	22.0	24.3	38.0	16.4	37.5	30.1	13.0
AGE							
18-29 years old	19.8	30.4	42.2	17.1	54.4	31.9	7.5
30-44 years old	24.3	30.1	41.4	18.3	39.0	34.5	13.6
45-64 years old	22.7	21.4	37.9	16.3	24.6	31.6	18.1
65 years old and over	20.4	7.8	30.7	13.5	12.2	16.0	13.2
65-74 years old	19.7	9.0	32.4	15.6	(NA)	19.7	14.9
75 years old and over	21.5	5.1	27.8	9.8	(NA)	10.0	10.3
SEX							
Male	22.7	25.2	40.7	16.5	40.3	32.0	12.1
Female	21.4	23.6	37.5	16.3	29.3	27.8	13.7
RACE							
White	21.3	24.5	39.4	16.7	38.3	29.6	12.4
All other	28.8	23.2	35.3	14.3	29.9	33.1	16.4
Black	27.8	23.8	37.2	13.8	29.3	34.9	18.7
Other	21.4	21.5	32.6	16.5	33.3	24.8	6.7
EDUCATION LEVEL							
Less than 12 years	23.3	22.6	37.8	12.3	35.9	36.4	17.5
12 years	21.9	25.6	36.8	16.5	36.6	33.4	13.4
More than 12 years	21.2	23.3	39.2	19.1	35.6	23.1	9.4
FAMILY INCOME							
Less than \$7,000	24.4	22.4	37.0	13.5		31.1	16.1
\$7,000 to \$14,999	21.8	22.9	37.4	14.7		33.4	15.3
\$15,000 to \$24,999	21.2	24.9	40.3	16.8		32.2	13.4
\$25,000 to \$39,999	22.4	26.1	41.2	17.2		30.0	12.1
\$40,000 or more	21.8	25.4	39.9	18.4		25.2	9.4

NA. Not available. ¹ Percent of drinkers who had 5 or more drinks on any one day in the past year. ² Based on 1980 Metropolitan Life Insurance Company standards. Data are self-reported. ³ Excludes persons whose health practices are unknown.

Source: U.S. National Center for Health Statistics, *Health Promotion and Disease Prevention, United States 1985*, series 10, No. 163 and unpublished data.

No. 191. DRUG USE, BY TYPE OF DRUG AND AGE GROUP: 1974 AND 1985

(Current users are those who used drugs at least once within month prior to this study. For 1985, based on national samples of 8,038 respondents residing in households. Subject to sampling variability; see source)

TYPE OF DRUG	PERCENT OF PERSONS 12-17 YEARS OLD				PERCENT OF PERSONS 18-25 YEARS OLD				PERCENT OF PERSONS 26 YEARS OLD AND OVER			
	Ever used		Current user		Ever used		Current user		Ever used		Current user	
	1974	1985	1974	1985	1974	1985	1974	1985	1974	1985	1974	1985
Marijuana	29.0	23.7	12.0	12.3	52.7	60.5	25.2	21.9	9.0	27.2	2.0	5.2
Inhalants	8.5	9.1	7	3.4	9.2	12.8	(z)	9	1.2	5.0	(z)	.6
Hallucinogens	8.0	3.2	1.3	1.1	16.6	11.5	2.5	1.8	1.3	6.2	(z)	(z)
Cocaine	3.8	5.2	1.0	1.8	12.7	25.2	3.1	7.7	6	9.5	(z)	2.1
Heroin	1.0	(z)	(z)	(z)	4.5	1.2	(z)	(z)	5	1.1	(z)	(z)
Analgesics ¹	(NA)	5.9	(NA)	1.9	(NA)	11.4	(NA)	2.1	(NA)	5.6	(NA)	.9
Stimulants ¹	5.0	5.6	1.0	1.8	17.0	17.3	3.7	4.0	3.0	7.9	(z)	.7
Sedatives ¹	5.0	4.0	1.0	1.1	15.0	11.0	1.8	1.7	2.0	5.2	(z)	.7
Tranquilizers ¹	3.0	4.8	1.0	.8	10.0	12.2	1.2	1.7	2.0	7.1	(z)	1.0
Alcohol	54.0	65.9	34.0	31.5	81.6	92.8	69.3	71.5	73.2	89.3	54.5	60.7
Cigarettes	52.0	45.3	25.0	15.8	68.8	76.0	48.8	37.2	65.4	60.5	39.1	32.8

NA. Not available. Z. Less than 5 percent. ¹ Nonmedical use.

Source: U.S. National Institute on Drug Abuse, *National Household Survey on Drug Abuse, Population Estimates 1985*.

No. 192. CIGARETTE SMOKING BY SEX AND AGE: 1970 TO 1985

[1970 and 1980, civilian noninstitutional population, 17 years old and over; 1985, 18 years old and over; 1985, 20 years old and over. Based on National Health Interview Survey; see Appendix III. Smoking data were obtained from self-respondents only]

YEAR, SEX AND AGE	Unit	Total population ¹	Persons who never smoked	Persons who ever smoked ²	Former smokers	PRESENT SMOKERS			
						Total ³	Cigarettes smoked per day (heaviest amount)		
							Under 15	15-24	25 or more
1970: Both sexes	1,000	133,132	58,675	72,678	23,859	48,819	15,517	20,628	10,963
Percent of total	Percent	100.0	44.8	54.6	17.9	36.7	11.7	15.5	8.2
Male	1,000	62,310	19,144	42,773	15,861	26,912	7,163	11,458	7,119
Percent of total	Percent	100.0	30.7	68.6	25.5	43.2	11.5	18.4	11.4
Female	1,000	70,822	40,531	29,905	7,998	21,907	8,354	9,170	3,844
Percent of total	Percent	100.0	57.2	42.2	11.3	30.9	11.8	12.9	5.4
1980: Both sexes ⁴	1,000	180,796	74,086	85,672	33,130	52,442	15,209	21,899	14,745
Percent of total	Percent	100.0	46.1	53.2	20.6	32.6	9.5	13.6	9.2
Male	1,000	75,970	26,906	48,423	20,672	27,751	6,589	11,543	9,145
Female	1,000	84,826	47,180	37,149	12,458	24,690	8,611	10,262	5,600
1985: Both sexes	1,000	180,714	76,784	88,684	36,210	53,473	15,361	23,486	13,860
Percent of total	Percent	100.0	46.1	53.8	21.7	32.1	9.2	14.0	8.2
Male	1,000	78,727	26,770	49,799	22,232	27,567	6,508	11,607	8,735
Female	1,000	87,967	48,024	39,885	13,978	25,907	8,853	11,593	4,915
1980: Both sexes	1,000	163,893	71,680	88,710	30,918	48,792	14,982	20,267	13,121
Percent of total	Percent	100.0	43.7	54.2	24.4	29.8	9.2	12.4	8.0
Male	1,000	77,187	26,293	48,107	24,086	25,821	6,421	10,198	3,179
Percent of total	Percent	100.0	34.1	63.6	31.2	32.4	8.3	13.2	10.6
20-24 years	1,000	9,768	5,463	4,005	1,088	2,937	1,023	1,405	501
25-44 years	1,000	35,100	12,887	21,636	8,610	13,026	3,256	5,237	4,454
45-64 years	1,000	21,215	5,104	15,637	8,707	6,931	1,461	2,719	2,708
65 years and over	1,000	11,105	3,038	7,826	5,702	2,127	682	833	516
Female	1,000	86,806	45,297	39,862	15,831	23,771	5,361	10,074	4,942
Percent of total	Percent	100.0	52.4	45.8	18.3	27.5	9.9	11.6	5.7
20-24 years	1,000	10,365	5,720	4,367	1,100	3,267	1,548	1,345	368
25-44 years	1,000	36,904	18,235	18,062	6,523	11,539	3,905	4,825	2,739
45-64 years	1,000	23,297	11,153	11,746	4,903	6,842	2,239	2,997	1,540
65 years and over	1,000	15,939	10,190	5,406	3,305	2,103	688	997	275

¹ Includes persons for whom smoking status is unknown. ² Excludes smokers with unknown present smoking status.
³ Includes smokers for whom the number of cigarettes smoked per day is unknown. ⁴ Estimates are based on data collected for 2 quarters, July-December, 1980.
Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, vol. 21, No. 3 supplement, June 1972; and unpublished data.

No. 193. CUMULATIVE PERCENT DISTRIBUTION OF POPULATION BY HEIGHT AND SEX: 1976-1980

[For persons 18 to 74 years old. Height was measured without shoes. Based on sample and subject to sampling variability; see source]

HEIGHT	MALES						FEMALES					
	18-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	18-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years
Percent under—												
4'8"	-	-	-	-	-	-	.05	-	.10	.28	.48	1.04
4'9"	-	-	-	-	-	-	.43	.23	.34	.35	1.07	2.27
4'10"	-	-	-	-	-	-	.94	.64	.95	1.22	3.02	4.23
4'11"	-	-	-	-	-	-	2.22	1.65	1.94	4.20	6.43	9.33
5' .....	.18	.05	.27	-	.27	.24	4.22	3.65	4.56	8.88	11.40	17.20
5'1" .....	.18	.31	.34	.19	.72	1.22	9.13	8.60	7.75	16.16	19.70	29.00
5'2" .....	.34	.42	.87	.70	.92	2.66	17.75	19.11	18.24	27.66	31.71	44.34
5'3" .....	.61	.54	2.07	1.50	2.78	5.97	29.08	32.96	33.11	39.83	45.87	59.15
5'4"	2.37	1.55	3.66	2.55	5.28	10.53	41.81	47.43	49.90	57.21	63.89	76.44
5'5"	3.65	4.36	6.36	5.72	9.29	18.31	58.09	61.36	63.86	70.47	77.44	86.97
5'6"	8.24	9.51	12.39	11.39	17.54	29.42	74.76	74.92	78.07	84.64	88.91	94.63
5'7"	16.18	15.25	17.63	21.24	29.10	41.63	85.37	85.65	87.95	91.21	94.56	97.66
5'8"	26.88	26.89	26.40	33.58	43.53	57.75	92.30	93.28	93.43	96.28	97.70	98.20
5'9"	38.89	39.68	42.52	50.39	58.21	69.96	96.23	97.19	97.18	98.17	98.36	99.81
5'10"	53.86	55.35	57.01	63.38	71.51	81.95	96.34	99.49	99.19	98.58	99.78	99.92
5'11"	66.25	69.67	70.70	76.94	83.09	89.59	99.38	99.68	99.39	99.64	99.81	100.00
6'	80.14	81.58	81.15	85.83	90.99	94.52	-	-	-	-	-	-
6'1"	86.54	89.95	90.04	93.43	96.26	97.82	-	-	-	-	-	-
6'2"	92.74	95.57	95.05	96.01	97.66	99.17	-	-	-	-	-	-
6'3"	96.17	97.98	97.82	99.35	98.90	99.86	-	-	-	-	-	-
6'4"	98.40	99.23	99.19	99.70	99.79	100.00	-	-	-	-	-	-

- Represents or rounds to zero.
Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 11, No. 238.

NO. 194. PER CAPITA CONSUMPTION OF MAJOR FOOD COMMODITIES: 1970 TO 1987

(In pounds, retail weight except as indicated. Consumption represents the residual after exports, nonfood use and ending stocks are subtracted from the sum of beginning stocks, domestic production, and imports. Based on Bureau of the Census population estimates. For similar but unrevised data, see *Historical Statistics, Colonial Times to 1970*, series G 681-816)

COMMODITY	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Red meat, total	162.8	153.9	156.9	164.4	147.0	162.3	151.9	152.8	148.9	144.0
Beef	84.4	88.0	78.4	77.1	76.8	78.2	78.1	78.8	78.4	73.4
Veal	2.5	3.4	1.5	1.6	1.7	1.6	1.8	1.8	1.9	1.5
Lamb and mutton	2.9	1.8	1.4	1.4	1.5	1.5	1.5	1.4	1.4	1.3
Pork (excluding lard)	61.9	59.6	66.1	64.6	58.6	61.9	61.5	62.0	58.6	59.2
Offals, edible	11.2	10.2	9.5	9.4	8.6	9.1	8.1	8.9	8.7	8.6
Fish and shellfish (edible weight) ¹	11.8	12.2	12.8	12.6	12.3	13.1	13.7	14.4	14.7	15.4
Fresh and frozen	8.9	7.5	8.0	7.8	7.7	8.0	8.3	9.0	9.0	10.0
Canned	4.5	4.3	4.5	4.8	4.3	4.8	4.9	5.1	5.4	5.1
Tuna	2.5	2.9	2.9	3.1	2.7	3.1	3.2	3.3	3.6	3.6
Cured	.4	.4	.3	.3	.3	.3	.3	.3	.3	.3
Poultry products										
Chicken (ready-to-cook)	40.1	39.9	40.8	51.3	52.7	53.4	55.2	57.6	58.7	62.7
Turkey (ready-to-cook)	8.1	8.5	10.5	10.7	10.8	11.2	11.3	12.1	13.3	15.1
Eggs (farm weight) (number)	308	276	271	264	264	260	259	258	250	249
Dairy products										
Total (milk equivalent)	563.9	536.4	543.4	540.9	555.5	572.4	581.2	582.7	580.8	595.2
Fluid milk and cream ²	275.1	261.2	246.4	240.6	236.7	236.1	236.0	236.5	237.5	235.7
Plain and flavored whole milk	218.1	181.1	147.0	139.6	134.1	130.6	128.6	122.7	116.4	108.9
Lower fat milk, total	60.0	72.7	91.2	92.9	93.1	95.9	98.1	104.6	110.4	113.8
Low-fat milk (2% and 1% fat)	29.8	53.2	70.2	72.0	72.8	74.2	77.3	81.7	86.6	89.2
Skim milk	11.8	11.5	11.7	11.2	10.6	10.6	11.5	12.5	13.3	14.0
Buttermilk	5.8	4.7	4.1	4.0	4.1	4.3	4.4	4.4	4.2	4.0
Flavored drink	3.0	3.3	6.3	6.6	5.5	6.8	6.0	6.0	6.3	6.3
Cream ³	3.8	3.3	3.4	3.4	3.5	3.9	4.0	4.3	4.6	4.7
Yogurt	.8	2.0	2.8	2.5	2.6	3.2	3.7	4.0	4.3	4.6
Sour cream and dip	1.1	1.8	1.8	1.8	1.9	2.1	2.2	2.3	2.3	2.4
Condensed and evaporated milk:										
Whole milk	7.0	5.2	3.8	4.0	4.0	3.8	3.7	3.7	3.8	3.8
Skim milk	5.0	3.5	3.3	3.2	3.0	3.2	3.7	3.5	4.3	4.2
Cheese ⁴	11.4	14.3	17.5	16.2	19.9	20.6	21.4	22.5	23.0	24.0
American	7.0	8.2	9.8	10.2	11.3	11.6	11.8	12.1	12.1	12.4
Cheddar	5.9	8.0	8.8	7.0	8.7	9.1	9.5	9.7	9.7	10.6
Italian	2.1	3.2	4.4	4.5	4.6	5.8	5.8	6.4	7.0	7.8
Mozzarella	1.2	2.1	3.0	3.0	3.3	3.7	4.0	4.6	5.2	5.6
Other ⁵	2.3	2.9	3.4	3.5	3.7	3.7	3.6	3.9	4.0	4.0
Swiss	.9	1.1	1.3	1.3	1.3	1.3	1.2	1.3	1.3	1.2
Cream and Neuchâtel	.8	.7	1.0	1.1	1.1	1.2	1.2	1.2	1.3	1.4
Cottage cheese	5.2	4.7	4.5	4.3	4.2	4.1	4.1	4.1	4.1	3.8
Ice cream (product weight)	17.8	18.8	17.5	17.4	17.9	18.0	18.1	18.1	18.4	18.3
Fats and oils										
Total, fat content only ⁶	52.6	52.3	57.2	57.7	58.2	60.0	58.8	64.0	64.1	62.7
Butter (product weight)	5.4	4.7	4.5	4.2	4.3	4.9	4.9	4.9	4.8	4.5
Margarine (product weight)	10.8	11.0	11.3	11.1	11.0	10.4	10.4	10.8	11.4	10.5
Lard (direct use)	4.8	2.9	2.6	2.5	2.5	2.1	2.1	1.8	1.7	1.8
Edible tallow (direct use)	-	-	1.1	1.0	1.3	2.1	1.7	1.9	1.8	1.0
Shortening	17.3	17.0	18.2	18.5	18.6	18.5	21.2	22.8	22.0	21.3
Saled and cooking oils	15.4	17.9	21.2	21.8	21.8	23.5	19.8	23.5	24.1	25.2
Other edible fats and oils	2.3	2.0	1.5	1.7	1.6	1.6	1.7	1.6	1.7	1.3
Grains										
Wheat flour ⁷	110.8	114.5	118.8	118.8	116.7	117.4	118.1	123.3	123.8	128.0
Rice, milled ⁸	8.7	7.8	9.4	11.0	11.8	9.7	8.9	9.1	11.8	13.4
Pasta	7.7	9.7	10.0	10.0	9.9	10.5	11.3	12.9	14.4	17.1
Breakfast cereals	10.6	12.0	12.9	13.0	13.1	13.4	14.0	14.4	14.8	15.2
Ready to eat	8.3	9.0	9.8	9.9	10.0	10.2	10.6	11.0	11.3	11.8
Ready to cook	2.4	2.9	3.1	3.1	3.2	3.2	3.4	3.4	3.5	3.6
Sweeteners, total (dry weight) ⁹	128.2	124.1	132.7	133.3	132.5	137.5	142.4	148.9	147.2	151.4
Sugar refined cane and beet ¹⁰	101.6	89.2	89.6	79.3	73.6	70.9	67.3	63.0	60.2	62.2
Corn sweeteners (dry weight)	19.2	27.5	40.2	44.5	48.1	52.1	57.8	66.5	67.1	68.8
High fructose	1.0	7.0	27.0	32.7	37.5	43.2	48.7	60.1	60.9	63.2
Non-caloric sweeteners (sugar sweetness equivalent) ¹¹	5.8	6.1	7.7	8.2	9.4	13.0	15.8	18.0	18.5	19.0
Saccharin	5.8	6.1	7.7	8.0	8.4	9.5	10.0	9.0	9.5	9.5
Aspartame	-	-	-	.2	1.0	3.5	5.8	12.0	13.0	13.5
Other										
Cocoa beans	3.9	3.2	3.4	3.6	3.7	4.0	4.3	4.6	4.5	4.9
Coffee (green beans)	13.6	12.2	10.3	10.3	10.2	10.2	10.1	10.2	10.2	10.2
Peanuts (shelled)	5.5	8.0	4.8	5.5	5.9	5.9	6.0	6.3	6.4	6.3
Food consumption index (1962-84=100)	98.4	97.1	98.6	98.4	98.1	100.1	101.8	104.0	104.6	105.5

- Represents zero ¹ Excludes consumption from recreational fishing, approximately 3 to 4 pounds per capita. ² Fluid milk figures are aggregate of commercial sales and milk produced and consumed on farms. ³ Heavy cream, light cream, and half and half. ⁴ Excludes cottage, pot, and baker's cheese. ⁵ Includes other cheeses, not shown separately. ⁶ The fat content of butter and margarine is 80 percent of product weight. ⁷ White, whole wheat, semolina, and durum flour. ⁸ For crop year beginning in previous year. ⁹ Includes edible syrups (maple, molasses, etc.) and honey, not shown separately. ¹⁰ Beginning 1982 includes small amount of refined sugar contained in imported blends and mixtures, including sucrose-decrose blends, sugar-sweetened tea mixes, and flavored syrups in consumer size containers. ¹¹ Assumes saccharin is 300 times as sweet as sugar and aspartame 200 times as sweet as sugar includes cyclamate which was banned by U.S. Food and Drug Administration effective in 1970.

Source: U.S. Department of Agriculture, Economic Research Service, *Food Consumption, Prices, and Expenditures, 1966-87*, forthcoming.

No. 105. FRUIT AND VEGETABLE CONSUMPTION PER CAPITA: 1970 TO 1987

[In pounds, See headnote, table 104]

COMMODITY	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
FRUITS										
Fresh fruits, total (retail weight)	78.9	81.5	88.4	83.1	83.7	86.4	87.8	86.3	83.2	86.6
Noncitrus ¹	48.0	53.2	58.5	58.0	58.8	60.0	64.6	63.7	65.6	71.5
Bananas	17.4	17.8	20.8	21.5	22.5	21.2	22.1	23.4	25.7	24.8
Apples	18.2	18.2	18.3	18.1	17.1	17.6	17.6	18.8	17.3	20.3
Grapes	2.5	2.9	3.3	3.4	4.9	4.9	5.6	6.6	6.9	6.5
Citrus ^{1,2}	27.8	28.4	27.9	24.1	23.9	28.3	23.2	22.3	26.8	27.2
Oranges	15.7	15.4	15.4	13.2	12.3	15.6	12.4	12.0	14.1	13.9
Grapefruit	7.9	6.1	7.8	6.7	7.3	7.8	6.1	6.6	5.6	6.6
Canned ³	14.4	11.8	10.7	10.0	9.7	9.2	8.9	8.4	8.4	8.7
Dried ⁴	2.5	2.7	2.2	2.4	2.7	2.8	2.8	2.9	3.0	3.1
Citrus fruit juices ⁵	31.7	45.8	44.6	42.1	44.2	48.8	42.0	46.7	48.8	48.6
Frozen (single-strength equivalent)	21.9	35.0	33.8	33.2	36.9	41.6	35.6	40.3	43.1	40.0
Orange	20.7	32.8	31.8	30.1	33.2	38.7	33.4	36.1	39.7	35.8
Canned ⁶	5.2	5.2	5.0	4.8	3.9	2.9	2.8	2.2	2.0	2.0
Citric (single-strength equivalent)	4.6	5.6	5.6	4.1	3.5	4.1	3.6	3.2	3.7	4.4
VEGETABLES⁷										
Selected fresh vegetables (retail weight) ⁸	84.0	88.6	72.6	71.5	74.2	74.7	75.8	78.8	79.8	78.6
Lettuce	20.8	21.9	24.9	23.9	23.8	23.8	24.2	23.2	21.8	21.1
Onions	11.6	12.6	12.9	12.3	14.3	14.4	15.1	15.6	15.7	15.3
Tomatoes	10.3	10.2	11.4	11.2	11.4	11.8	13.0	13.7	14.8	14.2
Selected vegetables for processing ⁹	82.4	90.8	92.8	88.5	86.8	86.5	85.5	92.1	91.1	91.6
Tomatoes for processing ¹⁰	52.6	52.6	54.1	50.4	51.0	51.7	58.1	53.8	53.9	54.9
Cucumbers for pickling	5.2	5.7	5.1	5.2	5.3	5.3	5.3	5.3	4.8	4.7
Other vegetables for canning ¹¹	22.0	19.4	19.8	19.3	17.8	17.7	15.8	17.3	17.8	18.2
Vegetables for freezing ¹²	12.5	13.1	13.6	13.6	12.7	13.8	16.2	15.8	14.7	16.0
Dry edible beans	6.3	6.5	5.4	5.4	6.5	6.7	5.1	6.9	6.7	7.9
Sweet potatoes (retail weight) ¹³	5.0	4.9	4.3	4.1	4.8	4.4	4.3	5.0	4.4	4.1
White potatoes:										
Fresh	59.8	50.5	48.0	43.8	44.8	47.9	46.8	44.7	47.6	42.3
Frozen	12.2	17.5	17.8	18.1	20.7	18.1	20.7	22.0	22.0	22.5
Chips and shoestring	4.3	3.8	4.1	4.1	4.2	4.4	4.4	4.3	4.4	4.6
Canned	1.2	1.3	1.2	1.1	1.2	1.2	1.1	1.2	1.2	1.1
Dehydrated	1.7	2.1	1.3	1.5	1.4	1.4	1.4	1.8	1.5	1.4

¹ Includes other fruits not shown separately. ² For crop year beginning in previous year. ³ Excludes apples, applesauce, cranberries, pineapples, and citrus sections. ⁴ For pack year. ⁵ Excludes canned concentrates (not pack) and tangerine juice. ⁶ Excludes production from home gardens. ⁷ Includes asparagus, broccoli, carrots, cauliflower, celery, and sweet corn, not shown separately. ⁸ Fresh equivalent. ⁹ Used in such processed products as ketchup, canned tomatoes, tomato paste, tomato puree, and tomato juice. ¹⁰ Includes asparagus, carrots, green peas, snap beans, and sweet corn. ¹¹ Includes asparagus, broccoli, carrots, cauliflower, green peas, snap beans, and sweet corn. ¹² Includes processed sweet potatoes on a fresh-equivalent basis.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Food Consumption, Prices and Expenditures*, annual, and unpublished data.

No. 106. PER CAPITA CONSUMPTION OF BEVERAGES, BY TYPE: 1970 TO 1987

[See headnote, table 104]

COMMODITY	AMOUNT (gallons)									PERCENT DISTRIBUTION			
	1970	1975	1980	1982	1983	1984	1986	1986	1987	1970	1975	1980	1986
Nonalcoholic ¹	88.1	96.1	84.3	82.2	82.5	81.9	84.7	86.0	(NA)	100.0	100.0	100.0	100.0
Milk	31.2	28.5	27.8	26.4	26.3	26.2	26.4	26.3	25.9	32.5	30.7	29.3	27.4
Whole (plain and flavored)	25.4	21.0	17.1	15.6	15.2	14.7	14.3	13.4	12.8	28.4	21.9	18.1	14.0
Lowfat milk	5.8	6.4	10.6	10.8	11.1	11.5	12.1	12.8	13.2	6.0	6.7	11.2	13.3
Tea	6.8	7.5	7.3	6.8	6.9	7.0	7.1	7.0	7.0	7.1	7.8	7.7	7.3
Coffee	33.4	31.4	26.8	26.7	26.6	26.5	26.7	26.7	26.5	34.8	32.7	28.4	27.8
Soft drinks	20.8	22.2	27.1	28.9	28.9	27.2	29.1	30.3	(NA)	21.8	23.1	28.7	31.8
Juices ²	3.9	5.5	5.4	5.3	5.8	5.0	5.4	5.6	5.5	4.1	5.7	5.7	6.0
Citrus	3.6	5.2	5.1	5.1	5.6	4.8	5.2	5.6	5.3	3.7	5.4	5.4	5.8
Noncitrus	.3	.3	.3	.2	.2	.2	.2	.2	.2	.3	.3	.3	.2
Alcoholic (adult population)	35.7	39.7	42.6	42.3	41.7	41.1	40.5	40.6	40.1	100.0	100.0	100.0	100.0
Beer	30.6	33.9	38.6	38.2	35.6	35.0	34.5	34.7	34.4	85.7	85.4	85.5	85.5
Wine	2.2	2.7	3.2	3.3	3.3	3.4	3.5	3.5	3.4	6.2	6.8	7.8	8.8
Distilled spirits	3.0	3.1	3.0	2.8	2.7	2.6	2.5	2.4	2.3	8.4	7.8	7.0	5.9

NA Not available. ¹ Excludes vegetable juices.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Food Consumption, Prices and Expenditures*, annual, and unpublished data.

NO. 197. NUTRITION—NUTRIENTS IN FOODS AVAILABLE FOR CIVILIAN CONSUMPTION PER CAPITA PER DAY AND INDEXES: 1960 TO 1985

[Computed by Human Nutrition Information Service (HNIS), USDA. Based on estimates of per capita food consumption (retail weight) by the Economic Research Service (ERS), on imputed consumption data for foods no longer reported by ERS, and on HNIS estimates of quantities of produce from home gardens. No deduction is made in food supply estimates for loss of food or nutrients in further processing, in marketing, or in the home. Data include iron, thiamin, riboflavin, niacin, vitamin A, vitamin B₆, vitamin B₁₂, and ascorbic acid added by enrichment and fortification. Minus sign (-) indicates decrease. See *Historical Statistics, Colonial Times to 1970*, series G 851-856 for related details.]

NUTRIENT	Unit	1960	1970	1975	1980	1982	1983	1984	1985	PERCENT CHANGE		
										1960-1970	1970-1980	1980-1985
Food energy	Calories	3,100	3,300	3,200	3,400	3,400	3,400	3,400	3,500	6.4	3.0	2.9
Protein	Grams	98	98	98	98	100	101	102	104	3.1	-	5.0
Total fat	Grams	143	155	149	158	158	162	162	168	8.4	1.9	7.0
Saturated fat	Grams	50	58	54	58	58	59	59	61	1.7	1.7	5.2
Monounsaturated fat	Grams	58	64	61	63	63	65	65	68	10.3	1.6	7.9
Polyunsaturated fat	Grams	20	27	27	31	31	32	30	33	35.0	14.8	8.5
Cholesterol	Milligrams	550	540	500	500	490	500	500	500	-3.6	7.4	-
Carbohydrate	Grams	377	380	381	392	396	397	401	413	.8	3.2	5.4
Vitamin A	Int'l. units	7,100	8,000	9,000	9,100	9,100	9,300	9,600	9,700	12.7	13.8	6.6
Vitamin A	Retinol equivalents	1,280	1,450	1,540	1,540	1,540	1,580	1,580	1,610	12.4	6.2	4.5
Carotenes	Retinol equivalents	420	470	580	580	600	610	640	650	11.8	25.5	11.8
Vitamin E	Milligram α-TE ^a	11.6	13.5	14.1	14.5	15.0	15.3	14.9	16.1	16.4	7.4	11.0
Ascorbic acid	Milligrams	100	103	111	110	110	115	111	115	3.0	6.8	4.5
Thiamin	Milligrams	1.9	2.0	2.0	2.2	2.2	2.2	2.2	2.2	5.3	10.0	-
Riboflavin	Milligrams	2.2	2.2	2.3	2.3	2.3	2.3	2.4	2.4	-	4.5	4.3
Niacin	Milligrams	21	23	23	24	25	25	25	26	9.5	4.3	8.3
Vitamin B ₆	Milligrams	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.1	5.3	-	5.0
Folic acid	Micrograms	288	280	290	280	293	296	296	299	-2.8	-	6.8
Vitamin B ₁₂	Micrograms	9.8	10.8	10.5	10.0	9.8	10.0	10.2	10.1	10.2	-7.4	1.0
Calcium	Grams	92	87	87	87	89	90	92	91	5.4	-	4.6
Phosphorus	Grams	1.48	1.46	1.47	1.47	1.49	1.51	1.53	1.54	-	-1.3	4.8
Magnesium	Milligrams	320	310	320	310	320	320	320	330	-3.1	-	6.5
Iron	Milligrams	14.2	14.9	15.1	14.9	15.2	16.6	16.8	17.0	4.9	-	14.1
Zinc	Milligrams	12.1	12.7	12.6	12.4	12.6	12.7	12.8	13.0	5.0	-2.4	4.8
Copper	Milligrams	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	-	-	6.2
Potassium	Milligrams	3,540	3,410	3,390	3,300	3,350	3,400	3,420	3,480	3.7	-3.2	4.8
INDEXES (1967 = 100)												
Food energy	Percent	97	103	100	106	106	106	106	109	6.2	2.9	2.8
Protein	Percent	98	101	100	101	102	103	104	106	9.1	-	5.0
Fat	Percent	95	103	99	105	105	107	107	112	8.4	1.9	6.7
Carbohydrate	Percent	100	101	101	104	106	106	107	110	1.0	3.0	5.8

- Represents zero ^a Includes other types of fat, not shown separately. ^a Alpha-Tocopherol equivalents.

Source: U.S. Dept. of Agriculture, Human Nutrition Information Service. Data published by Economic Research Service in *Food Consumption, Prices, and Expenditures*, annual; and *National Food Review*, quarterly.

NO. 198. DAILY PER CAPITA INTAKE OF ENERGY AND SELECTED NUTRIENTS, BY SEX AND AGE: 1976-1980

[Represents median daily intake per person. Data are based on 24-hour recall of a respondent to a sample survey in the second National Health and Nutrition Examination Survey. Subject to sampling variability; see source. For definition of median, see Guide to Tabular Presentation.]

SEX AND NUTRIENT		Unit	1-5 years	6-11 years	12-17 years	18-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65+ years
MEN											
Energy	K cal	1,428	1,992	2,487	2,731	2,577	2,299	2,224	1,998	1,723	
Protein	Gm	51	72	91	104	98	87	87	78	67	
Fat	Gm	55	78	98	108	103	93	91	79	68	
Calcium	Gm	758	1,034	1,063	1,001	805	716	733	665	597	
Iron	Mg	8	12	15	16	16	15	15	13	12	
Vitamin A	I.U.	3,087	3,995	4,051	3,984	3,556	3,528	3,789	3,710	3,929	
Vitamin C	Mg	71	79	71	78	88	86	76	62	79	
WOMEN											
Energy	K cal	1,344	1,782	1,877	1,593	1,547	1,510	1,377	1,308	1,221	
Protein	Gm	48	62	60	59	59	57	52	51	48	
Fat	Gm	53	70	68	62	63	60	54	52	48	
Calcium	Gm	722	875	882	805	535	506	474	475	475	
Iron	Mg	8	10	10	10	10	10	10	9	9	
Vitamin A	I.U.	2,637	3,466	2,708	2,893	2,782	2,678	3,161	3,341	3,346	
Vitamin C	Mg	68	87	48	59	55	53	69	68	90	

Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 11, No. 231, and unpublished data.



Section 4

Education

This section presents data primarily concerning formal education as a whole, at various levels, and for public and private schools. Data shown relate to the school-age population and school enrollment, educational attainment, education personnel, and financial aspects of education. In addition, data are shown for libraries, computer usage in schools, and adult education. The chief sources are the decennial census of population and the Current Population Survey (CPS), both conducted by the Bureau of the Census (see text, section 1); annual, biennial, and other periodic surveys conducted by the National Center for Education Statistics, a part of the U.S. Department of Education; and surveys conducted by the National Education Association.

The censuses of population have included data on school enrollment since 1840 and on educational attainment since 1940. The CPS has reported on school enrollment annually since 1945 and on educational attainment periodically since 1947.

The National Center for Education Statistics is continuing the pattern of statistical studies and surveys conducted by the U.S. Office of Education since 1870. The annual *Digest of Education Statistics* provides summary data on pupils, staff, finances, including government expenditures, and organization at the elementary, secondary, and higher education levels. It is also a primary source for detailed information on Federal funds for education, projections of enrollment, graduates, and teachers. *The Condition of Education*, issued annually, presents a summary of information on education of particular interest to policymakers.

Other sources of data include special studies by the National Center for Education Statistics, and annual or biennial reports of education agencies in individual States. The census of governments, conducted by the Bureau of the Census every 5 years (for the years ending in "2" and "7"), provides data on school district finances and State and local government expenditures for education. Reports published by the Bureau of Labor Statistics contain data relating employment experience to educational attainment.

Types and sources of data.—The statistics in this section are of two general types. One type, exemplified by data from the Bureau of the Census, is based on direct interviews with individuals to obtain information about their own and their family members' education. Data of this type relate to school enrollment and level of education attained, classified by age, sex, and other characteristics of the population. The school enrollment statistics reflect attendance or enrollment in any regular school within a given period; educational attainment statistics reflect the highest grade completed by an individual.

For enrollment data starting in October 1981, the CPS used 1980 census population controls; for years 1971 through 1980, 1970 census population controls had been used. This change had little impact on summary measures (e.g., medians) and proportional measures (e.g., enrollment rates); however, use of the controls may have significant impact on absolute numbers. Where appropriate for comparability purposes, 1981 data have been provided in two ways—once based on 1970 controls, and once based on 1980 controls; see, for example, table 205.

The second type, generally exemplified by data from the National Center for Education Statistics and the National Education Association, is based on reports from administrators of educational institutions and of State and local agencies having jurisdiction over education. Data of this type relate to enrollment, attendance, staff, and finances for the Nation, individual States, and local areas.

Unlike the National Center for Education Statistics, the Census Bureau does not regularly include specialized vocational, trade, business, or correspondence schools in its surveys. The National Center for Education Statistics includes nursery schools and kindergartens that are part of regular grade schools in their enrollment figures. The Census Bureau includes all nursery schools and kindergartens. At the higher education level, the statistics of both agencies are concerned with institutions granting degrees or offering work acceptable for degree-credit, such as junior colleges.

School attendance.—All States require that children attend school. While State laws vary as to the ages and circumstances of compulsory attendance, generally they require that formal schooling begin by age 6 and continue to age 16.

Schools.—The National Center for Education Statistics defines a school as "a division of the school system consisting of students composing one or more grade groups or other identifiable groups, organized as one unit with one or more teachers to give instruction of a defined type, and housed in a school plant of one or more buildings. More than one school may be housed in one

school plant, as is the case when the elementary and secondary programs are housed in the same school plant."

Regular schools are those which advance a person toward a diploma or degree. They include public and private nursery schools, kindergartens, graded schools, colleges, universities, and professional schools. **Public schools** are schools controlled and supported by local, State, or Federal governmental agencies; **private schools** are those controlled and supported mainly by religious organizations or by private persons or organizations.

The Bureau of the Census defines **elementary schools** as including grades 1 through 8; **high schools** as including grades 9 through 12; and **colleges** as including junior or community colleges, regular 4-year colleges, and universities and graduate or professional schools. Statistics reported by the National Center for Education Statistics and the National Education Association by type of organization, such as elementary level and secondary level, may not be strictly comparable with those from the Bureau of the Census because the grades included at the two levels vary, depending on the level assigned to the middle or junior high school by the local school systems.

School year.—Except as otherwise indicated in the tables, data refer to the school year which, for elementary and secondary schools, generally begins in September of the preceding year and ends in June of the year stated. For the most part, statistics concerning school finances are for a 12-month period, usually July 1 to June 30. Enrollment data generally refer to a specific point in time, such as fall, as indicated in the tables.

Statistical reliability.—For a discussion of statistical collection, estimation, and sampling procedures and measures of statistical reliability applicable to Census Bureau and the National Center for Education Statistics data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1870*. See Appendix IV.

NO. 199. SCHOOL ENROLLMENT, 1955 TO 1987, WITH PROJECTIONS TO 1995, AND NUMBER OF SCHOOLS, 1955 TO 1985

[In thousands. Enrollment as of fall; number of schools for school year ending the following year. See *Historical Statistics, Colonial Times to 1870*, series H421-425]

ITEM AND YEAR	TOTAL		ELEMENTARY ¹		SECONDARY		COLLEGE	
	Public	Private	Public	Private	Public	Private	Public	Private
Enrollment:²								
1955	32,184	5,777	22,159	3,800	8,521	800	³ 1,484	⁴ 1,177
1965	46,144	6,251	26,670	4,800	15,804	1,400	3,970	1,951
1970	52,337	7,516	27,501	4,052	18,406	1,311	6,426	2,153
1971	52,680	7,344	27,686	3,900	18,386	1,300	6,804	2,144
1972	52,615	7,144	27,323	3,700	18,421	1,300	7,071	2,144
1973	52,650	7,183	26,436	3,700	18,996	1,300	7,420	2,183
1974	53,042	7,235	26,382	3,700	18,671	1,300	7,889	2,255
1975	53,626	7,350	25,640	3,700	19,151	1,300	8,836	2,350
1976	52,970	7,528	25,430	3,825	18,887	1,342	8,653	2,366
1977	52,424	7,677	24,954	3,797	18,629	1,343	8,647	2,437
1978	51,335	7,660	25,017	3,732	17,534	1,353	8,784	2,475
1979	50,662	7,533	24,543	3,700	17,102	1,300	9,037	2,533
1980	50,444	7,671	24,156	3,662	16,851	1,339	9,457	2,640
1981	49,746	8,224	23,819	4,100	16,280	1,400	9,647	2,794
1982	49,348	8,330	23,575	4,200	15,777	1,400	9,868	2,790
1983	49,035	8,487	24,010	4,315	15,342	1,400	9,683	2,762
1984	48,772	8,485	24,147	4,300	15,146	1,400	9,477	2,765
1985	48,966	8,325	24,290	4,195	15,219	1,352	9,479	2,765
1986	49,558	8,379	24,201	4,300	15,636	1,300	9,722	2,779
1987 ⁵	49,906	8,538	25,053	4,400	15,147	1,300	9,706	2,836
1990, proj	50,529	(NA)	26,296	(NA)	14,457	(NA)	9,777	2,806
1995, proj	52,891	(NA)	27,316	(NA)	16,128	(NA)	9,448	2,702
Schools:⁶								
1955	(X)	(X)	104.4	12.4	26.0	3.9	7	1.2
1965	(X)	(X)	73.2	15.3	26.6	4.6	.8	1.4
1970	(X)	(X)	65.6	14.4	26.4	3.8	1.1	1.5
1975	(X)	(X)	62.6	16.4	25.4	5.9	⁷ 1.5	⁸ 1.6
1976	(X)	(X)	62.0	16.1	24.5	5.8	⁷ 1.5	⁸ 1.7
1980	(X)	(X)	61.1	16.8	24.4	6.7	⁷ 1.5	⁸ 1.7
1984	(X)	(X)	59.6	(NA)	23.9	(NA)	⁷ 1.6	⁸ 1.8
1985	(X)	(X)	60.6	(NA)	23.4	(NA)	⁷ 1.5	⁸ 1.9

NA Not available. X Not applicable. ¹ Enrollment includes kindergarten. ² For regular schools. ³ Degree-credit enrollment only. ⁴ Elementary and secondary data are estimates; higher education data are preliminary. ⁵ Excludes schools not reported by level, such as special education. Schools with both elementary and secondary programs are included under elementary and also secondary. ⁶ Branch campuses counted separately.

Source: U.S. National Center for Education Statistics, *Digest of Education Statistics*, annual; and *Projections of Education Statistics*, annual.

NO. 200. SCHOOL EXPENDITURES, BY TYPE OF CONTROL AND LEVEL OF INSTRUCTION: 1960 TO 1988

(In millions of dollars. For school years ending in year shown. Due to conceptual and methodological differences, these data may not agree with data in table 201. See also Appendix III. See *Historical Statistics, Colonial Times to 1970*, series H 484, 489, and 500 for related but not comparable data, and H 513-518 for private schools.)

YEAR	Total	ELEMENTARY AND SECONDARY SCHOOLS			COLLEGES AND UNIVERSITIES		
		Total	Public	Private ¹	Total	Public	Private
1960	23,880	16,713	15,813	1,100	7,147	3,804	3,344
1970	65,409	43,183	40,883	2,800	26,276	18,234	8,041
1975	105,884	85,846	84,546	4,000	39,818	28,888	12,852
1976	116,708	78,101	70,801	4,800	43,806	29,736	13,889
1977	126,417	79,184	74,184	5,000	47,223	31,887	15,226
1978	137,042	88,544	86,544	5,700	50,488	34,031	16,457
1979	148,308	93,012	88,712	6,300	55,286	37,110	18,187
1980	165,827	103,182	95,982	7,200	62,486	41,434	21,031
1981	182,849	112,325	104,125	8,200	70,534	46,658	23,886
1982	197,801	120,486	111,186	9,300	77,315	50,813	26,502
1983	212,081	128,725	118,425	10,300	83,366	54,338	29,018
1984	228,587	138,000	127,500	11,300	88,587	58,124	31,473
1985	247,857	148,400	137,000	12,400	96,257	63,704	34,553
1986, prel	268,486	161,800	148,800	13,200	107,886	70,089	37,816
1987 ¹	288,500	173,500	159,400	14,200	115,000	75,800	40,300
1988 ¹	308,800	184,500	169,700	15,100	124,000	81,300	42,700

¹ Estimated.

Source: U.S. Department of Education, National Center for Education Statistics, *Digest of Education Statistics*, annual.

NO. 201. SCHOOL EXPENDITURES, BY SOURCE OF FUNDS: 1970 TO 1988

(For school years ending in year shown. Includes nursery, kindergarten, and special programs when provided by school system. All nonpublic school data and all data beginning 1980 are estimates. Due to revised methodology, data for 1970 and 1975 are not comparable to later years.)

SOURCE OF FUNDS AND TYPE OF SCHOOL	TOTAL (in \$B.)								PERCENT			
	1970	1975	1980	1982	1983	1984	1986	1988, prel.	1970	1980	1986	1988, prel.
Total	70.4	111.1	166.8	187.8	212.1	228.6	247.7	288.5	100.0	100.0	100.0	100.0
Federal	7.5	12.1	18.8	15.5	16.7	18.7	21.3	23.5	10.7	11.4	8.6	8.7
State	22.2	38.7	64.2	76.3	81.3	87.0	98.1	105.4	31.5	36.8	38.8	36.9
Local	22.8	33.2	43.3	51.9	55.4	60.1	63.9	67.8	32.1	28.1	25.6	25.1
All other	18.1	27.1	39.1	51.1	58.6	61.8	65.9	72.8	25.7	23.6	27.0	27.0
Public	66.8	91.3	137.4	162.0	172.8	186.6	200.7	218.7	94.7	83.0	81.0	81.2
Federal	5.8	9.8	14.8	14.0	14.2	14.8	15.8	17.3	8.7	8.9	8.4	8.4
State	22.1	38.4	63.9	75.8	80.8	86.4	96.5	104.7	31.4	38.8	38.8	38.8
Local	22.5	33.1	43.1	51.7	55.2	59.8	63.1	67.5	32.0	28.0	25.5	25.0
All other	6.4	10.0	15.6	20.5	22.6	24.6	26.8	29.1	9.1	8.4	10.8	10.8
Private	12.6	19.8	29.2	35.8	39.3	43.0	47.0	50.8	18.3	17.0	19.0	18.8
Federal	1.7	2.3	4.1	4.6	4.6	4.9	5.5	6.2	2.4	2.5	2.2	2.3
State and local	2	4	8	7	7	8	9	9	2	4	4	3
All other	11.7	17.1	23.5	30.7	34.0	37.2	40.6	43.8	15.6	14.2	16.4	16.2
Elementary and secondary	68.7	72.2	108.2	138.6	158.7	158.0	148.4	181.8	100.0	100.0	100.0	100.0
Federal	3.4	6.0	8.4	8.2	8.4	8.7	9.1	9.9	7.4	8.1	8.1	8.1
State	15.8	27.2	44.7	52.5	56.5	60.7	65.8	73.2	34.6	43.3	44.7	45.2
Local	21.7	31.7	41.8	49.8	53.2	57.8	60.8	65.0	47.5	40.3	40.7	40.2
All other	4.8	7.3	7.5	9.6	10.7	11.9	12.8	13.6	10.5	7.9	8.6	8.4
Public	41.0	65.0	98.0	111.2	118.4	127.5	137.0	148.6	89.7	93.0	91.7	91.8
Federal	3.4	6.0	8.4	8.2	8.4	8.7	9.1	9.9	7.4	8.1	8.1	8.1
State	15.8	27.2	44.7	52.5	56.5	60.7	65.8	73.2	34.6	43.3	44.7	45.2
Local	21.7	31.7	41.8	49.8	53.2	57.8	60.8	65.0	47.5	40.3	40.7	40.2
All other	1	1	3	3	4	4	4	4	2	3	3	2
Private	4.7	7.2	7.2	9.3	10.3	11.5	12.4	13.2	10.3	7.0	8.3	8.2
Institutions of higher education	24.7	38.9	68.6	77.3	83.4	88.8	98.3	107.7	100.0	100.0	100.0	100.0
Federal	4.1	8.1	9.5	10.3	10.3	11.0	12.2	13.6	16.8	15.2	12.4	12.8
State	8.4	11.5	19.6	23.5	24.9	26.3	29.4	32.2	25.9	31.4	29.9	29.9
Local	9	15	17	21	22	23	25	27	24.8	27	26	25
All other	12.3	19.8	31.8	41.5	46.0	49.8	54.1	58.1	53.9	50.6	55.1	54.9
Public	15.8	28.2	41.4	50.8	54.3	58.1	63.7	70.1	64.0	66.2	64.8	65.1
Federal	2.4	3.8	5.4	5.8	5.8	6.1	6.7	7.4	9.7	8.6	8.8	8.9
State	6.3	11.2	18.2	23.0	24.3	25.7	28.7	31.5	25.5	30.7	29.2	29.2
Local	3	1.4	1.3	1.9	2.0	2.1	2.3	2.5	8.2	2.4	2.3	2.3
All other	6.8	8.9	16.3	20.2	22.2	24.2	25.9	28.7	25.5	24.5	28.3	28.8
Private	8.9	12.6	21.0	26.5	29.0	31.5	34.6	37.6	35.0	33.8	35.2	34.9
Federal	1.7	2.3	4.1	4.6	4.6	4.9	5.5	6.2	6.8	6.6	5.6	5.8
State and local	2	4	8	7	7	8	9	9	3	1.0	9	9
All other	7.0	6.8	16.3	21.4	22.7	25.7	29.2	30.4	28.3	28.1	29.7	28.2

Source: U.S. Department of Education, National Center for Education Statistics, *Digest of Education Statistics*, annual.

NO. 202. FEDERAL OUTLAYS FOR EDUCATION AND RELATED ACTIVITIES, BY LEVEL OF EDUCATION, AGENCY AND PROGRAM: 1980 TO 1988

[In millions of dollars. For fiscal years ending in June. To the extent possible, amounts reported represent outlays, rather than obligations]

LEVEL, AGENCY AND PROGRAM	1980	1985	1986	1987	1988 ¹	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Total	34,315.9	38,756.7	38,719.0	38,877.4	43,365.5	43,365.5	43,365.5	43,365.5	43,365.5	43,365.5	43,365.5	43,365.5	43,365.5	43,365.5	43,365.5	43,365.5
Percent of Federal budget outlays	5.8	4.1	4.0	4.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Elementary/secondary education	16,827.7	16,807.3	17,050.6	17,262.1	18,068.3	18,068.3	18,068.3	18,068.3	18,068.3	18,068.3	18,068.3	18,068.3	18,068.3	18,068.3	18,068.3	18,068.3
Department of Education ²	6,529.1	7,206.7	7,552.0	7,552.0	8,320.0	8,320.0	8,320.0	8,320.0	8,320.0	8,320.0	8,320.0	8,320.0	8,320.0	8,320.0	8,320.0	8,320.0
Grants for the disadvantaged	3,204.7	4,206.6	3,404.7	3,206.9	3,840.6	3,840.6	3,840.6	3,840.6	3,840.6	3,840.6	3,840.6	3,840.6	3,840.6	3,840.6	3,840.6	3,840.6
Special programs	780.9	526.4	618.9	869.5	748.1	748.1	748.1	748.1	748.1	748.1	748.1	748.1	748.1	748.1	748.1	748.1
Education for the handicapped	821.6	1,018.0	1,237.9	1,339.2	1,800.7	1,800.7	1,800.7	1,800.7	1,800.7	1,800.7	1,800.7	1,800.7	1,800.7	1,800.7	1,800.7	1,800.7
Vocational and adult education	860.7	655.3	1,034.6	1,230.5	878.7	878.7	878.7	878.7	878.7	878.7	878.7	878.7	878.7	878.7	878.7	878.7
Department of Agriculture ³	4,064.5	4,134.9	4,428.1	4,562.1	4,836.5	4,836.5	4,836.5	4,836.5	4,836.5	4,836.5	4,836.5	4,836.5	4,836.5	4,836.5	4,836.5	4,836.5
Agriculture Marketing Serv.—Commodities ⁴	3,377.1	3,664.6	3,816.7	4,044.8	4,404.7	4,404.7	4,404.7	4,404.7	4,404.7	4,404.7	4,404.7	4,404.7	4,404.7	4,404.7	4,404.7	4,404.7
Special milk programs	386.0	336.6	344.4	350.1	350.9	350.9	350.9	350.9	350.9	350.9	350.9	350.9	350.9	350.9	350.9	350.9
Department of Defense ⁵	150.3	15.0	16.3	15.4	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
Junior ROTC	370.8	631.6	903.6	861.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4
Overseas dependent schools	32.0	66.8	58.6	57.4	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
Department of Energy ⁶	338.6	613.4	691.4	664.6	755.2	755.2	755.2	755.2	755.2	755.2	755.2	755.2	755.2	755.2	755.2	755.2
Energy conservation for school buildings	77.8	23.0	21.4	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1
Department of Health and Human Services	77.2	22.7	21.0	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
Head Start	1,077.0	1,531.1	1,455.3	1,543.5	1,565.3	1,565.3	1,565.3	1,565.3	1,565.3	1,565.3	1,565.3	1,565.3	1,565.3	1,565.3	1,565.3	1,565.3
Social Security student benefits	735.0	1,076.1	1,040.3	1,130.6	1,206.3	1,206.3	1,206.3	1,206.3	1,206.3	1,206.3	1,206.3	1,206.3	1,206.3	1,206.3	1,206.3	1,206.3
Department of the Interior ⁷	342.0	456.0	415.0	413.0	389.0	389.0	389.0	389.0	389.0	389.0	389.0	389.0	389.0	389.0	389.0	389.0
Mineral Leasing Act and other funds	111.6	186.4	104.2	123.9	130.6	130.6	130.6	130.6	130.6	130.6	130.6	130.6	130.6	130.6	130.6	130.6
Indian education	206.2	202.9	203.3	216.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8
Department of Labor	1,650.0	1,845.3	1,876.6	1,966.4	2,048.1	2,048.1	2,048.1	2,048.1	2,048.1	2,048.1	2,048.1	2,048.1	2,048.1	2,048.1	2,048.1	2,048.1
Job Corps	470.0	604.7	632.6	656.4	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1
Job Training Partnership Act ⁸	1,380.0	1,340.5	1,344.0	1,330.0	1,330.0	1,330.0	1,330.0	1,330.0	1,330.0	1,330.0	1,330.0	1,330.0	1,330.0	1,330.0	1,330.0	1,330.0
Department of the Treasury	935.9	273.7	251.8	236.3	211.9	211.9	211.9	211.9	211.9	211.9	211.9	211.9	211.9	211.9	211.9	211.9
General Revenue Share	545.8	344.6	137.8	118.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
Veterans Administration	440.0	224.0	137.8	118.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
Non-collegiate and job training programs	156.8	136.5	126.7	132.7	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
Other elementary/secondary programs and agencies	10,941.8	10,946.3	11,083.5	10,077.2	11,088.1	11,088.1	11,088.1	11,088.1	11,088.1	11,088.1	11,088.1	11,088.1	11,088.1	11,088.1	11,088.1	11,088.1
Higher education	5,862.2	6,202.5	6,444.9	7,436.7	8,391.2	8,391.2	8,391.2	8,391.2	8,391.2	8,391.2	8,391.2	8,391.2	8,391.2	8,391.2	8,391.2	8,391.2
Department of Education ²	3,882.8	4,162.7	4,585.2	4,779.5	5,319.3	5,319.3	5,319.3	5,319.3	5,319.3	5,319.3	5,319.3	5,319.3	5,319.3	5,319.3	5,319.3	5,319.3
Student financial assistance	1,406.0	3,534.8	3,322.7	2,548.2	2,829.6	2,829.6	2,829.6	2,829.6	2,829.6	2,829.6	2,829.6	2,829.6	2,829.6	2,829.6	2,829.6	2,829.6
Guaranteed student loans	369.8	404.5	402.0	419.1	529.0	529.0	529.0	529.0	529.0	529.0	529.0	529.0	529.0	529.0	529.0	529.0
Higher education	10.5	17.7	16.9	16.9	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3
Department of Agriculture	545.0	1,041.7	1,068.3	1,079.8	1,051.4	1,051.4	1,051.4	1,051.4	1,051.4	1,051.4	1,051.4	1,051.4	1,051.4	1,051.4	1,051.4	1,051.4
Tuition assistance for military personnel	(NA)	77.1	89.7	111.4	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5
Service academies ⁹	106.1	196.4	214.5	223.7	224.0	224.0	224.0	224.0	224.0	224.0	224.0	224.0	224.0	224.0	224.0	224.0
Senior ROTC	(NA)	354.0	362.4	362.4	361.2	361.2	361.2	361.2	361.2	361.2	361.2	361.2	361.2	361.2	361.2	361.2
Professional development education	(NA)	414.2	402.1	382.3	364.7	364.7	364.7	364.7	364.7	364.7	364.7	364.7	364.7	364.7	364.7	364.7
Department of Energy ⁶	57.7	18.4	17.8	16.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7
University laboratory cooperative program	2.8	8.5	5.7	9.9	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
Energy conservation for buildings	53.9	12.7	11.6	8.8	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5

- Represents zero. NA Not available. ¹ Estimated. ² Includes other programs or agencies, not shown separately. ³ Purchased under Section 32 of the Act of August 1935, for use in child nutrition programs. ⁴ Beginning 1965, includes eligible schools on military installations for free education of dependents. ⁵ 1980 covers CETA programs. ⁶ Includes three programs where receipts to Federal government exceeded outlays. ⁷ Institutional costs only. ⁸ Includes Vietnam-era veterans under Chapter 34 (GI Bill) of the "Readjustment Benefits" education and training program. ⁹ Sources: U.S. Department of Education, National Center for Education Statistics, Digest of Education Statistics, annual.

NO. 203. ENROLLMENT IN PUBLIC AND PRIVATE SCHOOLS, BY CONTROL AND LEVEL, 1965 TO 1987, AND PROJECTIONS, 1990 AND 1995

[In thousands. As of fall. Data are for regular day schools and exclude independent nursery schools and kindergartens, residential schools for exceptional children, subcollegiate departments of colleges, Federal schools for Indians, and federally operated schools on Federal installations. College data include degree-credit and nondegree-credit enrollment]

CONTROL OF SCHOOL AND LEVEL	1965	1970	1980	1981	1982	1983	1984	1985	1986	1987, est.	1990, proj.	1995, proj.
Total	54,384	58,853	58,415	57,971	57,878	57,532	57,237	57,313	57,938	58,444	(NA)	(NA)
Public	48,143	52,337	50,444	49,747	49,348	49,035	48,772	48,968	49,559	49,906	50,529	52,891
Private ¹	8,251	7,516	7,971	8,224	8,330	8,497	8,465	8,325	8,379	8,538	(NA)	(NA)
Kindergarten through 8	35,463	36,829	31,686	31,345	31,356	31,312	31,218	31,244	31,704	32,383	(NA)	(NA)
Public	30,583	32,577	27,674	27,245	27,156	26,997	26,918	27,049	27,404	27,983	29,386	30,736
Private ¹	4,900	4,052	3,992	4,100	4,200	4,315	4,300	4,195	4,300	4,400	(NA)	(NA)
Grades 9 through 12	13,010	14,843	14,662	14,255	13,898	13,755	13,775	13,822	13,734	13,517	(NA)	(NA)
Public	11,610	13,332	13,313	12,855	12,496	12,355	12,375	12,480	12,434	12,217	11,386	12,704
Private ¹	1,400	1,311	1,339	1,400	1,400	1,400	1,400	1,362	1,300	1,300	(NA)	(NA)
College	5,921	6,581	12,097	12,372	12,428	12,465	12,242	12,247	12,501	12,544	12,585	12,151
Public	3,970	6,428	9,457	9,647	9,898	9,883	9,477	9,479	9,722	9,706	9,777	9,448
Private	1,951	2,153	2,640	2,724	2,730	2,782	2,765	2,768	2,779	2,838	2,808	2,702

NA Not available. ¹ Data for 1970 and later years have been revised since originally published.

Source: U.S. Dept. of Education, National Center for Education Statistics, *Projections of Education Statistics, annual, Digest of Education Statistics*, annual; and unpublished data.

NO. 204. ENROLLMENT IN PUBLIC AND PRIVATE SCHOOLS: 1960 TO 1986

[In millions, except percent. As of October. For civilian noninstitutional population. For 1960, 5 to 34 years old; thereafter 3 to 34 years old (data for 35 years old and over not available by control of school)]

YEAR	PUBLIC						PRIVATE					
	Total	Nursery	Kindergarten	Elementary	High school	College	Total	Nursery	Kindergarten	Elementary	High school	College
1960	38.0	(NA)	27.5	8.2	2.3	7.2	(NA)	4.9	1.0	1.3		
1965	45.5	.1	2.4	27.6	11.5	3.8	8.2	.4	.6	4.9	1.5	1.8
1970	52.2	.3	2.6	30.0	13.5	5.7	8.1	.8	.5	3.9	1.2	1.7
1975	52.8	.6	2.9	27.2	14.5	7.7	8.2	1.2	.5	3.3	1.2	2.0
1980	(NA)	.6	2.7	24.4	(NA)	(NA)	(NA)	1.4	.5	3.1	(NA)	(NA)
1982	49.2	.7	2.7	24.4	13.0	8.4	8.7	1.4	.6	3.0	1.1	2.6
1983	48.7	.8	2.7	24.2	12.6	8.2	9.0	1.5	.7	3.0	1.2	2.6
1984	49.0	.8	3.0	24.1	12.7	8.5	8.3	1.6	.5	2.7	1.1	2.4
1985	48.0	.9	3.2	23.8	12.8	8.4	9.0	1.6	.8	3.1	1.2	2.5
1986	49.2	.8	3.3	24.2	12.7	8.2	8.9	1.7	.8	3.0	1.2	2.5
Percent White:												
1960	85.7	(NA)	84.3	86.2	92.2	95.7	(NA)	85.3	86.7	86.3		
1965	85.0	73.2	85.5	83.3	88.5	92.9	95.5	91.1	90.9	88.4	85.7	85.3
1970	84.5	59.5	84.4	82.1	85.8	90.7	93.4	91.1	88.2	84.1	85.1	82.6
1975	83.2	56.3	82.9	82.3	83.5	87.3	91.6	88.6	86.1	83.3	84.2	80.9
1980	(NA)	66.2	80.7	80.9	(NA)	(NA)	(NA)	89.0	87.0	80.7	(NA)	(NA)
1982	81.1	69.1	79.7	80.3	81.1	85.0	89.1	89.9	88.4	89.5	82.7	85.6
1983	80.9	68.6	80.6	79.9	80.8	84.9	89.0	89.6	88.6	89.6	89.2	86.9
1984	80.7	71.4	78.5	79.9	80.7	84.6	88.9	89.1	88.9	90.1	82.1	88.0
1985	80.3	72.2	79.0	79.1	80.4	85.1	89.9	89.9	88.7	90.6	82.2	88.7
1986	79.9	72.0	77.8	79.0	80.3	83.7	89.8	89.6	90.4	90.3	89.3	88.5

NA Not available.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 429, and earlier reports; and unpublished data.

NO. 205. SCHOOL ENROLLMENT, BY SEX AND LEVEL, 1960 TO 1986

[In millions. As of Oct. For the civilian noninstitutional population. For 1960, persons 5 to 34 years old; 1965 and 1970, 3 to 34 years old; thereafter, 3 years old and over. Elementary includes kindergarten and grades 1-8; high school, grades 9-12; and college, 2-year and 4-year colleges, universities, and graduate and professional schools. Data for college represent degree-credit enrollment]

YEAR	ALL LEVELS ¹			ELEMENTARY			HIGH SCHOOL			COLLEGE		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1960	46.3	24.2	22.0	15.7	8.2	7.5	5.2	5.1	3.8	2.3	1.2	
1965	54.7	28.5	26.2	35.5	18.2	17.3	13.0	6.5	6.5	5.7	3.5	2.2
1970	60.4	31.4	28.9	37.1	19.0	18.1	14.7	7.4	7.3	7.4	4.4	3.0
1975	62.2	32.1	30.1	33.8	17.3	16.5	15.7	8.0	7.7	10.9	5.9	5.0
1979	60.0	30.5	29.5	31.6	16.1	15.3	15.6	7.9	7.7	11.1	5.6	5.6
1979	59.3	30.1	29.3	30.9	15.9	15.0	15.2	7.7	7.5	11.4	5.5	5.9
1980	56.6	29.8	26.8	30.6	15.8	14.8	14.6	7.3	7.3	11.4	5.4	6.0
1981 ²	56.4	29.5	26.9	30.1	15.5	14.7	14.4	7.3	7.1	11.8	5.6	6.2
1981 ³	59.9	30.3	29.6	31.0	15.9	15.0	14.7	7.5	7.3	12.1	5.8	6.3
1982	59.4	30.0	29.4	30.7	15.8	14.9	14.2	7.2	7.0	12.3	5.9	6.4
1983	59.3	30.1	29.2	30.6	15.7	14.8	14.1	7.1	7.0	12.3	6.0	6.3
1984	58.9	29.9	29.0	30.2	15.6	14.7	13.9	7.1	6.8	12.3	6.0	6.3
1985	59.6	30.0	29.7	30.7	15.7	15.0	14.1	7.2	6.9	12.5	5.9	6.6
1986	60.1	30.4	29.7	31.1	16.1	15.0	14.0	7.1	6.8	12.4	5.8	6.6

¹ Beginning 1985, includes nursery schools, not shown separately.

² Population controls based on 1970 census; see text, sections 1 and 4.

³ Population controls based on 1980 census; see text, sections 1 and 4.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 429, and earlier reports; and unpublished data.

NO. 202. FEDERAL OUTLAYS FOR EDUCATION AND RELATED ACTIVITIES, BY LEVEL OF EDUCATION, AGENCY AND PROGRAM: 1960 TO 1968

(In millions of dollars. For fiscal years ending in June. To the extent possible, amounts reported represent outlays, rather than obligations)

LEVEL, AGENCY AND PROGRAM	1960	1965	1966	1967	1968 ¹	1968	1968	1967	1966	1965	1964
Total	34,316.9	36,794.7	36,714.0	36,877.4	43,865.5	2,235.7	2,235.7	283.8	274.8	283.8	284.8
Percent of Federal budget outlays	5.8	4.1	4.0	4.0	4.1	40.7	40.7	202.7	196.0	202.7	203.8
Elementary/secondary education	16,027.7	16,807.3	17,060.8	17,282.1	18,890.8	70.7	70.7	2.3	2.1	2.3	2
Department of Education ²	6,829.1	7,296.7	7,552.0	7,554.5	8,320.0						
Grants for the disadvantaged	3,204.7	4,206.8	3,404.7	3,209.9	3,940.8						
Special programs	788.9	508.4	818.9	889.5	749.1						
Education for the handicapped	821.8	1,018.0	1,827.9	1,359.2	1,800.7	12.9	12.9	9.8	8.4	9.8	10.1
Vocational and adult education	860.7	658.3	1,034.6	1,230.5	978.7	122.1	122.1	81.1	48.2	81.1	37.5
Department of Agriculture ³	4,054.5	4,134.9	4,436.1	4,898.1	4,938.5	1,599.0	1,599.0	108.7	108.7	108.7	116.7
Child nutrition programs	3,377.1	3,894.8	3,919.7	4,044.8	4,404.7	80.2	80.2	48.4	55.7	48.4	54.2
Agricultural Marketing Serv.—Commodities ⁴	388.0	338.5	344.4	350.1	350.9	35.4	35.4	54.0	54.0	54.0	61.5
Special milk programs	168.3	18.0	18.3	15.4	23.7	12.5	12.5	47.2	44.1	47.2	63.2
Department of Defense ⁵	370.8	631.6	933.5	691.4	688.4	2,318.0	2,318.0	1,284.1	1,284.1	1,284.1	1,453.8
Junior ROTC	32.0	55.6	58.6	57.4	58.3	1,166.1	1,166.1	48.7	42.3	48.7	48.9
Overseas dependent schools	268.8	613.4	691.4	654.9	765.2	64.6	64.6	65.0	74.2	65.0	110.9
Department of Energy	77.8	23.0	21.4	12.1	12.1	51.1	51.1	148.5	148.5	148.5	168.7
Energy conservation for school buildings	1,077.0	1,531.1	1,455.3	1,543.5	1,595.3	1,800.0	1,800.0	121.8	121.8	121.8	117.5
Department of Health and Human Services	735.0	1,078.1	1,040.3	1,130.5	1,208.3	1,800.0	1,800.0	171.9	171.9	171.9	201.3
Head Start	342.0	488.0	415.0	413.0	389.0	176.3	176.3	106.7	111.9	106.7	94.8
Social Security student benefits	318.3	368.8	308.3	344.2	341.0	1,800.0	1,800.0	182.8	182.8	182.8	182.8
Department of the Interior ⁶	111.8	188.4	104.2	123.8	130.5	1,800.0	1,800.0	182.8	182.8	182.8	182.8
General Leasing Act and other funds	206.2	302.9	203.3	218.8	208.8	1,800.0	1,800.0	182.8	182.8	182.8	182.8
Indian education	1,800.0	1,848.3	1,978.8	1,988.4	2,048.1	1,800.0	1,800.0	182.8	182.8	182.8	182.8
Department of Labor	470.0	604.7	632.6	658.4	716.1	1,800.0	1,800.0	182.8	182.8	182.8	182.8
Job Corps	1,360.0	1,340.5	1,344.0	1,360.0	1,360.0	1,800.0	1,800.0	182.8	182.8	182.8	182.8
Job Training Partnership Act ⁷	635.9	272.7	251.8	235.9	211.9	1,800.0	1,800.0	182.8	182.8	182.8	182.8
Department of the Treasury General Revenue Share	545.8	344.0	337.8	318.7	285.5	1,800.0	1,800.0	182.8	182.8	182.8	182.8
Veterans Administration	440.0	224.0	137.8	118.7	88.5	1,800.0	1,800.0	182.8	182.8	182.8	182.8
Non-collegiate and job training programs	158.8	136.5	128.7	152.7	180.0	1,800.0	1,800.0	182.8	182.8	182.8	182.8
Other elementary/secondary programs and agencies	18,841.8	10,888.3	11,083.5	10,877.2	11,088.1	1,800.0	1,800.0	182.8	182.8	182.8	182.8
Higher education	5,882.2	6,202.5	6,444.9	7,438.7	6,391.2	1,800.0	1,800.0	182.8	182.8	182.8	182.8
Department of Education ²	3,882.8	4,182.7	4,585.2	4,779.8	5,318.3	1,800.0	1,800.0	182.8	182.8	182.8	182.8
Student financial assistance	1,408.0	3,534.8	3,322.7	2,548.2	2,829.0	1,800.0	1,800.0	182.8	182.8	182.8	182.8
Guaranteed student loans	388.8	404.5	402.0	418.1	529.0	1,800.0	1,800.0	182.8	182.8	182.8	182.8
Higher education	10.5	17.7	16.9	16.9	18.3	1,800.0	1,800.0	182.8	182.8	182.8	182.8
Department of Agriculture	545.0	1,041.7	1,088.3	1,079.8	1,081.4	1,800.0	1,800.0	182.8	182.8	182.8	182.8
Department of Defense	(NA)	77.1	88.7	111.4	101.5	1,800.0	1,800.0	182.8	182.8	182.8	182.8
Tuition assistance for military personnel	108.1	188.4	214.8	223.7	224.0	1,800.0	1,800.0	182.8	182.8	182.8	182.8
Service academies ⁸	(NA)	364.0	362.0	362.4	361.2	1,800.0	1,800.0	182.8	182.8	182.8	182.8
Senior ROTC	(NA)	414.2	402.1	382.3	384.7	1,800.0	1,800.0	182.8	182.8	182.8	182.8
Professional development education	67.7	18.6	17.8	18.7	22.7	1,800.0	1,800.0	182.8	182.8	182.8	182.8
Department of Energy ⁹	3.8	8.5	5.7	8.9	13.8	1,800.0	1,800.0	182.8	182.8	182.8	182.8
University laboratory cooperative program	63.5	12.7	11.8	9.5	8.5	1,800.0	1,800.0	182.8	182.8	182.8	182.8
Energy conservation for buildings						1,800.0	1,800.0	182.8	182.8	182.8	182.8

- Represents zero. NA Not available. ¹ Estimated. ² Includes other programs or agencies, not shown separately. ³ Purchased under Section 32 of the Act of August 1955, for use in child nutrition programs. ⁴ Beginning 1965, includes state-wide schools on military installations for live education of dependents. ⁵ 1960 covers CETA programs. ⁶ Includes three programs where receipts to Federal government exceeded outlays. ⁷ Institutional costs only. ⁸ Includes Vietnam-era veterans under Chapter 34 (GI Bill) of the "Readjustment Benefits" education and training program.

Source: U.S. Department of Education, National Center for Education Statistics, Digest of Education Statistics, annual.

NO. 203. ENROLLMENT IN PUBLIC AND PRIVATE SCHOOLS, BY CONTROL AND LEVEL, 1965 TO 1987, AND PROJECTIONS, 1990 AND 1995

[In thousands. As of fall. Data are for regular day schools and exclude independent nursery schools and kindergartens, residential schools for exceptional children, subcollegiate departments of colleges, Federal schools for Indians, and federally operated schools on Federal installations. College data include degree-credit and nondegree-credit enrollment]

CONTROL OF SCHOOL AND LEVEL	1965	1970	1980	1981	1982	1983	1984	1985	1986	1987, est.	1990, proj.	1995, proj.
Total	54,384	58,853	58,415	57,971	57,578	57,532	57,237	57,313	57,988	58,444	(NA)	(NA)
Public	46,143	52,337	50,444	49,747	48,348	48,035	48,772	48,988	49,559	49,905	50,529	52,091
Private ¹	8,251	7,516	7,971	8,224	8,330	8,497	8,465	8,325	8,379	8,538	(NA)	(NA)
Kindergarten through 8	35,463	38,629	31,866	31,345	31,356	31,312	31,218	31,244	31,704	32,383	(NA)	(NA)
Public	30,583	32,577	27,674	27,245	27,155	26,997	26,916	27,049	27,404	27,983	29,365	30,736
Private ¹	4,900	4,052	3,992	4,100	4,200	4,315	4,300	4,195	4,300	4,400	(NA)	(NA)
Grades 9 through 12	13,010	14,843	14,852	14,255	13,896	13,755	13,775	13,822	13,734	13,517	(NA)	(NA)
Public	11,610	13,332	13,313	12,855	12,496	12,355	12,375	12,460	12,434	12,217	11,386	12,704
Private ¹	1,400	1,311	1,339	1,400	1,400	1,400	1,400	1,362	1,300	1,300	(NA)	(NA)
College	5,921	6,581	12,097	12,372	12,426	12,465	12,242	12,247	12,501	12,544	12,585	12,151
Public	3,970	6,428	9,457	9,847	9,886	9,883	9,477	9,479	9,722	9,706	9,777	9,449
Private	1,951	2,153	2,640	2,724	2,730	2,782	2,765	2,768	2,779	2,838	2,808	2,702

NA. Not available. ¹ Data for 1970 and later years have been revised since originally published.

Source: U.S. Dept. of Education, National Center for Education Statistics, *Projections of Education Statistics*, annual, *Digest of Education Statistics*, annual; and unpublished data.

NO. 204. ENROLLMENT IN PUBLIC AND PRIVATE SCHOOLS: 1960 TO 1986

[In millions, except percent. As of October. For civilian noninstitutional population. For 1960, 5 to 34 years old; thereafter 3 to 34 years old (data for 35 years old and over not available by control of school)]

YEAR	PUBLIC						PRIVATE					
	Total	Nurs-ery	Kinder-garten	Ele-mentary	High school	Col-lege	Total	Nurs-ery	Kinder-garten	Ele-mentary	High school	Col-lege
1960	38.0	(NA)	27.5	8.2	2.3	7.2	(NA)	4.9	1.0	1.3		
1965	45.6	1	2.4	27.6	11.5	3.8	9.2	.4	.6	4.9	1.6	1.8
1970	52.2	.3	2.6	30.0	13.5	5.7	8.1	.8	.5	3.9	1.2	1.7
1975	52.6	.6	2.9	27.2	14.5	7.7	8.2	1.2	.5	3.5	1.2	2.0
1980	(NA)	.6	2.7	24.4	(NA)	(NA)	(NA)	1.4	.5	3.1	(NA)	(NA)
1982	49.2	.7	2.7	24.4	13.0	8.4	8.7	1.4	.6	3.0	1.1	2.6
1983	48.7	.6	2.7	24.2	12.8	8.2	9.0	1.5	.7	3.0	1.2	2.6
1984	49.0	.8	3.0	24.1	12.7	8.5	8.3	1.6	.5	2.7	1.1	2.4
1985	49.0	.9	3.2	23.6	12.8	8.4	9.0	1.6	.6	3.1	1.2	2.5
1986	49.2	.8	3.3	24.2	12.7	8.2	8.9	1.7	.8	3.0	1.2	2.5
Percent White:												
1960	85.7	(NA)	84.3	86.2	82.2	85.7	(NA)	96.3	98.7	95.3		
1965	85.0	73.2	85.5	83.3	86.5	82.9	95.5	91.1	90.9	88.4	95.7	95.3
1970	84.6	59.5	84.4	83.1	85.8	80.7	93.4	91.1	88.2	84.1	96.1	92.8
1975	83.2	69.3	82.9	82.3	83.5	87.3	91.6	88.6	89.1	83.3	94.2	89.9
1980	(NA)	68.2	80.7	80.8	(NA)	(NA)	(NA)	88.0	87.0	80.7	(NA)	(NA)
1982	81.1	69.1	79.7	80.3	81.1	85.0	89.1	89.9	88.4	89.5	92.7	89.8
1983	80.9	69.6	80.8	79.8	80.8	84.9	89.0	89.8	89.6	80.6	92.2	89.9
1984	80.7	71.4	78.6	79.9	80.7	84.6	89.9	88.1	88.3	80.1	92.1	89.0
1985	80.3	72.2	78.0	79.1	80.4	85.1	89.9	89.8	88.7	80.8	92.2	89.7
1986	79.9	72.0	77.8	78.0	80.3	83.7	89.6	89.8	90.4	80.3	92.3	89.6

NA. Not available.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 429, and earlier reports; and unpublished data.

NO. 205. SCHOOL ENROLLMENT, BY SEX AND LEVEL: 1960 TO 1986

[In millions. As of Oct. For the civilian noninstitutional population. For 1960, persons 5 to 34 years old; 1966 and 1976, 3 to 34 years old; thereafter, 3 years old and over. Elementary includes kindergarten and grades 1-8; high school, grades 9-12; and college 2-year and 4-year colleges, universities, and graduate and professional schools. Data for college represent degree-credit enrollment]

YEAR	ALL LEVELS ¹			ELEMENTARY			HIGH SCHOOL			COLLEGE		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1960	49.3	24.2	22.0	32.4	16.7	15.7	10.2	5.2	5.1	3.8	2.3	1.2
1965	54.7	28.5	26.2	35.5	18.2	17.3	13.0	6.5	6.5	5.7	3.5	2.2
1970	60.4	31.4	28.9	37.1	19.0	18.1	14.7	7.4	7.3	7.4	4.4	3.0
1975	62.2	32.1	30.1	33.8	17.3	16.5	15.7	8.0	7.7	10.9	5.9	5.0
1979	60.0	30.5	29.5	31.5	16.1	15.3	15.8	7.9	7.7	11.1	5.6	5.6
1979	59.3	30.1	29.3	30.9	15.9	15.0	15.2	7.7	7.5	11.4	5.5	5.9
1980	58.6	29.8	29.1	30.6	15.8	14.9	14.6	7.3	7.3	11.4	5.4	6.0
1981 ²	58.4	29.5	28.9	30.1	15.5	14.7	14.4	7.3	7.1	11.8	5.8	6.2
1981 ²	59.9	30.3	29.6	31.0	15.9	15.0	14.7	7.5	7.3	12.1	5.8	6.3
1982	59.4	30.0	29.4	30.7	15.8	14.9	14.2	7.2	7.0	12.3	5.9	6.4
1983	59.3	30.1	29.2	30.6	15.7	14.8	14.1	7.1	7.0	12.3	6.0	6.3
1984	59.9	29.9	29.0	30.3	15.6	14.7	13.9	7.1	6.8	12.3	6.0	6.3
1985	59.8	30.0	29.7	30.7	15.7	15.0	14.1	7.2	6.9	12.5	5.9	6.6
1986	60.1	30.4	29.7	31.1	16.1	15.0	14.0	7.1	6.9	12.4	6.6	6.6

¹ Beginning 1965, includes nursery schools, not shown separately.

² Population controls based on 1970 census; see text, sections 1 and 4.

³ Population controls based on 1980 census; see text, sections 1 and 4.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 429, and earlier reports; and unpublished data.

No. 206. SCHOOL ENROLLMENT, BY AGE AND RACE: 1970 TO 1986

[As of October. Covers civilian noninstitutional population enrolled in nursery school and above. Based on Current Population Survey, see text, section 1. See *Historical Statistics, Colonial Times to 1970*, series H 442-476 for enrollment 5-34 years old]

AGE AND RACE	ENROLLMENT (1,000)				RATE			
	1970	1980	1985	1986	1970	1980	1985	1986
Total 3 to 34 years old ¹	66,967	67,346	68,813	68,159	86.4	89.7	88.3	86.3
3 and 4 years old	1,451	2,280	2,801	2,813	20.5	36.7	38.9	38.9
5 and 6 years old	7,000	5,853	6,897	6,917	88.5	85.7	96.1	95.3
7 to 13 years old	28,943	23,751	22,849	22,887	99.2	99.3	98.2	99.2
14 and 15 years old	7,889	7,282	7,382	7,007	98.1	96.2	96.1	97.8
16 and 17 years old	6,927	7,129	6,654	6,881	90.0	96.0	91.7	92.3
18 and 19 years old	3,322	3,786	3,716	3,872	47.7	46.4	51.6	54.6
20 and 21 years old	1,949	2,515	2,708	2,430	31.9	31.0	35.3	33.0
22 to 24 years old	1,410	1,931	2,068	2,164	14.9	16.3	16.9	17.9
25 to 29 years old	1,011	1,714	1,942	1,882	7.5	9.3	8.2	8.8
30 to 34 years old	486	1,105	1,218	1,230	4.2	8.4	8.1	8.0
35 years old and over	(NA)	1,290	1,766	1,909	(NA)	1.4	1.7	1.8
White: Total 3 to 34 years old	61,719	47,873	47,482	47,267	88.2	88.6	87.8	87.4
3 and 4 years old	1,181	1,844	2,280	2,298	19.9	35.3	36.8	36.1
5 and 6 years old	5,899	4,781	5,437	5,524	90.3	85.8	96.4	95.3
7 to 13 years old	24,564	18,585	18,484	18,579	98.2	99.2	98.3	99.2
14 and 15 years old	6,781	6,038	6,007	5,677	98.2	98.3	98.1	97.8
16 and 17 years old	6,006	5,937	5,449	5,587	90.6	88.6	91.6	92.0
18 and 19 years old	2,924	3,199	3,105	3,192	48.7	46.3	52.4	54.8
20 and 21 years old	1,750	2,206	2,316	2,042	33.1	31.9	36.1	33.5
22 to 24 years old	1,305	1,889	1,744	1,759	15.7	16.4	17.0	17.4
25 to 29 years old	810	1,473	1,635	1,589	7.7	9.2	9.2	8.8
30 to 34 years old	416	942	1,043	1,021	4.2	8.3	8.2	5.9
35 years old and over	(NA)	1,104	1,539	1,644	(NA)	1.3	1.7	1.8
Black: Total 3 to 34 years old	7,228	8,351	8,444	8,886	67.4	53.9	50.8	61.1
3 and 4 years old	250	371	489	411	22.7	38.2	42.7	36.2
5 and 6 years old	989	804	1,030	1,100	84.9	85.4	85.7	86.2
7 to 13 years old	3,988	3,598	3,549	3,584	99.3	99.4	99.1	99.4
14 and 15 years old	1,025	1,066	1,106	1,079	97.6	97.9	97.9	96.6
16 and 17 years old	837	1,047	984	1,015	85.7	90.6	91.7	93.2
18 and 19 years old	352	494	472	518	46.1	45.7	44.1	49.4
20 and 21 years old	174	242	288	268	22.8	23.4	27.7	25.7
22 to 24 years old	84	198	215	261	6.0	13.6	13.7	16.6
25 to 29 years old	68	187	192	197	4.8	8.8	7.4	7.5
30 to 34 years old	41	124	119	143	3.4	6.8	5.1	5.9
35 years old and over ²	(NA)	188	239	265	(NA)	1.8	1.8	2.0

NA Not available. ¹ Includes other races, not shown separately. ² Black and other races.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 429, and earlier reports; and unpublished data.

No. 207. ELEMENTARY AND SECONDARY SCHOOLS—ENROLLMENT AND TEACHERS, BY TYPE OF CONTROL, 1980 TO 1987, AND PROJECTIONS, 1990 AND 1995

[In thousands, except percent. As of fall. Schools are classified by type of organization, rather than by grade group; elementary includes kindergarten and secondary includes junior high. Minus sign (—) indicates decrease]

ITEM	TOTAL				PUBLIC			PRIVATE ²		
	Number	Percent change ¹	Elementary	Secondary	Number	Elementary	Secondary	Number	Elementary	Secondary
Enrollment: 1980	42,181	3.6	28,160	13,031	36,281	24,350	11,931	5,900	4,800	1,100
1985	48,473	2.8	31,570	16,904	42,173	26,670	15,504	6,300	4,800	1,400
1970	51,272	1.1	31,553	19,719	45,909	27,501	18,408	5,389	4,052	1,311
1975	49,791	.8	29,340	20,451	44,791	25,640	19,151	5,000	3,700	1,300
1980	46,318	1.4	28,148	18,170	40,987	24,156	16,831	5,331	3,982	1,349
1985	45,066	— .8	26,485	16,581	39,509	24,280	15,219	5,557	4,195	1,362
1986	45,437	1.0	26,501	16,836	39,837	24,201	15,636	5,600	4,300	1,300
1987 ³	45,900	1.0	29,453	16,447	40,200	25,053	15,147	5,700	4,400	1,300
1990 ⁴	(NA)	(NA)	(NA)	(NA)	40,752	26,295	14,457	(NA)	(NA)	(NA)
1995 ⁴	(NA)	(NA)	(NA)	(NA)	43,442	27,316	16,126	(NA)	(NA)	(NA)
Teachers: 1980	1,800	4.5	961	809	1,408	858	560	192	133	59
1985	1,938	3.9	1,112	822	1,710	965	748	223	147	76
1970	2,288	3.4	1,281	1,007	2,056	1,128	927	233	153	80
1975	2,451	1.4	1,352	1,099	2,196	1,180	1,016	255	172	83
1980	2,463	1	1,389	1,074	2,162	1,177	985	301	212	89
1985	2,550	7	1,476	1,078	2,207	1,237	970	343	248	97
1986	2,581	1.6	1,517	1,075	2,243	1,267	977	348	250	98
1987 ³	2,630	1.5	1,543	1,087	2,276	1,284	992	354	256	98
1990 ⁴	(NA)	(NA)	(NA)	(NA)	2,355	1,360	995	(NA)	(NA)	(NA)
1995 ⁴	(NA)	(NA)	(NA)	(NA)	2,544	1,453	1,091	(NA)	(NA)	(NA)

NA Not available. ¹ Average from prior year shown; for 1980, change from 1955. For explanation of average annual change, see Guide to Tabular Presentation. ² Data beginning 1970 are estimated. ³ Estimate. ⁴ Projection.

Source: U.S. Dept. of Education, National Center for Education Statistics, *Digest of Education Statistics*, annual, and unpublished data.

No. 208. PREPRIMARY SCHOOL ENROLLMENT—SUMMARY: 1972 TO 1986

(As of October. Civilian noninstitutional population. Includes public and nonpublic nursery school and kindergarten programs. Excludes 5 year olds enrolled in elementary school. The method of identifying Hispanic children was changed in 1980 from allocation based on status of mother to status reported for each child. The number of Hispanic children using the new method is larger. Based on Current Population Survey; see last, section 1.)

ITEM	1972	1975	1979	1980	1981	1982	1983	1984	1985	1986
NUMBER OF CHILDREN (1,000)										
Population, 3-5 years old	10,166	10,189	9,119	9,394	9,544	9,573	9,585	10,512	10,728	10,886
Total enrolled ¹	4,231	4,964	4,964	4,979	4,939	5,195	5,985	5,989	5,985	5,971
Nursery	1,277	1,745	1,362	1,981	2,055	2,151	2,347	2,335	2,477	2,545
Public	395	570	633	629	690	729	800	742	846	829
Private	881	1,174	1,229	1,353	1,365	1,422	1,536	1,593	1,631	1,715
Kindergarten	2,954	3,211	2,802	2,997	2,881	2,954	3,036	3,145	3,389	3,426
Public	2,475	2,662	2,391	2,439	2,372	2,459	2,416	2,608	2,847	2,859
Private	478	525	421	459	509	494	620	478	541	567
White	3,542	4,105	3,705	3,994	4,039	4,185	4,430	4,411	4,757	4,851
Black	619	731	780	725	725	789	759	845	919	932
Hispanic ²	(NA)	(NA)	299	370	398	399	499	390	499	593
3 years old	535	683	746	857	891	929	1,005	1,004	1,025	1,041
4 years old	1,121	1,416	1,393	1,423	1,442	1,488	1,619	1,609	1,765	1,772
5 years old	2,575	2,862	2,525	2,598	2,604	2,851	2,762	2,972	3,055	3,157
ENROLLMENT RATE										
Total enrolled ¹	41.8	48.6	51.1	52.8	51.3	51.7	58.5	51.8	54.9	55.9
White	41.4	48.6	50.7	52.7	51.3	51.8	53.1	51.7	54.7	55.2
Black	43.0	48.1	53.3	51.8	50.0	52.0	48.8	51.3	55.9	54.1
Hispanic ²	(NA)	(NA)	40.3	43.3	40.2	41.2	42.7	41.8	43.3	47.8
3 years old	15.5	21.5	24.8	27.3	27.3	27.4	28.1	27.8	28.8	29.9
4 years old	33.5	40.8	45.4	46.3	44.9	45.7	47.4	44.8	49.1	49.0
5 years old	78.1	81.3	83.5	84.7	82.1	83.4	84.6	83.9	86.5	86.7

NA Not available. ¹ Includes races not shown separately. ² Persons of Hispanic origin may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 518; and unpublished data.

No. 208. PREPRIMARY SCHOOL ENROLLMENT, BY LEVEL OF ENROLLMENT AND LABOR FORCE STATUS OF MOTHER: 1972 AND 1986

[See headnote, table 208]

RACE AND LABOR FORCE STATUS	ALL CHILDREN (1,000)		PERCENT ENROLLED IN—								PERCENT NOT ENROLLED	
			Nursery school				Kindergarten					
			Total		Full-day		Total		Full-day, 1986			
	1972	1986	1972	1986	1972	1986	1972	1986	1972	1986		
TOTAL ¹												
Children 3 to 5 years old.....	10,166	10,886	12.6	12.6	4.0	8.2	29.1	31.5	12.4	58.4	45.1	
Living with mother.....	9,885	10,486	12.8	23.6	4.0	8.3	29.1	31.3	12.2	58.3	45.1	
Mother in labor force.....	3,319	5,775	15.7	26.8	6.2	2.8	29.0	32.2	13.7	55.3	41.1	
Employed.....	3,008	5,284	16.3	27.7	6.7	13.5	29.3	32.1	13.7	54.4	40.2	
Full-time.....	1,949	3,452	15.8	28.1	11.5	17.5	28.3	31.8	15.4	58.2	40.1	
Part-time.....	1,059	1,832	17.8	27.0	3.5	5.9	31.2	32.6	10.6	51.3	40.4	
Unemployed.....	311	491	10.5	18.6	3.9	5.1	28.2	33.0	14.1	63.2	50.3	
Mother not in labor force.....	6,885	4,722	11.1	18.8	1.8	2.8	29.2	30.2	10.2	59.8	50.0	
WHITE												
Children 3 to 5 years old.....	8,560	8,786	12.5	24.3	3.1	7.5	28.8	30.9	10.5	58.6	44.8	
Living with mother.....	8,409	8,520	12.8	24.5	3.1	7.5	28.9	30.7	10.3	58.5	44.8	
Mother in labor force.....	2,623	4,733	15.9	27.1	7.2	11.6	28.7	31.8	11.8	55.4	41.0	
Employed.....	2,419	4,382	16.5	28.1	7.7	12.3	28.7	31.8	11.8	54.8	40.1	
Full-time.....	1,499	2,732	15.8	28.5	11.1	16.6	27.7	31.0	12.9	58.5	40.4	
Part-time.....	920	1,651	17.7	27.3	2.0	5.2	30.3	33.0	10.0	52.0	39.7	
Unemployed.....	205	350	8.9	15.5	1.0	2.9	28.6	32.3	12.3	62.5	52.2	
Mother not in labor force.....	5,785	3,787	11.1	21.1	1.2	2.4	29.0	29.3	9.3	59.9	49.6	
BLACK												
Children 3 to 5 years old.....	1,442	1,849	12.8	19.1	9.5	12.6	30.1	35.0	21.8	57.0	45.9	
Living with mother.....	1,414	1,580	12.8	19.4	9.4	12.9	30.2	34.7	21.7	56.7	45.9	
Mother in labor force.....	639	846	15.0	25.1	12.7	19.6	29.5	33.4	23.1	55.5	41.8	
Employed.....	537	715	15.1	26.0	13.4	21.2	30.9	33.3	23.7	54.0	40.7	
Full-time.....	407	575	15.0	26.9	13.0	22.9	29.7	31.1	20.1	56.3	37.8	
Part-time.....	130	140	15.5	22.4	14.6	14.2	37.7	25.6	14.1	48.8	52.0	
Unemployed.....	103	130	14.5	19.9	6.7	11.2	22.5	34.0	20.0	63.0	48.1	
Mother not in labor force.....	774	715	11.0	12.7	6.7	4.9	30.8	36.3	19.9	58.1	51.0	

¹ Includes races not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 518; and unpublished data.

No. 210. PUBLIC SCHOOL ENROLLMENT IN REGULAR SCHOOLS, BY LEVEL—STATES: 1980 AND 1986

[In thousands. As of fall. Includes unclassified students. See also Appendix III]

STATE	PRE-KINDERGARTEN THROUGH GRADE 8		GRADES 9-12 ²		HIGHER EDUCATION ³		STATE	PRE-KINDERGARTEN THROUGH GRADE 8		GRADES 9-12 ²		HIGHER EDUCATION ³	
	1980	1986 ¹	1980	1986 ¹	1980	1986 ¹		1980	1986 ¹	1980	1986 ¹	1980	1986 ¹
U.S.	27,674	27,494	13,313	12,434	⁴ 9,457	⁴ 9,722	MS	330	356	147	143	91	90
AL	528	519	231	215	144	180	MO	567	549	277	251	165	169
AK	60	78	26	30	21	26	MT	106	106	50	46	31	31
AZ	357	371	157	163	194	214	NE	199	185	91	82	74	84
AR	310	307	138	131	86	89	NV	101	112	49	49	40	46
CA	2,761	3,046	1,357	1,332	1,600	1,540	NH	112	110	55	54	24	29
CO	374	386	172	172	146	156	NJ	620	742	428	365	247	236
CT	364	322	166	147	98	99	NM	186	191	85	91	55	79
DE	62	65	37	30	26	⁶ 10	NY	1,836	1,713	1,033	894	563	573
DC	71	63	29	23	14	12	NC	786	748	343	337	226	263
FL	1,042	1,121	466	466	334	365	ND	77	84	40	35	32	35
GA	742	778	327	316	140	147	OH	1,312	1,206	645	585	382	365
HI	110	113	55	51	43	43	OK	399	417	179	176	137	149
ID	144	150	59	59	34	36	OR	319	309	145	141	140	126
IL	1,335	1,249	649	576	491	531	PA	1,231	1,066	676	610	292	304
IN	706	654	347	313	169	194	RI	95	91	53	43	35	36
IA	351	324	163	156	97	110	SC	426	426	193	164	106	106
KS	263	292	133	125	122	130	SD	86	99	42	36	24	24
KY	464	447	206	186	115	115	TN	602	577	252	241	157	149
LA	544	561	234	214	137	146	TX	2,049	2,317	851	892	614	666
ME	153	144	70	66	32	34	UT	250	306	93	106	60	73
MD	493	456	256	220	195	199	VT	86	63	29	29	18	19
MA	676	559	346	275	164	179	VA	703	673	307	302	247	266
MI	1,227	1,109	636	573	454	446	WA	515	521	242	240	276	212
MN	482	479	272	232	162	179	WV	270	244	113	106	71	67
							WI	526	510	303	256	235	245
							WY	70	72	26	29	21	24

¹ Preliminary. ² Includes postgraduates. ³ See headnote, table 249. ⁴ Includes U.S. military academies not shown separately. ⁶ Decrease due to change in reporting status of one institution.

Source: U.S. Dept. of Education, National Center for Education Statistics, *Digest of Education Statistics*, annual.

No. 211. YEARS OF SCHOOL COMPLETED, BY AGE AND RACE: 1940 TO 1987

[Through 1990, as of April 1; beginning 1990 as of March. Excludes Armed Forces, except members living off post or with families on post. Beginning 1960, excludes inmates of institutions. 1940 based on complete count; 1950 based on 20-percent sample; 1960 on 25-percent sample; 1970 on 20-percent sample; and 1980 on 17-percent sample; beginning 1985 based on Current Population Survey; see text, section 1. For definition of median, see Guide to Tabular Presentation]

AGE AND YEAR	ALL PERSONS					BLACK PERSONS				
	Percent not high school graduates		Percent with 4 years of high school or more		Median school years com- pleted	Percent not high school graduates		Percent with 4 years of high school or more		Median school years com- pleted
	Total	With less than 5 yr. of school	Total	College, 4 yr. or more		Total	With less than 5 yr. of school	Total	College, 4 yr. or more	
25 years and over:										
1940	75.5	13.7	24.5	4.6	8.6	92.7	42.0	7.3	1.3	5.7
1950	65.7	11.1	34.3	6.2	9.3	87.1	32.9	12.9	2.1	6.6
1960	58.9	8.3	41.1	7.7	10.6	79.9	23.8	20.1	3.1	8.0
1970	47.7	5.5	52.3	10.7	12.1	66.6	14.6	31.4	4.4	9.8
1980	33.5	3.6	66.5	16.2	12.5	48.6	8.2	51.2	6.4	12.0
1985	26.1	2.7	73.9	19.4	12.6	40.2	6.2	59.8	11.1	12.3
1986	25.3	2.7	74.7	19.4	12.6	37.7	5.4	62.3	10.9	12.3
1987	24.4	2.4	75.6	19.9	12.7	36.6	5.0	63.4	10.7	12.4
25-29 years:										
1940	61.9	5.9	36.1	5.9	10.3	66.4	27.7	11.6	1.6	7.0
1950	49.5	4.7	52.6	7.7	12.0	60.4	16.6	22.2	2.7	8.6
1960	39.3	2.8	60.7	11.1	12.3	62.3	7.0	37.7	4.6	9.9
1970	26.2	1.7	73.6	16.3	12.6	44.6	3.2	55.4	6.0	12.1
1980	15.5	1.1	84.5	22.1	12.9	24.6	1.1	75.2	11.4	12.6
1985	13.9	.7	86.1	22.2	12.9	19.4	.4	80.6	11.5	12.7
1986	13.9	.9	86.1	22.4	12.9	16.7	.5	83.4	11.6	12.7
1987	14.0	.9	86.0	22.0	12.6	16.7	.4	83.3	11.4	12.7

Source: U.S. Bureau of the Census, *U.S. Census of Population, 1940, 1950, 1960, 1970, and 1980*, vol. 1; and *Current Population Reports*, series P-20, No. 415 and forthcoming reports.

NO. 212. YEARS OF SCHOOL COMPLETED, BY RACE, HISPANIC ORIGIN, AND SEX: 1970 TO 1987

[Persons 25 years old and over. Hispanic persons may be of any race. For definition of median, see Guide to Tabular Presentation. See headnote, table 211. See also *Historical Statistics, Colonial Times to 1970*, series H 602-617]

YEAR, RACE, HISPANIC ORIGIN, AND SEX	Popula- tion (1,000)	PERCENT OF POPULATION COMPLETING—							Median school years completed
		Elementary school			High school		College		
		0-4 years	5-7 years	8 years	1-3 years	4 years	1-3 years	4 years or more	
1970, total persons ¹	108,888	5.5	10.0	12.8	19.4	31.1	10.6	10.7	12.1
White	98,246	4.5	9.1	13.0	16.8	32.2	11.1	11.3	12.1
Male	46,527	4.8	9.7	13.3	18.2	28.5	11.1	14.4	12.1
Female	51,718	4.1	8.6	12.8	19.4	35.5	11.1	8.4	12.1
Black	10,375	14.8	18.7	10.5	24.8	21.2	5.9	4.4	9.8
Male	4,714	17.7	19.1	10.2	22.9	20.0	6.0	4.2	8.4
Female	5,661	12.0	16.3	10.8	26.4	22.2	5.8	4.8	10.1
Hispanic	3,946	19.5	18.6	11.5	18.2	21.1	6.5	4.5	9.1
Male	1,997	19.1	18.0	11.3	16.1	19.9	7.6	5.9	9.3
Female	2,050	19.9	19.2	11.6	18.3	22.3	5.4	3.2	8.9
1980, total persons ¹	132,838	3.6	6.7	8.9	15.3	54.8	15.7	16.2	12.5
White	114,290	2.6	5.8	8.2	14.6	35.7	16.0	17.1	12.5
Male	53,941	2.6	6.0	8.0	13.8	31.8	18.4	21.3	12.5
Female	60,349	2.5	5.8	6.4	15.5	39.1	15.6	13.3	12.6
Black	13,195	8.2	11.7	7.1	21.8	29.3	13.5	8.4	12.0
Male	5,895	10.0	12.0	6.7	20.5	28.3	14.0	8.4	12.0
Female	7,300	6.7	11.6	7.3	22.9	30.0	13.2	8.3	12.0
Hispanic	6,739	15.5	18.6	8.1	15.8	24.4	12.0	7.6	10.8
Male	3,247	15.2	16.2	7.7	15.5	22.6	13.4	9.4	11.1
Female	3,493	15.8	17.1	8.4	16.1	26.0	10.6	6.0	10.6
1987, total persons ¹	148,144	2.4	4.5	5.8	11.7	38.7	17.1	10.6	12.7
White	129,170	2.0	4.1	5.9	11.0	39.2	17.2	20.5	12.7
Male	61,678	2.1	4.2	5.8	10.6	35.6	17.2	24.5	12.6
Female	67,492	2.0	4.0	6.0	11.4	42.6	17.3	16.9	12.6
Black	15,580	5.0	8.0	5.3	16.2	37.1	15.7	10.7	12.4
Male	6,919	5.9	8.8	5.2	17.2	36.5	15.5	11.0	12.4
Female	6,661	4.3	7.6	5.4	19.0	37.5	15.6	10.4	12.4
Hispanic	9,449	11.9	15.2	8.1	13.9	29.0	13.3	8.6	12.0
Male	4,614	11.8	14.8	7.4	14.2	28.0	14.2	9.7	12.1
Female	4,835	12.0	15.8	8.6	13.8	30.0	12.5	7.5	12.0

¹ Includes other races, not shown separately.

Sources: U.S. Bureau of the Census, *U.S. Census of Population: 1970*, vols. I and II; 1980, vol. I, chapter C, and *Current Population Reports*, series P-20, No. 428.

NO. 213. YEARS OF SCHOOL COMPLETED, BY SEX, AGE, RACE, AND HISPANIC ORIGIN: 1987

[Persons 25 years old and over. As of March 1987. See headnote, table 211. For definition of median, see Guide to Tabular Presentation]

SEX, AGE, RACE, AND HISPANIC ORIGIN	Popula- tion (1,000)	PERCENT OF POPULATION COMPLETING—							Median school years completed
		Elementary school			High school		College		
		0-4 years	5-7 years	8 years	1-3 years	4 years	1-3 years	4 years or more	
Total persons	148,144	2.4	4.5	5.8	11.7	38.7	17.1	10.6	12.7
Male.....	70,677	2.5	4.8	5.7	11.2	35.4	17.1	23.6	12.7
Female.....	78,467	2.4	4.4	5.8	12.1	41.6	17.1	16.5	12.6
25-29 years old.....	21,636	.9	1.6	1.7	9.9	42.4	21.5	22.0	12.8
30-34 years old.....	20,999	1.0	1.8	1.3	8.8	39.8	21.4	25.8	12.9
35-44 years old.....	33,632	1.1	2.3	2.2	8.4	39.1	20.3	28.5	12.9
45-54 years old.....	23,018	2.0	3.7	4.4	12.3	42.1	18.0	19.5	12.7
55-64 years old.....	21,863	3.2	6.0	6.0	15.0	39.8	13.1	14.9	12.4
65 years old and over	27,975	6.1	10.9	15.8	16.0	30.8	10.5	9.9	12.0
Black.....	15,489	5.0	5.0	5.3	16.2	37.1	15.7	10.7	12.4
25-29 years old.....	2,663	.4	.7	1.0	14.5	47.4	24.6	11.4	12.7
30-34 years old.....	2,513	.6	1.4	2.2	15.8	45.9	20.6	13.3	12.7
35-44 years old.....	3,552	.8	3.4	2.6	17.1	43.7	18.5	14.0	12.8
45-54 years old.....	2,437	3.5	6.6	4.9	23.8	37.5	12.6	11.1	12.3
55-64 years old.....	2,063	8.7	18.4	10.9	22.0	25.3	10.1	8.8	10.9
65 years old and over	2,331	19.6	24.8	13.5	17.4	15.5	3.9	5.3	8.4
Hispanic origin ¹	9,449	11.9	15.3	5.1	13.9	29.0	13.3	3.6	12.0
25-29 years old.....	1,636	4.8	12.0	5.9	17.5	38.1	18.9	5.7	12.3
30-34 years old.....	1,677	6.5	13.8	4.5	14.4	33.2	18.9	11.0	12.3
35-44 years old.....	2,437	8.9	13.7	7.0	12.9	32.6	15.2	9.8	12.2
45-54 years old.....	1,451	13.8	16.3	6.5	14.1	27.6	10.1	9.8	11.3
55-64 years old.....	1,042	21.8	16.0	13.1	11.8	21.8	7.7	5.9	9.8
65 years old and over	908	31.2	28.5	14.6	9.7	13.4	3.9	3.7	7.4

¹ Hispanic persons may be of any race.

Sources: U.S. Bureau of the Census, unpublished data.

NO. 214. YEARS OF SCHOOL COMPLETED BY SEX, RACE, AND HISPANIC ORIGIN—15 LARGEST STATES: 1987

(For persons 25 years old and over. As of March. Persons of Hispanic origin may be of any race. Data for other States are not available. Based on Current Population Survey and subject to sampling error. See text, section 1 and Appendix III.)

ITEM	Total persons (1,000)	PERCENT COMPLETING		ITEM	Total persons (1,000)	PERCENT COMPLETING	
		High school	College			High school	College
California:				Missouri—Continued			
Total	16,781	78.9	23.5	White	2,827	79.7	18.1
Male	8,151	79.0	27.0	Black	242	59.9	7.4
Female	8,630	78.7	20.2	Hispanic origin	18	(B)	(B)
White	14,220	78.4	23.3	New Jersey:			
Black	1,065	80.0	13.4	Total	4,884	78.9	23.3
Hispanic origin	3,021	48.1	5.6	Male	2,208	78.4	28.5
Florida:				Female	2,616	76.5	18.7
Total	7,727	77.1	19.7	White	4,231	78.1	24.2
Male	3,634	77.2	24.4	Black	521	63.3	6.7
Female	4,093	77.1	15.5	Hispanic origin	305	57.7	12.2
White	6,712	79.8	21.1	New York:			
Black	957	59.4	9.1	Total	11,255	75.0	23.2
Hispanic origin	774	61.2	18.4	Male	5,185	75.2	27.1
Georgia:				Female	6,069	73.9	20.0
Total	3,788	71.2	19.1	White	9,480	76.4	23.8
Male	1,748	72.6	22.8	Black	1,347	64.1	13.1
Female	2,040	70.0	15.0	Hispanic origin	1,141	51.4	6.5
White	2,750	74.9	23.2	North Carolina:			
Black	1,012	60.9	7.3	Total	3,956	67.8	16.6
Hispanic origin	40	(B)	(B)	Male	1,895	67.1	19.5
Illinois:				Female	2,120	68.3	14.1
Total	7,124	76.4	20.2	White	3,179	70.6	18.6
Male	3,293	76.2	23.7	Black	717	55.8	8.2
Female	3,841	74.6	17.3	Hispanic origin	17	(B)	(B)
White	6,080	77.7	20.7	Ohio:			
Black	912	66.2	10.9	Total	6,997	75.6	15.0
Hispanic origin	314	48.4	11.5	Male	3,134	75.6	17.5
Indiana:				Female	3,663	75.6	12.6
Total	3,376	76.0	13.3	White	6,057	76.6	16.3
Male	1,600	74.8	15.5	Black	577	64.1	7.5
Female	1,777	77.0	11.3	Hispanic origin	48	(B)	(B)
White	3,100	76.6	13.4	Pennsylvania:			
Black	263	69.2	11.9	Total	7,806	75.5	17.2
Hispanic origin	21	(B)	(B)	Male	3,656	75.4	21.1
Massachusetts:				Female	4,149	75.6	13.9
Total	3,699	80.4	26.5	White	7,137	76.5	17.6
Male	1,705	81.3	31.9	Black	602	65.0	10.6
Female	1,994	79.7	21.9	Hispanic origin	72	(B)	(B)
White	3,513	80.7	26.6	Texas:			
Black	132	77.3	21.2	Total	9,818	72.0	19.9
Hispanic origin	80	52.5	11.3	Male	4,862	71.7	23.0
Michigan:				Female	4,954	72.2	16.7
Total	5,505	75.6	18.5	White	8,577	72.0	20.4
Male	2,587	74.0	20.5	Black	1,080	68.7	11.1
Female	2,918	76.9	13.0	Hispanic origin	2,065	43.1	7.5
White	4,608	76.7	16.6	Virginia:			
Black	589	64.5	9.7	Total	3,605	72.3	23.5
Hispanic origin	66	(B)	(B)	Male	1,757	71.9	30.1
Missouri:				Female	1,848	72.6	17.3
Total	3,102	78.1	17.9	White	2,857	75.4	25.9
Male	1,468	78.5	22.0	Black	667	56.7	10.9
Female	1,636	77.6	14.2	Hispanic origin	50	(B)	(B)

B Base figure too small to meet standards for reliability of derived figure.

Source: U.S. Bureau of the Census, Current Population Reports, series P-80, No. 438.

NO. 215. PERCENT OF POPULATION WITH LESS THAN 5 YEARS OF SCHOOL AND WITH 4 YEARS OF HIGH SCHOOL OR MORE, BY AGE, RACE, AND HISPANIC ORIGIN: 1970 TO 1987

[Persons 25 years old and over. As of April 1970 and 1980, and March 1975 and 1987]

RACE AND HISPANIC ORIGIN	LESS THAN 5 YEARS OF SCHOOL								4 YEARS OF HIGH SCHOOL OR MORE							
	1970	1975	1980	1987					1970	1975	1980	1987				
				Total	25-34 yr	35-44 yr	45-64 yr	65 yr and over				Total	25-34 yr	35-44 yr	45-64 yr	65 yr and over
All races ¹	6.5	4.2	3.6	2.4	1.1	1.1	2.6	6.1	82.3	82.5	86.5	75.8	86.5	86.9	72.8	81.2
White	4.5	3.3	2.6	2.0	.9	1.1	2.1	4.8	54.5	64.6	68.8	77.0	87.2	87.1	75.1	53.7
Black	14.8	12.3	8.2	5.0	.6	.8	5.9	19.6	31.4	42.5	51.2	63.4	81.7	76.2	52.4	24.7
Hispanic ²	18.5	18.5	15.5	11.9	5.8	6.9	17.0	31.2	32.1	37.9	44.0	50.9	60.3	57.4	41.8	20.6
Mexican	28.5	24.6	20.1	15.4	7.7	12.1	21.7	42.4	24.2	31.0	37.8	44.6	54.0	51.2	33.9	15.4
Puerto Rican	20.5	17.4	14.1	10.3	2.2	5.6	22.5	28.2	23.4	28.7	40.1	53.6	68.4	58.6	36.1	19.4
Cuban	8.2	7.3	7.3	6.1	1.2	1.6	8.6	12.2	43.9	51.7	55.3	61.8	83.1	68.1	56.5	35.9
Other ³	8.8	7.6	8.3	5.7	2.3	4.8	7.0	17.5	44.9	56.0	57.4	61.5	66.6	66.2	56.8	25.6

¹ Includes races not shown separately. ² Hispanic persons may be of any race. ³ Includes Central or South American and other Hispanic origin.

Source: U.S. Bureau of the Census, *Census of Population: 1970*, vols. I and II, 1980 *Census of Population*, vol. I, chapter C, *Current Population Reports*, series P-20, No. 416; and unpublished data.

NO. 216. HIGHEST DEGREE EARNED, BY SELECTED CHARACTERISTICS: 1984

[For persons 18 years old and over. Based on the survey of Income and Program Participation; see source for details]

CHARACTERISTIC	Total persons (1,000)	PERCENT BY LEVEL								
		Doctorate	Professional	Master's	Bachelor's	Associate	Vocational	Some college, no degree	High school graduate only	Not a high school graduate
All persons ¹	170,232	.5	1.0	3.4	10.6	3.4	1.9	17.8	35.5	28.0
Male	80,634	.7	1.8	3.8	11.9	3.5	1.3	19.1	32.7	26.3
Female	89,398	.2	.3	3.0	9.5	3.3	2.3	16.6	38.0	28.7
18 to 24 years old	26,494	(2)	-	.8	6.9	3.4	1.4	30.5	36.8	18.8
25 to 34 years old	40,474	.4	1.3	3.8	15.7	5.2	2.0	20.3	37.0	14.3
35 to 44 years old	30,480	.8	1.8	6.4	14.2	4.5	2.2	17.8	36.7	18.8
45 to 54 years old	22,264	.6	1.1	4.5	9.5	3.0	2.0	12.7	40.2	26.4
55 to 64 years old	22,080	.8	1.2	3.1	7.9	1.9	1.7	12.1	35.3	30.2
65 years old and over	26,458	.4	.7	2.0	5.9	.9	1.5	9.2	25.3	54.0
RACE										
White	147,147	.5	1.1	3.6	11.1	3.5	1.9	17.6	36.1	24.4
Male	70,276	.8	1.9	4.2	12.4	3.6	1.3	19.1	33.1	23.8
Female	78,871	.2	.4	3.2	9.9	3.4	2.4	16.7	38.8	25.0
Black	18,475	.2	.3	1.5	5.2	2.6	1.4	17.5	32.7	38.6
Male	8,274	.2	.4	1.2	5.0	2.4	.8	19.2	31.3	39.4
Female	10,201	.2	.2	1.8	5.4	2.8	1.8	16.1	33.9	37.9

- Represents zero. Z Less than .05 percent. ¹ Includes other races, not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-70, No. 11

NO. 217. SCHOOL DAYS LOST ASSOCIATED WITH ACUTE CONDITIONS: 1962 TO 1986

[Days lost per year per 100 children, ages 6-16, beginning 1965, ages 6-17. Based on data collected during the periods July of the previous year to June of the year shown through 1980; beginning 1985 is based on calendar year data. Based on a sample of the civilian noninstitutionalized population; see Appendix III]

CONDITION	1962	1965	1970	1975	1980	1985	1986				
							Total ¹	Male	Female	White	Black
All acute conditions	521	456	452	451	487	367	423	372	476	460	287
Infective and parasitic diseases	108	139	90	81	99	94	79	68	91	82	67
Respiratory conditions	342	236	264	261	282	218	247	209	286	269	149
Upper respiratory	174	147	147	121	118	91	73	69	78	75	60
Influenza and other	168	91	117	140	164	124	175	141	210	194	88
Digestive system conditions	14	13	24	21	22	13	12	12	12	10	18
Injuries	27	29	36	52	37	24	29	37	21	27	32
All other acute conditions	29	36	38	36	47	41	55	47	84	68	21

¹ Includes other races not shown separately. ² Figure does not meet standards of reliability or precision.

Source: U.S. National Center for Health Statistics, series 10, and unpublished data.

No. 218. PUBLIC ELEMENTARY AND SECONDARY SCHOOLS—SUMMARY: 1975 TO 1988

[For school year ending in year shown, except as indicated. Data are estimates]

ITEM	Unit	1975	1980	1982	1982	1984	1988	1985	1987	1988
School districts, total	Number	16,624	16,044	15,959	15,959	15,857	15,812	15,739	15,684	15,595
ENROLLMENT										
Population 5-17 years old ¹	1,000	51,486	48,041	46,352	45,655	45,130	44,942	44,975	45,195	44,290
Percent of resident population ...	Percent.....	24.1	21.4	20.2	19.7	19.3	19.0	18.8	18.7	18.2
Fall enrollment ²	1,000	45,135	41,778	40,119	39,984	39,406	39,362	39,555	39,899	40,124
Percent of population 5-17 years old	Percent.....	87.6	87.0	86.6	86.9	87.3	87.6	86.0	86.3	90.6
Elementary ³	1,000	25,780	24,397	24,082	23,887	23,730	23,744	24,046	24,516	24,960
Secondary ⁴	1,000	19,355	17,381	16,037	15,798	15,676	15,608	15,508	15,382	15,144
Average daily:										
Membership (ADM)	1,000	44,442	40,812	39,306	38,882	38,588	38,751	38,724	38,988	(NA)
Attendance (ADA)	1,000	41,476	38,411	37,072	36,752	36,480	36,502	36,649	36,951	37,118
High school graduates	1,000	2,840	2,762	2,711	2,611	2,503	2,424	2,366	2,407	2,420
INSTRUCTIONAL STAFF										
Total	1,000	2,453	2,521	2,455	2,434	2,436	2,473	2,520	2,559	2,589
Classroom teachers	1,000	2,171	2,211	2,158	2,134	2,142	2,174	2,213	2,250	2,275
Average salaries:										
Instructional staff	Dollar	12,187	16,715	20,327	21,641	22,994	24,757	26,404	27,722	29,203
Classroom teachers	Dollar	11,699	15,970	19,274	20,695	21,921	23,593	25,195	26,534	28,031
REVENUES										
Revenue receipts	Mil. dol	63,047	97,636	113,998	120,778	128,952	140,874	152,813	162,466	172,379
Federal	Mil. dol	5,068	9,020	6,419	8,695	8,886	9,365	10,082	10,169	10,702
State	Mil. dol	27,472	47,929	54,573	57,587	61,645	69,057	75,520	80,545	85,913
Local	Mil. dol	30,488	40,636	51,007	54,496	58,421	62,451	67,210	71,719	75,765
Percent of revenue receipts:										
Federal	Percent.....	8.1	9.2	7.4	7.2	6.9	6.6	6.6	6.3	6.2
State	Percent.....	43.6	49.1	47.9	47.7	47.6	49.0	49.4	49.6	49.8
Local	Percent.....	48.4	41.7	44.7	45.1	45.3	44.3	44.0	44.1	44.0
EXPENDITURES										
Total	Mil. dol	62,340	96,105	113,005	119,159	128,780	139,186	152,218	161,265	171,600
Current expenditures (day schools)	Mil. dol	53,333	85,661	102,048	108,773	116,158	127,249	138,833	146,939	156,214
Other current expenditures ⁵	Mil. dol	1,745	1,859	2,227	2,003	2,014	2,094	2,093	2,160	2,354
Capital outlay	Mil. dol	5,409	6,504	6,404	6,131	6,280	7,330	8,636	9,210	10,035
Interest on school debt	Mil. dol	1,859	2,061	2,326	2,252	2,326	2,513	2,657	2,968	3,087
Percent of total:										
Current expenditures (day schools)	Percent.....	85.6	89.1	90.3	91.3	91.8	91.4	91.2	91.1	91.0
Other current expenditures ⁵	Percent.....	2.8	1.9	2.0	1.7	1.6	1.5	1.4	1.3	1.4
Capital outlay	Percent.....	8.7	6.8	5.7	5.1	5.0	5.3	5.7	5.7	5.8
Interest on school debt	Percent.....	3.0	2.2	2.1	1.9	1.6	1.5	1.7	1.8	1.8
In current dollars:										
Revenue receipts per pupil in—										
ADA	Dollar	1,520	2,542	3,075	3,286	3,534	3,859	4,170	4,396	4,644
ADM	Dollar	1,419	2,392	2,900	3,106	3,342	3,635	3,946	4,187	(NA)
Current expenditures per pupil in—										
ADA	Dollar	1,286	2,230	2,753	2,960	3,183	3,466	3,788	3,977	4,209
ADM	Dollar	1,200	2,099	2,596	2,797	3,010	3,284	3,585	3,769	(NA)
In constant (1988) dollars: ⁶										
Revenue receipts per pupil in—										
ADA	Dollar	3,400	3,783	3,785	3,678	4,022	4,227	4,439	4,578	4,644
ADM	Dollar	3,174	3,589	3,570	3,685	3,804	3,961	4,201	4,340	(NA)
Current expenditures per pupil in—										
ADA	Dollar	2,876	3,326	3,369	3,494	3,623	3,818	4,033	4,142	4,208
ADM	Dollar	2,684	3,132	3,196	3,301	3,426	3,597	3,818	3,925	(NA)

NA Not available. ¹ Estimated resident population as of July 1 of the previous year. ² Fall enrollment of the previous year. ³ Kindergarten through grade 6. ⁴ Grades 7 through 12. ⁵ Current expenses for summer schools, adult education, post-high school vocational education, personnel retraining, etc., when operated by local school districts and not part of regular public elementary and secondary day-school program. ⁶ Compiled by U.S. Bureau of the Census. Deflated by the Consumer Price Index, all wage earners (for school year) supplied by U.S. Dept. of Education, National Center for Education Statistics.

Source: Except as noted, National Education Association, Washington, DC, *Estimates of School Statistics*, annual (copyright) and *Rankings of the States*, annual (copyright); and unpublished data.

No. 219. PUBLIC ELEMENTARY AND SECONDARY SCHOOLS, BY TYPE AND SIZE OF SCHOOL: 1985

[Data reported by schools, rather than school districts]

ENROLLMENT SIZE OF SCHOOL	NUMBER OF SCHOOLS					ENROLLMENT (1,000)				
	Total	Elementary ¹	Secondary ²	Combined ³	Other ⁴	Total	Elementary ¹	Secondary ²	Combined ³	Other ⁴
Total	64,007	57,231	22,326	1,586	2,960	39,965	23,619	15,867	768	320
PERCENT DISTRIBUTION ⁵										
Total ²	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 100 students	9.68	7.78	6.82	20.04	61.84	1.02	.97	.71	1.88	17.76
100 to 199 students	11.84	12.21	10.28	9.61	19.31	3.69	4.62	2.09	2.85	18.61
200 to 299 students	13.61	15.92	8.44	9.92	8.15	7.09	9.95	2.91	5.19	13.46
300 to 399 students	15.49	19.08	7.77	10.30	3.05	11.22	16.54	3.78	7.68	7.19
400 to 499 students	13.23	15.90	7.63	10.24	1.98	12.26	17.68	4.74	9.63	5.99
500 to 599 students	10.29	11.54	7.97	9.74	1.41	11.66	15.68	6.07	11.14	5.32
600 to 699 students	7.14	7.28	7.42	7.35	.66	9.56	11.66	8.67	10.03	2.88
700 to 799 students	4.81	4.30	6.46	5.24	1.23	7.46	7.97	6.71	8.33	6.27
800 to 899 students	5.55	3.88	10.30	7.54	.73	10.22	8.45	12.72	13.98	4.42
1,000 to 1,499 students	5.37	1.91	14.67	7.29	.87	13.36	5.49	24.69	18.35	6.87
1,500 to 1,999 students	1.81	.21	6.49	1.78	.46	6.77	.87	15.38	6.33	5.33
2,000 to 2,999 students	.97	.02	3.53	.75	.11	4.67	1.13	11.33	3.74	3.88
3,000 or more students	12	(2)	.44	.13	.01	.83	.03	2.23	.89	2.12
Average enrollment ⁶	(x)	(x)	(x)	(x)	(x)	482	403	721	476	146

X Not applicable. Z Less than .005 percent. ¹ Includes schools beginning with grade 8 or below and with no grade higher than 8. ² Includes schools with no grade lower than 7. ³ Includes schools with both elementary and secondary grades. ⁴ Includes special education, alternative, and other schools not classified by grade span. ⁵ Data for these schools reporting enrollment.

Source: U.S. Department of Education, National Center for Education Statistics, "Common Core of Data" survey.

No. 220. PUBLIC ELEMENTARY AND SECONDARY SCHOOL ENROLLMENT, BY STATE: 1975 TO 1986

[Enrollment as of fall. Includes unclassified students. For composition of regions, see fig. 1, inside front cover]

REGION, DIVISION, AND STATE	ENROLLMENT ¹ (1,000)			ENROLLMENT RATE ²			DIVISION AND STATE	ENROLLMENT ¹ (1,000)			ENROLLMENT RATE ²		
	1975	1980	1986	1975	1980	1986		1975	1980	1986	1975	1980	1986
U.S.	44,791	42,984	38,837	88.9	86.5	84.2	So. Atl.—Con.						
Region:							MD	881	751	676	87.3	83.9	85.8
Northeast	9,667	8,213	7,294	85.1	82.3	83.5	DC	130	100	86	87.8	91.8	94.5
Midwest	12,277	10,763	9,956	88.5	85.9	87.8	VA	1,104	1,010	975	93.7	90.7	94.6
South	14,654	14,134	14,316	90.6	87.8	89.9	WV	404	384	352	98.6	92.6	92.1
West	8,192	7,873	6,275	92.0	90.1	90.8	NC	1,185	1,129	1,085	92.8	90.0	91.1
N. Eng.	2,567	2,186	1,904	89.6	86.8	87.4	SC	630	619	612	89.8	88.1	89.7
ME	251	222	212	98.0	91.5	90.3	GA	1,080	1,069	1,066	90.1	86.9	89.0
NH	175	167	164	88.6	85.3	87.7	FL	1,551	1,510	1,607	88.8	84.4	87.0
VT	105	96	92	90.4	87.9	91.2	E. So. Cent.	2,846	2,780	2,883	86.9	85.2	87.7
MA	1,198	1,022	834	89.2	86.8	86.9	KY	692	670	643	85.5	83.7	86.3
RI	176	148	134	82.8	79.7	81.7	TN	877	854	818	90.5	87.8	88.6
CT	652	531	489	88.5	83.3	85.4	AL	759	759	734	86.2	87.6	88.5
Mid. Atl.	2,710	2,036	1,389	83.8	80.8	82.3	MS	512	477	499	84.1	79.8	85.6
NY	3,406	2,871	2,608	83.1	80.8	82.9	W. So. Cent.	4,712	4,709	5,096	92.6	90.0	91.6
NJ	1,456	1,246	1,107	84.7	81.5	83.1	AR	457	448	437	92.1	90.3	92.6
PA	2,246	1,909	1,674	83.8	80.4	80.4	LA	847	778	796	84.7	80.3	84.5
E. No. Cent.	8,774	7,889	7,036	88.2	85.8	87.2	OK	595	578	593	97.2	92.9	93.4
OH	2,293	1,967	1,794	89.0	84.8	86.5	TX	2,613	2,900	3,210	94.5	92.4	93.3
IN	1,174	1,056	967	90.9	88.0	89.2	Mt.	2,244	2,280	2,414	93.7	92.8	91.8
IL	2,270	1,963	1,825	85.5	82.6	83.4	MT	172	155	153	91.9	92.9	94.6
MI	2,073	1,863	1,682	90.9	90.1	93.0	ID	197	203	206	96.4	95.4	93.3
WI	964	830	768	84.1	82.1	84.1	WY	88	98	101	98.9	97.3	94.4
W. No. Cent.	3,903	3,074	2,820	87.8	86.5	86.6	CO	569	546	556	93.6	92.2	93.2
MN	880	754	711	89.3	87.2	90.5	NM	275	271	282	89.5	89.5	91.5
IA	612	534	481	88.3	86.4	88.6	AZ	483	514	535	91.5	88.9	88.4
MO	966	845	801	87.8	83.8	85.3	UT	310	310	418	96.6	96.2	98.5
ND	131	117	119	82.1	85.9	90.2	NV	140	149	161	87.1	93.4	95.4
SD	151	129	125	90.5	87.4	90.6	Pac.	5,946	5,583	5,961	91.4	88.4	90.3
NE	316	280	267	86.5	86.6	86.4	WA	785	758	761	93.6	91.0	93.1
KS	448	415	416	88.3	88.7	91.8	OR	478	465	449	91.8	88.5	90.2
So. Atl.	7,102	6,871	6,583	90.8	87.4	89.3	CA	4,420	4,118	4,378	91.4	88.0	89.8
DE	127	99	94	90.4	79.5	81.7	AK	87	87	108	84.2	94.0	97.3
							HI	176	165	165	84.8	83.4	84.2

¹ May include enrollment of 3 and 4 year olds in prekindergarten and kindergarten in some States. ² Percent of persons, 5-17 years. Based on estimated resident population as of July 1, 1975 and 1980, and enumerated resident population as of April 1, 1980.

³ Estimated.Source: U.S. Department of Education, National Center for Education Statistics, *Digest of Education Statistics*, annual, and *Statistics of Public Elementary and Secondary School Systems*, annual.

NO. 221. PUBLIC ELEMENTARY AND SECONDARY SCHOOL ENROLLMENT, BY GRADE: 1960 TO 1986

[1960, for school year; thereafter, as of fall of year. Beginning 1975, kindergarten includes nursery schools. For 1970-1986, totals include ungraded, postgraduates, and special classes which are not prorated among grades. For 1960, enrollment figures are prorated and 12th grade includes postgraduates. See also *Historical Statistics, Colonial Times to 1970*, series H 420-424]

GRADE	ENROLLMENT (1,000)									PERCENT DISTRIBUTION		
	1960	1970	1971 ¹	1975	1980	1982	1984	1986	1986	1960	1980	1986
Pupils enrolled	36,067	45,308	46,081	44,791	40,887	38,382	38,295	38,509	38,837	100.0	100.0	100.0
Kindergarten and grades 1-8	27,602	32,577	32,285	30,487	27,574	26,987	26,918	27,049	27,404	76.5	67.5	69.5
Kindergarten	1,923	2,559	2,483	2,945	2,699	2,660	3,010	3,192	3,310	5.3	6.6	8.3
First	3,733	3,914	3,570	3,236	2,894	3,080	3,113	3,230	3,358	10.3	7.1	8.4
Second	3,436	3,654	3,587	3,027	2,800	2,781	2,904	2,941	3,054	9.5	6.8	7.7
Third	3,302	3,662	3,612	3,036	2,906	2,772	2,785	2,895	2,933	9.2	7.1	7.4
Fourth	3,146	3,676	3,623	3,112	3,115	2,756	2,772	2,771	2,886	8.7	7.8	7.3
Fifth	3,118	3,634	3,662	3,281	3,130	2,798	2,781	2,776	2,775	8.6	7.6	7.0
Sixth	3,070	3,589	3,622	3,476	3,036	2,826	2,823	2,789	2,806	8.5	7.4	7.0
Seventh	3,173	3,682	3,710	3,619	3,087	3,247	3,044	2,938	2,900	8.8	7.5	7.3
Eighth	2,701	3,601	3,635	3,636	3,091	3,222	3,186	2,982	2,870	7.5	7.5	7.2
Grades 9-12	8,465	12,732	13,796	14,304	13,313	12,395	12,377	12,460	12,434	23.5	32.5	31.2
Ninth	2,412	3,652	3,781	3,879	3,380	3,330	3,440	3,439	3,257	6.7	8.2	8.2
Tenth	2,258	3,457	3,571	3,723	3,375	3,103	3,145	3,230	3,215	6.3	8.2	8.1
Eleventh	2,063	3,127	3,200	3,354	3,195	2,819	2,819	2,898	2,864	5.7	7.8	7.4
Twelfth	1,752	2,774	2,862	2,896	2,925	2,678	2,589	2,550	2,601	4.8	7.1	6.5

¹ Represents peak enrollment year.

Source: U.S. Dept. of Education, National Center for Education Statistics, *Digest of Education Statistics*, annual.

NO. 222. PUBLIC ELEMENTARY AND SECONDARY SCHOOL TEACHERS—SELECTED CHARACTERISTICS: 1976 TO 1986

[In percent, except median. As of spring. Based on sample of all public school teachers and subject to sampling variability]

CHARACTERISTIC	1976		1981			1986				
	Elementary	Secondary	Elementary	Junior high ¹	Senior high	Elementary	Junior high ¹	Senior high	Male	Female
AGE										
18 to 24 years old	NA	NA	3.8	4.8	2.8	2.8	4.1	1.8	1.8	2.1
25 to 34 years old	NA	NA	40.0	40.8	35.8	27.3	18.8	20.5	16.6	26.1
35 to 44 years old	NA	NA	28.5	27.8	34.2	26.8	44.8	43.8	47.0	37.7
45 to 54 years old	NA	NA	19.9	17.8	18.6	21.7	21.3	23.2	23.1	21.7
55 to 64 years old	NA	NA	8.2	8.4	8.8	11.1	10.8	10.3	11.0	11.8
65 years old and over	NA	NA	.9	.3	.2	.7	.7	.6	.6	.7
Median ² age	34	33	37	36	37	39	40	41	41	39
SEX										
Male	12.8	52.2	17.7	41.3	51.6	13.8	38.8	53.0	100.0	00
Female	87.2	47.6	82.3	58.7	48.5	86.2	61.4	47.0	00	100.0
RACE										
White	89.7	91.8	90.8	89.4	84.0	89.3	86.7	82.0	80.8	89.2
Black	8.8	6.8	8.4	10.3	5.3	6.2	10.2	5.6	5.8	7.2
Other	2.7	1.6	.9	.3	.7	4.5	3.1	2.4	3.0	3.7
EDUCATION										
With bachelor's degree	89.8	83.8	64.8	62.7	42.8	63.6	47.9	40.2	38.3	52.9
With master's or 5 year degree	29.3	44.5	44.7	47.3	68.1	45.9	50.7	58.5	60.4	48.2
Required to pass competency test	NA	NA	28.9	17.9	17.4	19.0	21.2	16.1	18.2	19.5
EXPERIENCE										
With teaching experience of—										
1-2 years	10.1	12.5	6.0	8.1	5.2	4.3	5.0	4.9	3.1	5.3
3-4 years	15.9	15.8	8.7	11.0	7.0	5.7	3.2	4.3	3.1	5.6
5-9 years	28.6	29.0	28.2	25.0	22.3	19.4	19.5	13.6	12.7	19.0
10-14 years	15.6	19.0	20.5	22.0	27.2	24.4	17.9	23.0	20.7	23.1
15-19 years	12.1	12.8	14.5	16.8	16.0	21.8	24.9	23.8	24.8	22.3
20 or more years	17.5	10.8	22.3	19.2	22.3	24.7	29.8	30.1	35.8	23.6
Median ² years	8	8	11	11	12	14	18	15	17	14
Would ⁴ become a teacher again	71.3	86.3	52.8	39.1	42.2	54.6	41.4	48.5	39.4	53.4
Would not ⁴ become a teacher again	15.1	22.6	30.4	41.5	41.1	25.8	38.3	34.5	42.2	29.2

NA Not available. X Not applicable. ¹ Includes middle schools. ² For definition of median, see Guide to Tabular Presentation. ³ Does not include minorities of Spanish descent. ⁴ Includes certainly would (would not) and probably would (would not).

Source: National Education Association, Washington, DC, *Status of the American Public School Teacher, 1975-76, 1980-81, and 1985-86*. (Copyright.)

NO. 223. PUBLIC ELEMENTARY AND SECONDARY SCHOOLS—NUMBER AND AVERAGE SALARY OF CLASSROOM TEACHERS, 1960 TO 1986, AND BY STATE, 1986

[Estimates for school year ending in June of year shown. Schools classified by type of organization rather than by grade-group; elementary includes kindergarten]

YEAR AND STATE	TEACHERS ¹ (1,000)			AVG. SALARY (\$1,000)			STATE	TEACHERS ¹ (1,000)			AVG. SALARY (\$1,000)		
	Total	Elementary	Secondary	All teachers	Elementary	Secondary		Total	Elementary	Secondary	All teachers	Elementary	Secondary
1960	1,355	534	521	5.0	4.8	5.3	LA	43.0	29.8	13.4	20.8	20.6	21.6
1970	2,008	1,108	880	8.6	8.4	8.9	ME	13.5	6.7	4.8	23.4	22.9	24.3
1975	2,171	1,188	1,001	11.7	11.3	12.0	MD	39.6	18.8	21.0	30.8	30.8	30.8
1977	2,186	1,178	1,011	13.4	13.0	13.8	MA	58.2	22.5	35.7	30.0	28.9	30.4
1978	2,187	1,178	1,020	14.2	13.8	14.6	MI	82.4	53.6	28.8	32.9	32.7	32.9
1979	2,206	1,189	1,013	15.0	14.7	15.4	MN	41.8	21.1	20.7	29.6	28.9	30.3
1980	2,211	1,208	1,005	16.0	15.6	16.5	MS	26.3	14.8	11.5	20.7	20.3	21.1
1981	2,192	1,196	996	17.6	17.2	18.1	MO	48.6	25.2	24.4	24.7	23.6	25.5
1982	2,158	1,200	959	19.3	18.9	19.8	MT	9.7	6.6	3.1	23.8	23.2	24.8
1983	2,134	1,182	952	20.7	20.2	21.3	NE	17.7	9.5	6.2	23.2	22.2	24.2
1984	2,142	1,187	956	21.9	21.5	22.6	NV	8.3	4.8	3.8	27.6	26.9	28.4
1985	2,174	1,208	966	23.6	23.2	24.2	NH	10.4	6.3	4.1	24.0	23.9	24.1
1986	2,213	1,238	974	25.2	24.7	25.9	NJ	75.5	45.1	30.4	30.8	30.3	31.5
1987	2,250	1,273	977	26.5	26.0	27.2	NM	15.0	9.9	5.1	24.4	24.4	24.4
1988, U.S.	2,275	1,286	980	26.8	27.4	28.7	NY	176.0	83.8	92.2	33.6	32.4	34.7
AL	36.9	19.3	17.7	23.3	23.3	23.3	NC	59.7	34.8	24.6	25.1	25.0	25.2
AK	8.2	2.6	3.7	40.4	40.0	40.7	ND	7.7	4.9	2.8	21.7	21.6	21.8
AZ	31.9	23.8	8.0	27.4	27.4	27.4	OH	99.6	54.6	45.0	26.8	26.0	29.8
AR	25.1	12.3	12.7	20.3	19.7	21.0	OK	36.0	17.8	17.2	22.0	21.3	22.7
CA	188.5	132.1	84.4	33.1	32.4	34.1	OR	24.9	14.6	10.3	27.8	27.3	28.3
CO	31.2	15.5	15.7	28.7	28.0	29.3	PA	102.9	49.7	53.2	29.0	28.7	29.2
CT	34.5	20.8	13.6	33.5	33.2	34.2	RI	8.9	4.9	4.1	32.9	32.6	32.9
DE	6.0	2.9	3.0	29.8	28.7	30.4	SC	34.7	22.5	12.2	24.2	23.6	25.3
DC	5.6	3.3	2.3	36.5	36.5	36.5	SD	8.5	5.7	2.8	19.8	19.6	19.8
FL	95.9	52.8	43.0	25.4	25.8	24.5	TN	42.5	25.5	18.0	23.8	23.7	23.9
GA	59.4	37.1	22.4	28.2	28.0	28.6	TX	187.2	98.9	88.4	25.7	24.9	26.5
HI	8.8	4.8	4.0	28.8	28.8	28.8	UT	18.1	11.5	6.6	23.9	22.8	25.0
ID	10.3	5.4	4.9	22.6	22.0	23.6	VT	6.5	2.9	3.8	23.4	22.9	23.8
IL	101.7	48.1	33.7	28.7	28.5	31.8	VA	60.3	35.1	25.2	27.4	26.6	28.5
IN	53.1	27.8	25.3	27.4	26.7	28.2	WA	37.8	22.6	15.0	28.0	27.5	28.6
IA	30.0	14.4	15.6	24.9	23.9	25.7	WV	22.7	13.2	9.5	21.7	21.3	22.3
KS	27.3	15.8	11.5	24.4	24.4	24.4	WI	47.7	28.1	19.7	29.2	28.4	30.0
KY	35.7	23.5	12.2	24.3	23.7	25.5	WY	7.4	4.9	2.6	29.4	28.6	30.6

¹ Full-time equivalent.

Source: National Education Association, Washington, DC, *Estimates of School Statistics, 1987-88* and earlier issues. (Copyright © by the National Education Association. All rights reserved.)

NO. 224. AVERAGE STARTING SALARIES OF PUBLIC SCHOOL TEACHERS COMPARED WITH SALARIES IN PRIVATE INDUSTRY, BY SELECTED POSITION: 1975 TO 1986

[Except as noted, salaries represent what corporations plan to offer graduates graduating in the year shown with bachelors' degrees. Based on a survey of approximately 200 companies]

ITEM AND POSITION	1975	1980	1981	1982	1983	1984	1985	1986	1987	1988
SALARIES (dollars)										
Teachers ¹	6,233	10,784	11,756	12,769	13,386	14,600	15,480	16,500	17,500	(NA)
College graduates:										
Engineering	12,744	20,136	22,388	25,428	25,800	28,844	29,880	28,512	28,832	29,620
Accounting	11,880	15,720	18,980	18,648	19,476	20,172	20,628	21,216	22,512	24,324
Sales-marketing	10,344	15,856	17,220	18,372	18,848	19,620	20,616	20,888	20,232	22,848
Business administration	9,768	14,100	16,200	17,448	18,584	19,416	19,896	21,324	21,972	22,920
Liberal arts ²	9,312	13,296	15,444	15,924	18,284	19,344	19,828	21,080	20,506	22,586
Chemistry	11,904	17,124	19,536	21,482	22,344	24,192	24,216	24,264	27,048	28,892
Mathematics-statistics	10,880	17,804	18,600	21,516	21,896	22,416	22,704	23,976	25,548	26,112
Economics-finance	10,212	14,472	18,864	17,532	19,740	20,484	20,884	22,284	21,884	23,136
Computer science	(NA)	17,712	20,384	22,280	23,208	24,864	24,166	25,172	26,380	27,372
INDEX (1975=100)										
Teachers ¹	100	131	143	156	162	178	187	200	213	(NA)
College graduates:										
Engineering	100	168	178	200	202	211	211	224	227	234
Accounting	100	132	143	157	164	170	174	179	189	205
Sales-marketing	100	164	166	178	180	189	199	200	198	221
Business administration	100	144	166	179	190	198	204	218	225	234
Liberal arts ²	100	143	166	171	196	208	202	226	220	243
Chemistry	100	144	164	181	188	203	203	204	227	216
Mathematics-statistics	100	160	166	186	196	204	207	216	233	238
Economics-finance	100	142	166	172	183	201	205	216	215	229
Computer science ³	(NA)	125	144	157	184	176	171	195	188	184

NA: Not available. ¹ Estimate. Minimum mean salary. Source: National Education Association, Washington, DC, *Estimates of School Statistics*, annual (copyright). ² Excludes Chemistry, Mathematics, Economics and Computer Science. ³ Computer science index (1975=100).

Source: Except as noted, Northwestern University Placement Center, Evanston, IL, *The Northwestern Uniquely-Graded Report* (Copyright).

NO. 225. AVERAGE SALARY AND WAGES PAID IN PUBLIC SCHOOL SYSTEMS, BY SELECTED POSITIONS: 1975 TO 1988

[In dollars. For school year ending in year shown. Data reported by a stratified sample of school systems enrolling 300 or more pupils. Data represent unweighted means of average salaries paid school personnel reported by each school system]

POSITION	1975	1986	1982	1982	1984	1983	1983	1987	1988
ANNUAL SALARY									
Central office administrators:									
Superintendent (contract salary).....	30,338	39,344	46,664	50,280	52,483	56,954	60,707	64,580	68,147
Deputy/assoc. superintendent.....	30,074	37,440	44,777	47,404	48,507	52,877	57,190	60,222	63,872
Assistant superintendent.....	28,480	33,452	39,799	42,194	43,983	48,003	51,209	53,656	56,894
Administrators for:									
Finance and business.....	21,850	27,147	32,967	34,967	36,909	40,344	43,200	45,259	47,330
Instructional services.....	22,808	29,790	35,973	38,018	39,580	43,452	46,110	48,810	50,838
Public relations/information.....	21,470	24,021	28,506	30,720	32,203	35,287	37,329	38,925	41,305
Staff personnel services.....	21,470	29,623	35,192	38,201	39,857	44,182	46,269	48,627	51,421
Subject area supervisors.....	18,601	23,974	29,083	30,905	31,537	34,422	36,797	38,763	41,086
School building administrators:									
Principals:									
Elementary.....	19,061	25,165	30,242	32,451	34,033	36,452	39,024	41,536	43,664
Junior high/middle.....	21,138	27,625	32,881	34,996	36,779	39,650	42,365	44,861	47,078
Senior high.....	22,894	29,207	34,776	37,602	39,334	42,094	44,966	47,896	50,512
Assistant principals:									
Elementary.....	15,968	20,706	25,331	27,419	28,067	30,496	32,895	34,347	36,364
Junior high/middle.....	17,868	23,507	28,176	29,746	31,257	33,793	36,094	37,966	40,093
Senior high.....	18,939	24,816	29,566	31,262	32,655	35,491	37,616	39,758	41,839
Classroom teachers.....	11,507	15,913	19,275	20,809	22,039	23,587	25,276	26,731	28,230
Auxiliary professional personnel:									
Counselors.....	14,479	18,847	22,935	24,547	25,759	27,593	29,368	31,132	32,896
Librarians.....	12,546	16,764	20,496	22,040	23,173	24,981	26,688	28,390	30,046
School nurses.....	10,673	13,788	16,704	17,630	18,310	19,944	21,339	22,219	23,692
Secretarial/clerical personnel:									
Central office:									
Secretaries/stenographers.....	7,318	10,331	12,718	13,639	14,366	15,343	16,363	17,182	18,220
Accounting/payroll clerks.....	7,566	10,479	12,720	13,676	14,522	15,421	16,604	17,273	18,229
Clerk-typists.....	6,089	8,359	10,314	10,930	11,561	12,481	13,209	13,729	14,651
School building level:									
Secretaries/stenographers.....	6,046	8,348	10,301	11,004	11,613	12,504	13,233	13,947	14,749
Library clerks.....	5,052	6,778	8,272	8,467	8,939	9,911	10,412	10,841	11,234
HOURLY WAGE RATE									
Other support personnel:									
Teacher aides:									
Instructional.....	2.91	4.06	4.66	5.26	5.48	5.89	6.20	6.43	6.72
Noninstructional.....	2.81	3.86	4.70	5.01	5.22	5.60	5.91	6.14	6.45
Custodians.....	3.54	4.66	5.95	6.23	6.49	6.90	7.28	7.51	7.82
Cafeteria workers.....	2.61	3.78	4.57	4.87	5.09	5.42	5.76	5.92	6.23
Bus drivers.....	3.75	5.21	6.26	6.56	6.86	7.27	7.72	8.06	8.31

Source: Educational Research Service, Arlington, VA, *National Survey of Salaries and Wages in Public Schools*, annual, vols. 2 and 3. (All rights reserved. Copyright.)

NO. 226. PUBLIC ELEMENTARY AND SECONDARY SCHOOLS—EMPLOYEES AND PAYROLLS OF STATE AND LOCAL GOVERNMENTS: 1980 TO 1988

[For October. Data are estimates, subject to sampling variability. For details, see source. See also Appendix III]

YEAR AND FUNCTION	EMPLOYEES (1,000)				OCTOBER PAYROLL					
	Total	Local government	Full-time		Total (mil. dol.)	Local government (mil. dol.)	Full-time employees			
			Total	Local government			Total (mil. dol.)	Local government (mil. dol.)	Average earnings (dol.)	
									Total	Local government
1980: Total, public schools	4,668	4,848	3,798	3,782	5,522	5,496	5,181	5,157	1,364	1,364
Percent of all employees	36.6	50.7	36.8	50.8	37.5	52.6	37.6	52.3	102.0	103.1
Instructional employees	3,164	3,149	2,764	2,751	4,324	4,303	4,182	4,163	1,513	1,513
Other	1,704	1,899	1,035	1,030	1,198	1,192	999	994	966	966
1985: Total, public schools	4,994	4,969	3,911	3,892	7,639	7,600	7,340	7,303	1,877	1,876
Percent of all employees	36.5	51.3	37.0	51.4	36.7	51.9	36.8	51.7	96.6	100.5
Instructional employees	3,306	3,291	2,832	2,819	6,156	6,129	5,929	5,901	2,093	2,093
Other	1,688	1,678	1,079	1,073	1,681	1,671	1,411	1,402	1,308	1,306
1988: Total, public schools	5,080	5,065	3,977	3,959	8,662	8,622	8,106	8,069	2,036	2,036
Percent of all employees	36.6	51.4	37.1	51.5	37.5	52.9	37.6	52.7	101.4	102.3
Instructional employees	3,375	3,359	2,876	2,865	6,814	6,784	6,552	6,524	2,276	2,277
Other	1,715	1,706	1,099	1,093	1,848	1,838	1,554	1,545	1,414	1,413

Source: U.S. Bureau of the Census, *Public Employment*, series GE, No. 1, annual.

No. 227. PUBLIC ELEMENTARY AND SECONDARY SCHOOL PRICE INDEXES: 1975 TO 1987

[1975 = 100. For years ending June 30. Reflects prices paid by public elementary-secondary schools. For explanation of average annual percent change, see Guide to Tabular Presentation]

YEAR	Index, total	Average annual percent change ¹	PERSONNEL COMPENSATION				CONTRACTED SERVICES, SUPPLIES, AND EQUIPMENT						
			Total	Pro-fes-sional salaries	Non-pro-fes-sional salaries	Fringe benefits	Total	Serv-ices	Sup-plies and mate-rials	Equip-ment replace-ment	Li-brary mate-rials and text-books	Utili-ties	Fixed costs
1975	100	(x)	100	100	100	100	100	100	100	100	100	100	100
1976	109	8.6	109	108	107	118	109	107	108	110	113	111	113
1977	116	6.8	118	113	114	137	117	114	113	116	120	123	128
1978	124	6.8	123	120	122	149	127	121	119	124	134	135	142
1979	136	9.3	135	128	131	164	139	128	131	135	143	156	160
1980	148	9.0	145	137	140	209	156	139	148	148	153	204	179
1981	165	12.2	162	152	155	243	180	154	165	164	162	258	200
1982	182	9.7	179	166	170	280	194	170	174	178	171	285	218
1983	194	6.8	192	179	180	307	199	180	172	188	186	279	231
1984	205	5.9	205	189	188	342	206	191	176	192	199	274	248
1985	220	7.1	222	203	200	387	212	202	178	197	210	280	261
1986	233	5.8	237	217	212	417	214	213	177	202	221	246	274
1987	244	4.7	250	229	219	440	218	220	179	207	236	232	288

X Not applicable. ¹ Change from immediate prior year shown.

Source: 1975-1982, U.S. National Institute of Education, *Inflation Measures for Schools and Colleges, 1983*; thereafter, Research Associates of Washington, Washington, DC, *School Price Index*, annual.

No. 228. FINANCES OF PUBLIC SCHOOL SYSTEMS, 1980 TO 1986, AND BY ENROLLMENT-SIZE GROUP, 1986

[In millions of dollars, except percent. Data are estimates subject to sampling variability. For details, see source. Minus sign (-) indicates decrease. See also Appendix III]

ITEM	1980, all school systems	1985, all school systems	1986, BY ENROLLMENT-SIZE GROUP						
			All school systems		50,000 or more	25,000 to 49,999	15,000 to 24,999	7,500 to 14,999	Under 7,500
			Total	Percent change ¹					
General revenue ²	101,970	145,375	157,979	8.7	29,308	14,575	13,522	24,085	76,488
Intergovernmental	56,279	78,218	85,932	9.9	16,382	8,484	7,932	13,597	39,536
From Federal government	1,845	1,373	1,480	6.0	286	118	107	248	701
From States	53,088	74,785	82,144	9.8	15,916	8,143	7,611	13,048	37,426
Federal aid distributed by State governments	7,459	7,548	8,197	8.6	2,006	783	675	1,150	3,583
From local governments	1,547	2,060	2,328	13.0	181	223	215	301	1,408
From own sources	45,692	67,157	72,047	7.3	12,926	6,090	5,589	10,488	36,954
Taxes	29,212	44,750	46,002	7.3	6,202	4,025	3,686	6,978	27,111
Property	26,099	43,539	46,739	7.4	5,892	3,918	3,619	6,798	26,514
Contribution from parent government	8,809	11,404	12,650	10.9	5,228	915	759	1,617	4,131
Charges and miscellaneous	7,670	11,003	11,395	3.6	1,496	1,151	1,144	1,893	5,711
Current charges	4,417	6,181	6,582	6.5	782	656	731	1,145	3,268
School lunch sales	2,003	2,804	2,782	6.8	378	270	247	457	1,432
Interest earnings	1,784	2,691	2,541	-5.6	349	229	217	368	1,356
Other	1,489	2,132	2,272	6.6	366	288	197	360	1,063
General expenditure ²	100,632	142,251	156,277	8.9	28,386	14,445	13,439	23,850	76,177
Intergovernmental	470	361	369	2.1	29	5	10	51	294
Direct	100,063	141,871	155,868	9.9	28,336	14,440	13,430	23,799	75,861
Current operation	90,589	130,686	142,776	9.3	26,351	13,171	12,207	21,710	69,337
Salaries and wages	61,944	88,512	96,536	9.1	18,420	9,271	8,474	14,920	45,451
Capital outlay	7,517	8,664	10,343	19.1	1,653	965	963	1,639	5,123
Construction	5,226	5,181	6,318	22.0	932	619	579	1,063	3,125
Interest on debt	1,967	2,520	2,770	9.9	334	304	280	450	1,422
Direct expenditure ³ by level of instruction:									
Elementary and secondary	92,113	131,308	144,513	10.1	27,073	12,925	11,664	21,595	71,256
Higher education	5,993	8,043	8,605	7.0	931	1,211	1,505	1,753	3,205
Debt outstanding ⁴	36,685	36,799	36,685	7.6	5,197	4,253	3,805	6,474	19,889
Long-term	35,405	34,994	37,686	7.7	5,124	4,090	3,679	6,139	18,654
Short-term	1,280	1,805	1,903	5.4	73	163	125	335	1,207
Long-term debt issued	2,961	6,054	8,345	37.8	1,709	968	834	1,279	3,555
Long-term debt retired	2,997	5,536	6,140	10.9	1,399	616	592	760	2,773
Cash, security holdings, excl. employee-retirement ³	16,733	27,902	29,615	6.1	4,994	2,945	2,673	4,606	14,397

¹ Change from 1985. ² Excludes interschool system transactions. ³ For current operation and capital outlay. ⁴ As of end of fiscal year.

Source: U.S. Bureau of the Census, *Finances of Public School Systems*, series GF, No. 10, annual.

NO. 228. PUBLIC ELEMENTARY AND SECONDARY SCHOOL ESTIMATED FINANCES, 1970 TO 1988, AND BY STATE, 1988

(In millions of dollars, except as noted. For school years ending in June of year shown)

YEAR AND STATE	RECEIPTS						EXPENDITURES					
	Total	Revenue receipts				Non-revenue receipts ¹	Total ²	Per capita ³ (dol.)	Current expenditures			Capital outlay
		Total	Source						Elem. and secondary day schools	Average per pupil in ADA ⁴		
			Federal	State	Local					Amount (dol.)	Rank	
1970	41,621	36,192	2,767	15,626	19,797	3,429	39,081	194	32,683	773	(x)	4,188
1975	66,319	63,047	5,088	27,472	30,466	3,273	62,340	282	53,333	1,286	(x)	5,409
1980	101,724	97,635	9,020	47,929	40,686	4,089	96,105	428	85,661	2,230	(x)	6,904
1982	117,776	113,999	8,419	54,573	51,007	3,777	113,005	492	102,048	2,783	(x)	6,404
1983	126,446	120,778	8,895	57,587	54,496	4,608	119,159	509	106,773	2,960	(x)	6,131
1984	133,434	128,952	8,886	61,845	58,421	4,482	126,780	536	116,156	3,183	(x)	6,280
1985	146,615	140,874	9,366	69,057	62,451	5,741	139,186	583	127,249	3,486	(x)	7,330
1986	159,812	152,813	10,082	75,520	67,210	6,999	152,218	631	136,833	3,786	(x)	8,686
1987	169,719	162,453	10,189	80,545	71,719	7,266	161,265	663	146,939	3,977	(x)	9,210
1988, total	180,083	172,379	10,702	86,913	76,766	7,703	171,690	706	166,214	4,209	(x)	10,086
Alabama	2,059	1,962	250	1,352	360	107	2,059	504	1,900	2,752	49	125
Alaska	745	662	49	446	166	89	812	1,547	661	7,036	1	87
Arizona	2,058	2,058	73	1,100	885	-	1,930	570	1,785	3,265	40	64
Arkansas	1,299	1,286	120	789	378	12	1,087	456	990	2,410	51	87
California	19,879	19,738	1,447	13,439	4,853	189	18,963	686	17,833	3,994	26	816
Colorado	2,688	2,555	117	987	1,470	198	2,496	757	2,244	4,369	17	166
Connecticut	2,912	2,911	119	1,227	1,565	1	2,912	907	2,730	6,141	5	120
Delaware	491	481	36	330	115	10	465	722	436	4,994	10	12
District of Columbia	457	457	49	-	408	-	472	789	438	5,643	6	11
Florida	7,781	7,457	495	3,918	3,044	324	7,716	642	6,717	4,399	16	820
Georgia	3,644	3,636	276	2,042	1,318	6	3,474	666	3,134	2,939	46	281
Hawaii	650	650	66	582	1	-	648	588	599	3,894	30	28
Idaho	606	598	44	366	168	10	621	622	582	2,814	47	46
Illinois	8,106	7,996	591	2,886	4,180	610	7,249	626	6,574	4,217	20	306
Indiana	3,784	3,704	149	2,222	1,333	80	3,604	662	3,190	3,616	36	324
Iowa	1,840	1,807	101	780	927	33	1,856	665	1,740	3,646	32	100
Kansas	1,624	1,799	84	786	926	25	1,805	729	1,809	4,292	19	116
Kentucky	2,290	2,148	217	1,492	436	142	2,108	566	1,943	3,365	38	112
Louisiana	2,844	2,584	316	1,367	880	379	2,674	699	2,358	3,211	41	219
Maine	896	896	48	471	349	26	896	756	829	4,276	16	38
Maryland	3,410	3,408	180	1,357	1,868	4	3,213	731	3,031	4,671	13	210
Massachusetts	4,056	4,051	231	1,892	1,928	4	4,215	720	3,968	5,396	8	189
Michigan	8,834	8,809	251	2,415	4,203	99	6,872	747	6,319	4,122	22	231
Minnesota	3,498	3,313	153	1,884	1,277	186	3,394	799	3,051	4,513	16	208
Mississippi	1,465	1,376	216	750	409	80	1,365	531	1,290	2,760	48	45
Missouri	3,118	3,025	175	1,226	1,625	82	2,893	567	2,591	3,596	36	222
Montana	663	666	53	329	266	14	636	782	596	4,061	24	49
Nebraska	980	959	50	254	652	88	970	606	809	3,841	34	40
Nevada	648	648	27	260	362	(x)	679	674	572	3,829	39	86
New Hampshire	696	692	21	48	563	64	663	627	598	3,990	27	56
New Jersey	7,586	7,461	310	3,189	3,962	106	7,214	940	6,694	6,910	2	69
New Mexico	1,039	1,036	122	786	121	10	1,186	792	952	3,980	31	178
New York	17,228	16,878	640	7,327	8,711	360	16,437	622	15,870	6,864	4	400
North Carolina	3,829	3,906	249	2,520	1,137	23	4,003	624	3,944	3,911	26	36
North Dakota	442	430	32	220	178	12	420	626	362	3,363	36	30
Ohio	7,996	7,006	315	3,320	3,370	990	7,260	673	6,697	4,019	25	406
Oklahoma	1,818	1,898	86	1,100	500	120	1,833	591	1,890	3,051	45	190
Oregon	2,082	2,037	126	541	1,368	25	2,080	756	1,822	4,574	14	96
Pennsylvania	10,377	8,773	374	4,046	4,353	1,804	6,708	729	7,695	5,093	9	469
Rhode Island	680	680	29	294	357	(x)	683	693	696	5,456	7	7
South Carolina	2,234	2,120	173	1,187	760	114	2,023	591	1,767	3,075	44	146
South Dakota	436	429	36	117	286	13	421	594	379	3,159	43	25
Tennessee	2,507	2,408	232	1,214	963	99	2,631	542	2,463	3,169	42	75
Texas	14,117	12,726	953	5,678	6,086	1,391	12,604	751	10,573	3,462	37	1,482
Utah	1,176	1,167	67	666	432	8	1,201	715	1,045	2,668	50	93
Vermont	442	439	26	150	260	8	463	645	436	4,949	12	7
Virginia	4,320	4,262	204	1,485	2,564	98	4,039	662	3,789	4,145	21	137
Washington	3,389	3,371	192	2,444	685	79	3,776	632	2,948	4,093	29	699
West Virginia	1,471	1,448	176	684	589	23	1,380	717	1,239	3,896	29	67
Wisconsin	3,619	3,570	162	1,437	1,970	90	3,636	756	3,413	4,981	11	107
Wyoming	801	743	22	320	401	59	785	1,581	644	6,885	3	97

- Represents zero. X Not applicable. Z Includes interest on the sales of bonds and real property and on school debt and other current expenditure population, as of July 1, the previous year.

Source: National Education Association, data.

1988, annual (copyright), and unpublished

No. 230. SCHOOL LIBRARY MEDIA CENTERS (LMC)—EXPENDITURES, COLLECTION SIZE AND MICROCOMPUTERS, BY SELECTED CHARACTERISTIC: 1986

[For school year ending in June. Based on sample survey of approximately 33,000 school library subscribers to *The School Library Journal*. Except as indicated, figures are medians. For definition of median, see Guide to Tabular Presentation. For composition of regions, see inside front cover]

CHARACTERISTIC	PER PUPIL EXPENDITURES (dol.)			COLLECTION SIZE				MICRO-COMPUTERS ¹	
	Books	Periodicals	Audio-visual material	Books		Audio-visuals		Total	In LMC's
				Total	Per pupil	Total	Per pupil		
Level of school:									
Elementary.....	3.65	.87	2.07	8,000	19	1,080	2.40	12.8	3.6
Junior high.....	4.81	1.47	1.98	10,329	15	885	1.57	26.2	4.0
Senior high.....	5.41	2.04	1.75	12,557	15	1,000	1.12	34.3	3.4
Other.....	4.21	1.27	1.71	10,000	17	800	1.47	21.6	3.7
School enrollment:									
Less than 300 students.....	6.77	2.83	2.08	6,785	28	409	1.98	13.0	2.8
300 to 499 students.....	4.64	1.40	2.54	8,000	20	888	2.29	14.1	3.5
500 to 699 students.....	4.16	1.29	1.82	10,000	17	1,000	1.77	20.2	3.8
700 to 999 students.....	4.07	1.12	1.92	10,670	13	1,000	1.20	25.6	4.0
1,000 to 1,999 students.....	3.86	1.18	1.59	15,000	12	1,536	1.16	43.7	3.1
Over 2,000 students.....	4.57	1.04	1.63	23,000	9	2,150	.87	51.3	6.7
Region of school:									
Northeast.....	5.73	1.80	2.37	10,500	19	1,098	1.94	25.2	2.9
Midwest.....	5.07	1.78	2.34	10,000	19	867	1.61	22.3	4.8
South.....	3.87	.98	1.65	9,580	14	1,162	1.75	20.3	3.2
West.....	4.13	1.14	1.94	9,300	15	680	.85	27.6	3.5
Schools:									
With district media coordinator.....	(NA)	(NA)	(NA)	10,000	15	1,182	1.79	24.0	3.6
With no district media coordinator.....	(NA)	(NA)	(NA)	9,700	18	823	1.48	21.8	3.7

NA Not available. ¹ Mean number of micros in schools with micros. For definition of mean, see Guide to Tabular Presentation.

Source: R.R. Bowker, New York, NY, "Expenditures for Resources in School Library Media Centers FY '85-'86," by Marilyn L. Miller and Barbara B. Moran, *School Library Journal*, June/July, 1987. (Copyright.)

No. 231. COMPUTER USE BY STUDENTS, GRADES K-12—SELECTED CHARACTERISTICS BY PLACE OF USE: 1984

[As of October. Based on Current Population Survey; see text, section 1 and Appendix III. For similar data on college students, see table 253]

ITEM	Total students (1,000)	PLACE OF USE OF COMPUTER							
		Number (1,000)				Percent			
		Total ¹	School	Home	Both	Total ¹	School	Home	Both
Total enrolled.....	44,221	15,248	12,336	5,425	2,512	34.5	27.9	12.3	6.7
Male.....	22,670	8,280	6,541	3,334	1,615	36.4	28.9	14.7	7.1
Female.....	21,551	6,968	5,794	2,092	897	32.4	26.9	9.7	4.2
White.....	35,880	13,483	10,850	4,939	2,308	37.6	30.3	13.8	6.4
Black.....	6,780	1,252	1,048	346	140	18.5	15.5	5.1	2.1
Other.....	1,801	513	439	140	86	32.0	27.4	8.7	4.1
Hispanic ²	3,653	714	636	127	49	19.5	17.4	3.5	1.3
Non-Hispanic.....	40,568	14,534	11,899	5,298	2,483	35.8	28.8	13.1	6.1
Enrolled in—									
Public school.....	39,901	13,501	10,953	4,684	2,116	33.8	27.4	11.7	5.3
Grades K-4.....	14,722	4,067	3,236	1,401	570	27.6	22.0	9.5	3.9
Grades 5-8.....	12,382	5,159	4,383	1,679	903	41.7	35.4	13.6	7.3
Grades 9-12.....	12,797	4,275	3,334	1,584	643	33.4	26.1	12.4	5.0
Private school.....	4,320	1,747	1,382	781	396	40.4	32.0	17.6	9.2
Grades K-4.....	1,899	655	487	305	137	32.9	24.5	15.3	8.9
Grades 5-8.....	1,262	679	589	258	168	53.8	46.7	20.4	13.3
Grades 9-12.....	1,069	413	308	196	91	38.6	28.6	18.5	8.5

¹ Total who use computers at home or at school. Excludes duplication. ² Persons of Hispanic origin may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-23, No. 155 and unpublished data.

NO. 232. MICROCOMPUTERS FOR STUDENT INSTRUCTION IN ELEMENTARY AND SECONDARY SCHOOLS: 1981 TO 1987

[As of fall for public schools; as of mid-winter of the previous year for private schools. Public school data based on surveys of every school district and all public schools. Private school data based on surveys of all Catholic and private schools. For details, see source]

YEAR	PUBLIC SCHOOLS										PRIVATE SCHOOLS			
	Number of schools (1,000)				Percent with micros				Number of micros ² (1,000)	Students per micro ²	Number of schools (1,000)	Percent with micros	Number of micros ² (1,000)	Students per micro ²
	Total ¹	Elementary	Junior	Senior	Total	Elementary	Junior	Senior						
1981	84.2	53.3	10.1	15.6	18.2	11.1	25.6	42.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1982	82.4	51.9	9.8	15.3	30.0	20.2	39.8	57.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1983	81.5	51.3	9.8	15.2	68.4	62.4	60.5	66.1	324.4	92.3	22.6	23.8	(NA)	(NA)
1984	81.1	51.0	9.8	15.2	65.1	62.2	63.1	64.6	669.8	63.5	24.4	53.0	62.2	68.2
1985	80.8	50.8	9.7	15.1	62.2	61.0	67.3	67.4	842.6	45.5	23.4	70.3	101.2	41.8
1986	80.5	50.7	8.7	15.1	95.8	94.9	98.5	98.7	1,061.9	36.5	22.7	77.1	129.2	38.7
1987	80.6	50.9	9.7	15.0	95.4	96.0	98.6	99.0	1,354.0	30.6	22.7	76.7	151.1	28.8
Number of micros ²	1,354.0	576.1	226.6	449.6	(X)	(X)	(X)	(X)	(X)	(X)	151.1	(X)	(X)	(X)
Students per micro ²	30.8	36.5	27.6	26.3	(X)	(X)	(X)	(X)	(X)	(X)	28.8	(X)	(X)	(X)

NA Not available. X Not applicable. ¹ Includes other schools, not shown separately. ² Includes estimates for schools not reporting number of micros. ³ For schools reporting number of micros.

Source: Market Data Retrieval, Shelton, CT, *Microcomputers in Schools, 1986-87*, (copyright), and unpublished data.

NO. 233. PUBLIC ELEMENTARY AND SECONDARY STUDENTS IN EDUCATIONAL PROGRAMS FOR THE HANDICAPPED, BY TYPE OF HANDICAP: 1978 TO 1987

[For school year ending in year shown. For persons under 22 years old. Funds appropriated are for three grant programs based on the counts of handicapped children: Education of handicapped children in State operated or supported schools; handicapped State grants; and handicapped pre-school incentive grants. Excludes outlying areas]

ITEM	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Federal funds appropriated (mil. dol.)	700.5	853.9	1,044.5	1,066.6	1,101.3	1,189.4	1,241.7	1,314.3	1,335.7	1,366.3
All conditions (1,000)	3,751	3,896	4,886	4,142	4,168	4,366	4,366	4,315	4,317	4,374
PERCENT DISTRIBUTION										
Learning disabled	25.7	29.1	31.9	35.3	38.6	40.9	42.0	42.4	43.1	43.6
Speech impaired	32.6	31.2	29.6	28.2	27.0	26.6	26.2	26.1	26.1	25.8
Mentally retarded	24.8	23.2	21.7	20.0	18.7	17.8	18.9	16.1	15.3	15.0
Emotionally disturbed	7.7	7.7	8.2	8.4	8.1	8.3	8.4	6.6	6.7	6.7
Hard of hearing and deaf	2.3	2.2	2.0	1.9	1.8	1.7	1.7	1.6	1.5	1.5
Orthopedically handicapped	2.3	1.8	1.6	1.4	1.4	1.3	1.3	1.3	1.3	1.3
Other health impaired	3.6	2.7	2.6	2.4	1.9	1.2	1.2	1.6	1.3	1.2
Visually handicapped	.9	.8	.6	.6	.7	.7	.7	.7	.6	1.6
Multihandicapped	(NA)	1.3	1.5	1.6	1.7	1.5	1.5	1.6	2.0	2.2
Deaf-blind	(NA)	1	1	.1	.1	.1	1	1	(2)	(2)

NA Not available. Z Less than .05 percent.

Source: U.S. Dept. of Education, Office of Special Education Programs, *Annual Report to Congress*.

NO. 234. CATHOLIC ELEMENTARY AND SECONDARY SCHOOLS: 1960 TO 1987

[As of October 1. Regular sessions only. See also *Historical Statistics, Colonial Times to 1970*, series H 535-544]

ITEM	Unit	1960	1965	1970	1975	1980	1982	1984	1985	1986	1987
Elementary schools	Number	10,501	10,679	9,362	8,340	6,043	7,937	7,891	7,806	7,993	7,801
Pupils enrolled	1,000	4,373	4,492	3,369	2,526	2,269	2,180	2,120	2,057	1,996	1,842
Teachers, total	1,000	108	120	112	99	87	99	100	97	84	83
Religious	1,000	79	76	52	35	25	21	20	16	17	15
Lay	1,000	29	44	60	64	72	78	80	79	77	78
Secondary schools	Number	2,392	2,413	1,961	1,653	1,516	1,484	1,449	1,430	1,409	1,391
Pupils enrolled	1,000	860	1,082	1,006	890	837	786	762	762	728	661
Teachers, total	1,000	44	57	54	50	49	46	50	50	48	47
Religious	1,000	33	38	28	20	14	12	12	11	10	10
Lay	1,000	11	19	26	30	35	36	38	39	38	37

Source: National Catholic Educational Association, Washington, DC, *A Statistical Report on Catholic Elementary and Secondary Schools for the Years 1967-68 to 1986-87*, and *U.S. Catholic Schools, 1973-74*, and National Catholic Educational Association/Ganley's, *Catholic Schools in America*, annual. (Copyright.)

No. 225. CHARACTERISTICS OF PRIVATE ELEMENTARY AND SECONDARY SCHOOLS AND TEACHERS, BY LEVEL AND AFFILIATION OF SCHOOL: 1986

[For school year ending in year shown. Based on survey and subject to sampling error; for details, see source. For similar data on public school teachers, see table 222]

ITEM	Total	LEVEL OF SCHOOL				RELIGIOUS AFFILIATION		
		Elementary	Secondary	Combined	Other	Catholic	Other	None
Number of schools.....	25,816	15,303	2,438	4,949	2,336	9,911	10,771	4,934
PERCENT DISTRIBUTION								
Years in operation:								
10 years or less	25.5	20.2	9.9	41.4	39.2	1.7	45.2	30.2
25 years or more	50.3	63.3	62.6	21.9	20.0	84.1	29.3	26.2
Minority enrollment:								
Less than 5 percent	36.9	45.1	27.8	37.1	18.7	45.8	40.5	21.6
5 to 14 percent	22.4	19.8	35.1	23.4	22.8	20.4	20.9	29.4
15 to 24 percent	10.8	7.7	14.4	11.6	21.1	8.9	12.7	9.8
25 to 49 percent	10.0	7.8	11.8	5.1	28.6	7.2	8.4	19.3
50 to 66 percent	9.9	9.2	4.4	18.2	4.6	6.3	12.1	12.7
80 percent or more.....	8.1	10.4	5.4	4.6	4.1	11.5	5.4	7.1
Annual tuition:								
Less than \$500	13.0	18.8	4.8	5.4	1.1	25.6	6.3	1.1
\$500 to \$1,000	27.9	35.1	4.4	29.6	5.0	37.1	30.8	1.0
\$1,001 to \$1,500	28.4	29.1	34.4	22.7	9.3	25.7	30.7	17.6
\$1,001 to \$2,500	14.8	8.3	28.7	18.0	31.6	7.7	20.4	16.0
More than \$2,500	18.2	8.8	27.8	24.4	52.9	3.9	11.9	64.3
Mean enrollment	234	218	541	211	94	983	142	174
Number of teachers ¹ (1,000).....	404	198	83	95	36	186	127	92
PERCENT DISTRIBUTION								
Age: Under 30	24.0	25.2	18.0	22.3	38.3	21.9	27.2	23.7
30 to 39 years old	37.6	36.2	39.2	38.1	40.4	38.7	37.8	39.2
40 to 49 years old	23.2	23.2	25.0	25.5	13.0	23.6	21.8	24.6
50 to 59 years old	10.5	10.3	12.3	10.5	7.9	11.8	9.6	9.5
60 years old and over	4.8	5.1	5.6	3.6	2.4	8.0	3.6	3.1
Sex: Male	24.1	10.3	48.6	29.9	25.4	(NA)	(NA)	(NA)
Female	75.9	89.7	51.5	70.1	74.6	(NA)	(NA)	(NA)
Race:								
White, non-Hispanic.....	92.2	91.1	95.0	92.6	91.1	93.5	91.9	90.2
Black, non-Hispanic	3.8	4.8	1.4	3.3	5.0	2.5	4.0	5.9
Hispanic	2.9	2.9	2.9	3.3	2.4	3.4	2.9	2.2
Education: Bachelor's	64.0	74.1	48.5	58.0	62.5	66.7	63.8	59.3
Master's	29.4	19.6	48.6	32.0	29.9	29.5	28.4	33.6
Experience:								
Less than 5 years	24.8	25.2	18.6	23.7	40.6	20.8	27.5	29.4
5 to 9 years	27.0	27.7	22.8	29.2	27.5	24.5	30.7	26.8
10 years or more	48.2	47.1	58.6	47.1	31.9	54.8	41.8	43.8
Average salary: ²								
Base salary	\$14,400	\$12,900	\$17,100	\$14,900	\$14,500	\$13,900	\$13,600	\$16,500
Earned income	\$15,600	\$13,700	\$19,000	\$16,500	\$16,800	\$15,100	\$14,800	\$18,000

NA Not available. ¹ Full- and part-time. ² Full-time teachers with salaries.
Source: U.S. Dept. of Education, National Center for Education Statistics, *Digest of Education Statistics*, 1987.

No. 236. PRIVATE SCHOOLS OFFERING SPECIAL PROGRAMS, BY LEVEL AND AFFILIATION: 1985

[As of fall. Based on survey and subject to sampling error; see source for details]

INSTRUCTIONAL LEVEL AND AFFILIATION	Total	PERCENT OFFERING SPECIAL PROGRAMS IN—							
		Bilin- gual educa- tion	ESL ¹	Remedial—		Programs for—		Voca- tional and tech. pro- grams	Diag- nostic serv- ices ²
				Read- ing	Mathe- matics	Hand- capped	Gifted and talent- ed		
Private schools, total	28,386	9	12	89	83	18	36	14	51
Elementary	15,300	8	9	72	52	14	32	6	50
Secondary	2,400	8	23	53	46	11	50	35	46
Elementary/secondary	4,900	15	17	81	50	20	32	22	41
Other ³	2,900	3	10	82	71	42	24	32	76
Catholic	9,800	4	9	78	61	15	37	8	61
Other	10,800	11	14	59	42	16	28	15	41
None	4,500	12	14	73	62	30	37	26	52

¹ English as a second language. ² Services provided by trained professionals to diagnose learning problems of students.
³ Schools providing alternative (non-traditional) instruction, special education or vocational/technical education.
Source: U.S. Dept. of Education, National Center for Education Statistics, *Private Schools and Private School Teachers: final report of the 1985-86 Private School Study*, March 1987.

No. 237. SCHOLASTIC APTITUDE TEST (SAT) SCORES AND CHARACTERISTICS OF COLLEGE BOUND SENIORS: 1967 TO 1987

(For school year ending in year shown)

TYPE OF TEST AND CHARACTERISTIC	Unit	1967	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
TEST SCORES ¹												
Verbal, total ²	Point	466	480	494	494	494	495	485	486	491	491	490
Male	Point	469	489	497	499	499	491	490	493	497	497	496
Female	Point	466	481	491	490	490	491	480	480	495	496	495
Math, total ²	Point	462	466	472	466	466	467	466	471	475	475	478
Male	Point	514	508	495	491	492	493	495	495	499	501	500
Female	Point	467	466	449	449	445	445	445	449	468	461	468
PARTICIPANTS												
Total	1,000	(NA)	(NA)	996	992	994	999	993	995	977	1,001	1,000
Male	Percent	(NA)	(NA)	49.9	49.2	49.0	49.1	49.2	49.2	49.3	49.1	49.2
White	Percent	(NA)	(NA)	88.0	82.1	81.8	81.7	81.1	80.3	81.0	(NA)	72.9
Black	Percent	(NA)	(NA)	7.9	9.1	9.0	8.9	8.8	9.1	7.5	(NA)	8.1
Obtaining scores ¹ of—												
600 or above:												
Verbal	Percent	(NA)	(NA)	7.9	7.2	7.0	7.1	6.9	7.3	7.9	7.9	8.1
Math	Percent	(NA)	(NA)	16.9	16.1	14.4	15.3	15.9	16.7	17.1	17.9	18.3
Below 400:												
Verbal	Percent	(NA)	(NA)	37.9	41.8	41.8	40.2	41.1	40.2	36.4	36.2	36.8
Math	Percent	(NA)	(NA)	25.5	30.2	29.5	29.5	30.1	29.1	28.2	28.0	28.3
Selected intended area of study												
Business and commerce	Percent	(NA)	(NA)	11.5	18.6	18.5	18.7	18.5	18.1	21.0	(NA)	29
Engineering	Percent	(NA)	(NA)	8.7	11.1	11.8	12.8	12.5	12.0	11.7	(NA)	11
Social science	Percent	(NA)	(NA)	7.7	7.8	7.4	7.2	7.2	7.3	7.5	(NA)	11
Education	Percent	(NA)	(NA)	9.1	8.1	5.7	5.0	4.8	4.8	4.7	(NA)	9
SAT average ¹ by high school rank:												
Top tenth	Point	(NA)	(NA)	(NA)	539	539	540	539	543	547	547	552
Second tenth	Point	(NA)	(NA)	(NA)	470	472	473	473	477	482	481	484
Second fifth	Point	(NA)	(NA)	(NA)	431	433	435	435	436	442	440	440
Third fifth	Point	(NA)	(NA)	(NA)	396	387	389	388	392	396	396	395

NA Not available. ¹ Minimum score, 300; maximum score, 800. ² 1967 and 1970 are estimates based on total number of persons taking SAT.

Source: College Entrance Examination Board, New York, NY, *National College-Bound Senior*, annual. (Copyright.)

No. 238. AMERICAN COLLEGE TESTING (ACT) PROGRAM SCORES AND CHARACTERISTICS OF COLLEGE-BOUND STUDENTS: 1970 TO 1987

(For academic year ending in year shown. Except as indicated, test scores and characteristics of college-bound students. Through 1985, data based on 10 percent sample; thereafter, based on all ACT tested seniors)

TYPE OF TEST AND CHARACTERISTIC	Unit	1970	1975	1976	1980	1981	1982	1986	1984	1986	1988	1987
TEST SCORES ¹												
Composite	Point	18.9	18.8	18.6	18.5	18.5	18.4	18.3	18.5	18.6	18.8	18.7
Male	Point	20.3	19.5	19.3	19.3	19.3	19.2	19.1	19.3	19.4	19.6	19.5
Female	Point	19.4	17.9	17.9	17.9	17.8	17.8	17.8	17.9	17.9	18.1	18.1
English	Point	18.5	17.7	17.9	17.9	17.8	17.9	17.8	18.1	18.1	18.5	18.4
Male	Point	17.8	17.1	17.4	17.3	17.3	17.3	17.3	17.5	17.6	17.9	17.9
Female	Point	19.4	18.3	18.4	18.3	18.2	18.4	18.2	18.6	18.6	18.9	18.9
Math	Point	20.0	17.6	17.5	17.4	17.3	17.2	16.9	17.3	17.2	17.3	17.2
Male	Point	21.1	19.3	19.1	18.9	18.9	18.5	18.4	18.6	18.6	18.6	18.6
Female	Point	18.6	16.2	16.2	16.2	16.0	16.0	15.7	16.1	16.0	16.0	16.1
Social studies	Point	19.7	17.4	17.2	17.2	17.2	17.3	17.1	17.3	17.4	17.6	17.5
Male	Point	20.3	18.7	18.1	18.2	18.3	18.1	18.0	18.1	18.3	18.6	18.4
Female	Point	19.0	16.4	16.4	16.4	16.4	16.8	16.4	16.5	16.6	16.9	16.7
Natural science	Point	20.6	21.1	21.1	21.1	21.0	20.8	20.9	21.0	21.2	21.4	21.4
Male	Point	21.6	22.4	22.3	22.4	22.3	22.2	22.4	22.4	22.6	22.7	22.8
Female	Point	20.0	20.0	20.2	20.0	20.0	19.7	19.6	19.9	20.0	20.2	20.1
PARTICIPANTS ²												
Total	1,000	788	714	780	832	836	806	835	849	789	730	777
Male	Percent	52	46	45	45	45	45	46	46	46	46	46
White	Percent	(NA)	77	84	89	89	83	82	82	82	82	81
Black	Percent	4	7	8	8	8	8	9	9	8	8	8
Obtaining composite scores of—												
26 or above	Percent	14	14	13	13	13	13	13	13	14	14	14
15 or below	Percent	21	23	28	33	33	34	35	33	32	31	31
Planned educational major												
Business ³	Percent	18	21	20	20	19	19	19	19	21	22	23
Engineering	Percent	8	6	6	6	10	11	10	9	9	9	8
Social science ⁴	Percent	10	9	6	6	6	6	6	7	7	6	9
Education	Percent	18	12	9	8	7	8	8	6	6	7	8

NA Not available. ¹ Minimum score, 1; maximum score, 36. ² Beginning 1986, data are for seniors who graduated in year shown and had taken the ACT in their junior or senior years. ³ Includes political and persuasive (e.g., sales) fields through 1972; thereafter, business and commerce. ⁴ Includes religion through 1975.

Source: The American College Testing Program, Iowa City, IA, *High School Profile Report*, annual.

No. 239. PUBLIC HIGH SCHOOL DISTRICTS—MEAN NUMBER OF CREDITS REQUIRED FOR GRADUATION: 1982 TO 1988

[For school year ending in year shown. A credit is a class scheduled for a minimum of 200 minutes per week (275 for a laboratory class) for 36 weeks. Credits have been converted to a 4-year base. Based on survey and subject to sampling error; see source for details. For definition of mean, see Guide to Tabular Presentation]

SUBJECT AND YEAR	NCEE ¹ recommendations	Dis- tricts with high schools	ENROLLMENT SIZE			REGION			
			Less than 2,500	2,500 to 9,999	10,000 and over	North Atlan- tic ²	Great Lakes and Plains ³	South- east ⁴	West and South- west ⁵
Total: 1982.....	(x)	19.7	19.8	19.5	19.7	19.0	19.4	19.0	21.2
1985.....	(x)	20.3	20.4	20.0	20.2	19.6	19.9	19.8	21.6
1988 ⁶	(x)	21.0	21.1	20.8	21.2	20.4	20.6	20.9	22.3
English ⁷	4.0	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
1982.....	(x)	3.6	3.6	3.7	3.6	4.0	3.4	3.9	3.6
1985.....	(x)	3.8	3.8	3.8	3.7	4.0	3.6	3.9	3.8
1988 ⁶	(x)	3.9	3.9	3.9	3.8	4.0	3.7	4.0	3.9
Mathematics.....	3.0	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
1982.....	(x)	1.6	1.7	1.6	1.7	1.7	1.4	1.6	1.6
1985.....	(x)	1.9	1.9	1.8	2.0	1.9	1.7	2.2	2.1
1988 ⁶	(x)	2.3	2.3	2.3	2.4	2.4	2.0	2.6	2.5
Science.....	3.0	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
1982.....	(x)	1.5	1.6	1.4	1.4	1.5	1.4	1.6	1.7
1985.....	(x)	1.8	1.8	1.6	1.7	1.7	1.6	1.8	2.0
1988 ⁶	(x)	2.0	2.0	2.0	2.1	2.2	1.8	2.2	2.2
Social studies ⁸	3.0	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
1982.....	(x)	2.6	2.6	2.7	2.6	3.1	2.5	2.4	2.6
1985.....	(x)	2.8	2.8	2.7	2.8	3.1	2.7	2.5	2.8
1988 ⁶	(x)	2.9	2.9	2.8	2.9	3.2	2.8	2.7	2.9

X Not applicable. ¹ National Commission on Excellence in Education. ² Includes CT, DE, DC, ME, MD, MA, NH, NJ, NY, PA, RI, and VT. ³ Includes IL, IN, IA, KS, MI, MN, MO, NE, ND, OH, SD, and WI. ⁴ Includes AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, and WV. ⁵ Includes AK, AZ, CA, CO, HI, ID, MT, NV, NM, OK, OR, TX, UT, WA, and WY. ⁶ Expected. ⁷ Includes language arts. ⁸ Includes history.

Source U.S. Dept. of Education, National Center for Education Statistics, Fast Response Survey System, No. 23, Academic Requirement.

No. 240. PUBLIC HIGH SCHOOL GRADUATES—STATES: 1980 TO 1988 [In thousands. Excludes equivalency certificates]

STATE	1983	1986	1988	STATE	1986	1988	1983	STATE	1986	1988	1986
U.S.....	2,762.4	2,423.6	2,419.7	KS.....	30.9	26.0	26.3	ND.....	10.0	8.2	8.3
AL.....	45.2	40.0	42.6	KY.....	40.8	36.0	39.7	OH.....	144.2	122.3	123.5
AK.....	5.2	5.2	5.6	LA.....	46.3	39.0	40.2	OK.....	39.3	34.6	35.0
AZ.....	26.6	27.9	30.1	ME.....	15.4	13.9	13.1	OR.....	29.9	26.9	26.5
AR.....	29.1	26.3	27.8	MD.....	54.5	48.3	47.2	PA.....	146.5	127.2	124.9
CA.....	249.2	225.4	222.4	MA.....	77.0	63.7	53.4	RI.....	10.9	9.2	8.5
CO.....	36.6	32.3	35.0	MI.....	124.3	105.9	95.1	SC.....	37.7	35.0	36.0
CT.....	40.0	34.5	32.6	MN.....	66.1	53.4	54.3	SD.....	10.7	8.2	8.5
DE.....	7.6	5.9	6.1	MS.....	27.6	25.3	24.1	TN.....	49.8	43.3	47.7
DC.....	5.1	3.9	4.2	MO.....	62.3	51.3	51.0	TX.....	171.4	159.3	168.4
FL.....	67.6	61.1	69.0	MT.....	12.1	10.0	10.1	UT.....	20.0	19.6	21.0
GA.....	82.7	58.7	60.9	NE.....	22.4	18.0	15.7	VT.....	6.6	5.8	6.1
HI.....	11.8	10.1	10.5	NV.....	8.5	8.6	8.7	VA.....	68.9	61.0	66.7
ID.....	13.1	12.1	13.0	NH.....	11.4	11.1	11.0	WA.....	50.4	45.8	49.9
IL.....	135.6	117.0	116.2	NJ.....	97.6	85.6	79.7	WV.....	23.4	22.3	22.9
IN.....	75.6	64.8	54.2	NM.....	18.3	15.6	15.6	WI.....	71.3	60.2	56.7
IA.....	43.4	36.1	35.5	NY.....	204.1	166.8	165.9	WY.....	6.1	5.7	5.3
				NC.....	70.9	67.2	64.8				

Source: National Education Association, Washington, DC, Estimates of School Statistics, annual. (Copyright.)

No. 241. HIGH SCHOOL DROPOUTS 14 TO 24 YEARS OLD, BY AGE AND RACE: 1970 TO 1986 [As of October. See headnote, table 243 for definition of dropouts]

AGE AND RACE	NUMBER OF DROPOUTS (1,000)								PERCENT OF POPULATION			
	1970	1975	1980	1982	1982	1984	1985	1986	1979	1980	1986	1983
Total dropouts ^{1 2}	4,670	4,974	5,212	5,190	5,025	4,764	4,466	4,316	12.2	12.0	10.8	10.6
16-17 years.....	617	715	709	556	494	485	505	455	8.0	8.8	7.0	6.1
18-21 years.....	2,138	2,557	2,578	2,646	2,419	2,297	2,095	1,961	16.4	15.6	14.1	13.6
22-24 years.....	1,770	1,553	1,796	1,854	1,991	1,845	1,724	1,726	18.7	15.2	14.1	14.3
White ²	3,677	3,661	4,169	4,006	3,960	3,831	3,960	3,467	10.6	11.3	10.6	10.3
16-17 years.....	485	594	619	478	424	421	424	394	7.3	9.2	7.1	6.5
18-21 years.....	1,618	1,960	2,032	2,056	1,897	1,852	1,678	1,568	14.3	14.7	13.6	13.1
22-24 years.....	1,358	1,189	1,416	1,467	1,531	1,429	1,372	1,408	16.3	14.0	13.3	13.9
Black ²	1,047	1,024	964	967	916	799	746	707	22.2	16.9	12.6	12.6
16-17 years.....	125	116	80	68	62	55	70	52	12.8	8.9	6.5	4.7
18-21 years.....	500	540	465	519	436	373	376	345	30.5	23.0	17.5	16.5
22-24 years.....	397	337	346	332	396	339	279	272	37.6	24.0	17.8	17.3

¹ Includes other race groups not shown separately. ² Includes persons 14-15 years, not shown separately.

Source: U.S. Bureau of the Census, Current Population Reports, series P-20, No. 406 and earlier reports; and unpublished data.

NO. 242. ENROLLMENT STATUS OF PERSONS 18 TO 21 YEARS OLD, BY RACE, HISPANIC ORIGIN, AND SEX: 1975 AND 1986

[As of October. For the civilian noninstitutional population. Based on the Current Population Survey; see text, section 1 and Appendix III]

CHARACTERISTIC	TOTAL PERSONS (1,000)		PERCENT DISTRIBUTION									
			Enrolled in high school		High school graduates						Not high school graduates	
	Total				In college		Not in college					
	1975	1986	1975	1986	1975	1986	1975	1986	1975	1986	1975	1986
Total ¹	15,609	14,483	5.7	7.0	78.0	79.4	33.5	36.6	44.5	42.8	16.3	13.6
White	13,448	11,915	4.7	5.1	80.6	80.8	34.8	37.9	43.0	42.9	14.7	13.1
Black	1,997	2,092	12.6	11.5	90.4	72.0	24.9	26.1	36.8	45.9	27.0	16.6
Hispanic ²	869	1,374	12.0	9.6	67.2	56.9	24.4	22.2	32.6	30.5	30.8	31.2
Male ¹	7,584	7,099	7.4	8.5	78.5	78.3	35.4	36.2	41.3	40.2	15.9	14.7
White	6,546	6,850	6.2	7.4	79.7	78.2	36.9	37.9	42.8	40.3	14.1	14.4
Black	911	985	15.0	13.5	55.0	66.4	23.9	23.0	31.1	43.4	29.0	17.2
Hispanic ²	410	719	17.3	9.1	64.6	56.4	25.2	21.1	29.3	36.3	27.9	34.4
Female ¹	8,100	7,386	4.2	5.5	78.2	82.8	31.8	36.9	47.4	45.4	16.8	12.5
White	6,903	6,066	3.2	4.7	81.2	83.3	32.4	37.6	49.0	45.4	15.3	12.0
Black	1,095	1,107	9.7	7.0	81.2	77.0	25.8	25.7	36.2	46.2	23.4	16.0
Hispanic ³	494	699	7.9	10.2	69.3	62.2	23.6	23.6	35.7	28.5	33.1	27.8

¹ Includes other races not shown separately. ² Persons of Hispanic origin may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, Nos. 303 and 429.

NO. 243. EMPLOYMENT STATUS OF HIGH SCHOOL GRADUATES NOT ENROLLED IN COLLEGE AND SCHOOL DROPOUTS, BY SEX AND RACE: 1975 TO 1987

[In thousands, except percent. As of October. For civilian noninstitutional population 16 to 24 years old. High school graduates: Persons not enrolled in college who have completed 4 years of high school only. Dropouts: Persons not in regular school and who have not completed the 12th grade nor received a general equivalency degree. Based on Current Population Survey; see text, section 1, and Appendix III]

EMPLOYMENT STATUS, SEX, AND RACE	GRADUATES					DROPOUTS				
	1975 ¹	1986	1986	1986	1987	1975 ¹	1986	1986	1986	1987
Civilian population	19,519	11,822	12,361	9,399	9,399	4,999	5,292	4,999	4,149	4,999
In labor force	8,508	8,796	8,886	8,471	7,979	8,085	8,547	8,822	2,785	2,804
Percent of population	43.6	74.9	72.0	90.1	84.9	41.4	74.0	71.5	67.0	29.8
Employed ²	7,348	8,867	7,707	7,466	7,169	2,893	2,893	2,165	2,117	2,390
Percent of labor force	86.4	100.8	86.8	88.0	89.7	35.8	33.9	24.5	24.1	85.6
Male	3,786	4,462	4,601	4,008	3,786	1,899	1,790	1,478	1,449	1,489
Female	3,899	4,196	3,709	3,467	3,267	784	676	690	677	780
White	6,891	7,899	8,722	8,839	8,169	1,575	2,310	1,987	1,844	1,899
Black	892	617	669	662	669	341	366	294	220	249
Unemployed ²	1,169	1,229	1,116	879	819	796	894	787	679	574
Percent of labor force	13.6	14.1	13.2	9.9	9.3	9.6	10.1	8.8	7.9	20.2
Male	599	699	699	467	599	431	546	499	309	399
Female	590	632	646	519	414	364	546	294	299	299
White	917	894	729	840	546	547	899	694	489	416
Black	229	299	699	319	266	212	296	199	167	199
Not in labor force	2,012	1,927	1,886	1,822	1,999	1,879	1,709	1,499	1,349	1,999
Percent of population	10.3	16.3	15.3	19.1	21.4	38.6	33.5	30.0	32.0	20.2

¹ Population controls based on 1980 census; see text, sections 1 and 4. ² Includes other races not shown separately.

Source: U.S. Bureau of Labor Statistics, Bulletin 2307, and unpublished data.

NO. 244. HIGH SCHOOL GRADUATES BY SEX AND CONTROL AND GENERAL EDUCATIONAL DEVELOPMENT (GED) CERTIFICATES ISSUED, BY AGE: 1960 TO 1986

[In thousands, except percent. See also *Historical Statistics, Colonial Times to 1970*, series H 598-601]

YEAR OF GRADUATION	HIGH SCHOOL GRADUATES ¹						GED'S ISSUED				
	Total		Sex		Control		Total	Percent by age			
	Number	Percent of persons 17 years old ²	Male	Female	Public	Private, excl.		17 years old or less	20-24 years old	25-29 years old	30 years old and over
1960	1,868	69.5	885	983	1,627	231	(NA)	(NA)	(NA)	(NA)	(NA)
1965	2,658	72.1	1,311	1,347	2,380	278	(NA)	(NA)	(NA)	(NA)	(NA)
1970	2,889	76.9	1,430	1,459	2,589	300	(NA)	(NA)	(NA)	(NA)	(NA)
1975	3,133	73.8	1,542	1,591	2,823	310	340	33	26	14	27
1980	3,043	71.4	1,481	1,552	2,748	295	479	37	27	13	23
1983	2,886	73.3	1,437	1,451	2,598	290	465	34	29	14	23
1984	2,767	73.7	(NA)	(NA)	2,495	272	427	32	28	15	25
1985	2,677	73.2	(NA)	(NA)	2,414	263	413	32	28	15	26
1986	2,642	73.0	(NA)	(NA)	2,382	260	426	32	28	15	27

NA Not available. ¹ Data for 1960-1970 include about 7,000 graduates of subcollegiate departments of institutions of higher education, Federal schools for Indians and on Federal installations, and residential schools for exceptional children. ² Based on estimated resident population as of July 1.

Source: U.S. Department of Education, National Center for Education Statistics, *Digest of Education Statistics*, annual.

NO. 245. COLLEGE ENROLLMENT AND PERCENT OF HIGH SCHOOL GRADUATES ENROLLED IN, OR COMPLETED ONE OR MORE YEARS OF COLLEGE, BY SEX AND RACE: 1960 TO 1986

[As of October, except as noted. Covers civilian noninstitutional population 14 to 24 years old]

ITEM AND YEAR	ALL PERSONS			MALE			FEMALE		
	Total ¹	White	Black	Total ¹	White	Black	Total ¹	White	Black
College enrollment (1,000): 1960 ²	2,279	2,136	³ 141	1,365	1,297	³ 68	914	841	³ 73
1970	8,085	6,535	437	3,461	3,213	202	2,604	2,322	286
1980	7,475	6,548	718	3,700	3,303	292	3,778	3,243	426
1985	7,799	6,729	755	3,880	3,374	355	3,917	3,357	400
1986	7,613	6,426	820	3,739	3,206	350	3,874	3,221	471
Percent of high school graduates enrolled:									
1960 ³	23.8	24.3	³ 16.7	30.4	31.1	³ 21.1	18.0	18.1	³ 16.8
1970	33.3	33.9	26.7	41.8	42.9	29.5	28.3	28.3	24.7
1980	32.3	32.5	28.3	33.8	34.3	27.0	30.9	30.9	29.2
1985	34.3	35.0	26.5	36.0	36.6	26.2	32.8	33.6	25.1
1986	34.4	34.6	28.8	35.7	36.1	26.2	33.3	33.3	29.4
Percent of high school graduates enrolled in college or completed 1 or more years of college: 1960 ²	40.4	41.0	³ 32.5	48.1	47.1	³ 33.5	35.3	35.6	³ 31.6
1970	52.3	53.4	40.0	59.2	60.8	41.2	46.5	47.1	39.0
1980	51.1	51.4	48.2	51.4	51.8	44.4	51.0	51.0	47.6
1985	54.3	55.3	43.8	54.6	55.5	43.5	54.0	55.2	43.9
1986	54.6	55.3	47.4	54.2	55.0	43.7	55.3	55.6	50.2

¹ Includes other races, not shown separately. ² As of April. ³ Black and other races.

Source: U.S. Bureau of the Census, *U.S. Census of Population: 1960*, vol. 1, *Characteristics of the Population*, part 1; *Current Population Reports*, series P-20, No. 429 and earlier reports; and unpublished data.

NO. 246. COLLEGE ENROLLMENT, BY SEX, AGE, AND RACE: 1972 TO 1986

[In thousands. As of October. Covers civilian noninstitutional population, 14 years old and over. Degree credit enrollment only]

SEX, AGE, AND RACE	1972	1975	1978	1979	1980	1981 ¹	1981 ²	1982	1983	1984	1985	1986
Total	9,095	10,880	11,140	11,380	11,387	11,814	12,127	12,309	12,320	12,364	12,524	12,482
Male ²	5,218	5,911	5,581	5,480	5,430	5,636	5,825	5,899	6,010	5,989	5,905	5,848
18-24 years	3,534	3,693	3,621	3,506	3,604	3,724	3,833	3,837	3,820	3,929	3,749	3,649
25-34 years	1,178	1,521	1,398	1,356	1,325	1,375	1,442	1,480	1,578	1,492	1,464	1,508
35 years and over	365	589	457	487	405	443	453	490	508	476	581	600
Female ²	3,877	4,969	5,559	5,900	5,957	6,178	6,303	6,410	6,310	6,317	6,616	6,554
18-24 years	2,724	3,243	3,373	3,482	3,825	3,880	3,741	3,641	3,657	3,862	3,766	3,747
25-34 years	581	947	1,173	1,319	1,378	1,431	1,485	1,528	1,510	1,522	1,599	1,483
35 years and over	418	614	845	914	802	934	940	900	989	970	1,100	1,197
White	8,147	9,547	9,662	9,858	9,826	10,166	10,352	10,550	10,566	10,521	10,782	10,497
Male	4,723	5,263	4,913	4,823	4,804	4,900	5,011	5,078	5,162	5,111	5,101	4,987
Female	3,427	4,285	4,748	5,132	5,123	5,265	5,342	5,474	5,404	5,410	5,680	5,510
Black and other races	948	1,333	1,479	1,424	1,461	1,848	1,775	1,758	1,754	1,784	1,742	1,905
Male	496	648	668	657	626	735	814	821	848	878	888	861
Female	450	684	811	768	834	913	961	936	906	906	854	1,044

¹ Population controls based on 1970 census; see text, sections 1 and 4. ² Population controls based on 1980 census; see text, sections 1 and 4. ³ Includes persons 14 to 17 years old, not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 429 and earlier reports; and unpublished data.

No. 247. HIGHER EDUCATION—SUMMARY: 1970 TO 1986

[Institutions, staff, and enrollment as of fall. Finances for fiscal year ending in the following year. Covers universities, colleges, professional schools, junior and teachers colleges, both publicly and privately controlled, regular session. Includes estimates for institutions not reporting. See also Appendix III, and *Historical Statistics, Colonial Times to 1970*, series H 682, H 689-705, and H 710]

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986
Institutions ¹	Number	2,895	3,039	3,331	3,359	3,380	3,394	3,331	3,349	3,499
4-year	Number	1,965	1,998	1,957	1,979	1,984	2,013	2,035	2,029	2,070
2-year	Number	931	1,129	1,274	1,274	1,299	1,271	1,306	1,311	1,336
Instructional staff	1,000	579	781	948	985	985	(NA)	(NA)	(NA)	(NA)
instructor or above	1,000	474	629	696	705	701	725	700	710	717
Percent full-time	Percent	77.8	70.1	65.6	64.9	64.9	65.1	65.0	64.2	64.2
Total enrollment ²	1,000	6,581	11,185	12,087	12,372	12,436	12,465	12,542	12,547	12,551
Male	1,000	4,837	5,921	6,674	6,975	6,931	6,924	6,964	6,918	6,965
Female	1,000	3,284	4,410	5,223	5,397	5,394	5,441	5,378	5,429	5,515
4-year institutions	1,000	6,290	7,143	7,571	7,655	7,654	7,741	7,711	7,716	7,826
2-year institutions	1,000	1,830	2,568	4,526	4,716	4,772	4,723	4,531	4,531	4,675
Full-time	1,000	5,489	6,147	7,096	7,161	7,221	7,261	7,096	7,075	7,117
Part-time	1,000	2,431	3,584	4,999	5,190	5,205	5,204	5,144	5,172	5,284
Public	1,000	5,800	7,426	8,457	8,647	8,685	8,683	8,476	8,479	8,722
Private	1,000	2,120	2,906	2,640	2,725	2,750	2,782	2,765	2,768	2,779
Undergraduates ³	1,000	7,376	9,679	10,476	10,755	10,825	10,846	10,616	10,597	10,797
Men	1,000	4,854	5,257	5,000	5,109	5,170	5,158	5,007	4,962	5,018
Women	1,000	3,122	4,422	5,476	5,646	5,654	5,688	5,612	5,634	5,779
First-time freshmen	1,000	2,083	2,515	2,588	2,595	2,505	2,444	2,357	2,292	2,214
First-professional	1,000	173	242	278	275	278	279	279	274	270
Men	1,000	159	192	198	193	191	189	185	180	174
Women	1,000	15	50	78	82	87	90	94	94	96
Graduate ⁴	1,000	1,031	1,263	1,343	1,343	1,222	1,340	1,345	1,376	1,434
Men	1,000	630	700	675	674	670	677	672	677	694
Women	1,000	400	563	670	669	552	663	674	699	741
Current funds revenues ⁵	ML dol	23,379	36,783	46,886	72,191	77,896	84,417	82,473	100,436	(NA)
Tuition and fees	ML dol	5,021	8,172	13,773	18,774	17,776	19,715	21,263	23,117	(NA)
Federal Government	ML dol	2,739	5,414	8,479	8,320	8,181	8,763	9,815	10,466	(NA)
State government	ML dol	6,569	12,261	20,106	21,849	23,066	24,707	27,563	29,912	(NA)
Auxiliary enterprises	ML dol	3,125	4,548	7,287	8,122	8,770	9,466	10,100	10,674	(NA)
Plant funds ⁶	ML dol	(NA)	3,910	4,774	5,185	4,997	6,236	6,737	7,713	(NA)
Increase in fund balance ⁷	ML dol	499	959	2,793	2,224	5,322	2,410	4,853	7,236	(NA)
Current funds expenditures ⁸	ML dol	23,375	36,993	46,053	70,339	75,398	81,999	86,951	87,836	(NA)
Educational and general ⁹	ML dol	17,816	30,598	50,574	54,849	55,929	63,741	70,081	76,128	(NA)
Auxiliary enterprises and activities	ML dol	2,899	4,477	7,298	7,998	8,614	9,250	10,012	10,528	(NA)
Gross addition to plant value	ML dol	4,185	4,702	6,471	6,975	7,421	7,804	8,306	10,149	(NA)
Value of plant	ML dol	46,054	66,348	86,781	94,517	100,993	107,840	114,764	122,281	(NA)
Endowment (book value)	ML dol	11,341	13,952	20,941	23,085	26,392	29,502	33,399	36,696	(NA)

NA Not available. ¹ Beginning 1975, number of institutions includes count of branch campuses. ² Beginning 1975, branch campuses counted according to actual status, e.g., 2-year branch in 2-year category; previously a 2-year branch included in university category. ³ Includes unclassified students. (Students taking courses for credit, but are not candidates for degrees.) ⁴ Includes items not shown separately. ⁵ Annual net increase in plant funds. ⁶ Includes endowment, and, beginning 1975, annuity and student loans. See table 257. ⁷ Beginning 1976, not strictly comparable with earlier years.

Source: U.S. Dept. of Education, National Center for Education Statistics, *Digest of Education Statistics*, annual; and unpublished data.

No. 248. JUNIOR (TWO-YEAR) COLLEGES—SUMMARY: 1970 TO 1986

[Institutions and their enrollment as of fall; financial data for fiscal year ending the following year. Prior to 1975, excludes two-year branches of universities and other four-year institutions. Beginning 1980, includes schools accredited by the National Association of Trade and Technical Schools. See *Historical Statistics, Colonial Times to 1970*, series H 690-692 and H 705, for related but not comparable data. See also Appendix III]

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986
Institutions	Number	882	1,123	1,274	1,274	1,299	1,271	1,296	1,311	1,296
Public	Number	654	897	945	940	953	918	935	932	980
Private	Number	237	231	329	334	345	355	371	379	378
Enrollment	1,000	2,329	3,979	4,896	4,716	4,772	4,723	4,831	4,831	4,675
Public	1,000	2,102	3,838	4,329	4,461	4,520	4,459	4,279	4,270	4,418
Private	1,000	121	134	196	235	252	264	252	291	257
Male	1,000	1,217	2,165	2,047	2,124	2,170	2,131	2,017	2,002	2,080
Female	1,000	900	1,905	2,479	2,592	2,602	2,602	2,614	2,529	2,615
Current funds revenue ¹	ML dol	5,364	8,304	8,505	9,394	9,579	10,999	11,449	12,229	(NA)
Tuition and fees	ML dol	413	699	1,818	1,584	2,108	2,318	2,499	2,616	(NA)
State government	ML dol	916	2,246	3,991	4,209	4,487	4,773	5,199	5,659	(NA)
Local government	ML dol	700	1,187	1,823	1,482	1,565	1,708	1,850	2,027	(NA)
Current funds expenditures	ML dol	2,927	5,699	6,212	6,996	6,997	10,314	11,287	11,675	(NA)
Educational and general ²	ML dol	2,073	4,738	7,808	8,369	8,983	9,830	10,374	11,118	(NA)
Instruction	ML dol	1,205	2,401	3,794	4,139	4,447	4,715	5,075	5,398	(NA)

NA Not available. ¹ Includes items not shown separately. ² Includes mandatory transfers.

Source: U.S. Dept. of Education, National Center for Education Statistics, *Digest of Education Statistics*, annual; and *Financial Statistics of Institutions of Higher Education*, annual.

NO. 246. INSTITUTIONS OF HIGHER EDUCATION—NUMBER, 1986, AND ENROLLMENT, BY SELECTED CHARACTERISTICS 1980 AND 1986—STATES AND OTHER AREAS

Number of institutions for academic year beginning 1986. Opening fall enrollment of resident and extension students attending full-time or part-time. Excludes students taking courses for credit by mail, radio, or TV, and students in branches of U.S. institutions operated in foreign countries. See Appendix III. For composition of regions, see fig. 1, inside front cover.

REGION, DIVISION AND STATE OR OTHER AREA	1980		Number of institutions ¹	Enrollment (1,000)							
	Total enrollment (1,000)	First-time freshmen (1,000)		Total	Male	Female	Public	Private	Full-time	Part-time	First-time freshmen
United States	12,887	2,894	3,408	12,801	6,886	6,816	5,722	2,779	7,117	5,284	2,217
Region:											
Northeast	2,587	522	846	2,625	1,210	1,416	1,508	1,117	1,823	1,002	487
Midwest	3,044	721	882	3,202	1,527	1,675	2,531	670	1,857	1,345	585
South	3,437	740	1,080	3,681	1,711	1,970	3,022	859	2,170	1,511	636
West	2,878	800	580	2,940	1,391	1,549	2,806	333	1,413	1,526	523
New England	788	188	284	778	354	424	388	383	474	384	148
Maine	43	10	31	48	21	25	34	12	28	18	9
New Hampshire	47	12	28	54	25	29	26	25	35	19	11
Vermont	31	7	22	32	14	18	19	14	23	9	7
Massachusetts	418	90	121	418	191	227	179	239	282	158	70
Rhode Island	67	13	13	70	32	38	38	34	44	26	13
Connecticut	180	36	48	158	71	87	68	58	82	77	30
Middle Atlantic	1,822	388	581	1,847	858	989	1,113	734	1,148	688	318
New York	982	183	308	1,006	456	550	573	433	643	383	188
New Jersey	322	66	81	295	135	160	238	80	147	148	45
Pennsylvania	508	109	212	546	264	282	304	242	358	187	105
East North Central	2,170	518	534	2,282	1,079	1,183	1,800	481	1,288	1,000	408
Ohio	489	111	142	520	259	261	385	136	311	210	106
Indiana	247	57	78	250	123	126	184	56	162	88	47
Illinois	844	148	183	887	320	387	531	156	339	348	108
Michigan	520	125	81	520	241	279	446	75	284	256	98
Wisconsin	288	75	82	284	136	148	245	39	190	94	52
West North Central	875	208	348	940	482	458	731	208	581	459	177
Minnesota	207	43	73	227	105	121	179	48	145	82	46
Iowa	140	39	61	155	78	76	110	45	115	40	35
Missouri	234	50	82	246	116	130	177	77	141	108	36
North Dakota	34	10	19	37	19	18	35	2	29	9	8
South Dakota	33	8	18	31	14	17	24	7	22	9	6
Nebraska	80	24	33	100	47	53	84	16	58	44	19
Kansas	137	30	52	143	67	76	130	13	83	60	27
South Atlantic	1,734	248	545	1,880	847	1,013	1,458	422	1,048	811	314
Delaware	33	9	10	34	15	19	10	24	21	13	7
Maryland	226	48	56	233	103	130	199	68	109	125	33
District of Columbia	87	15	18	78	38	40	12	68	47	30	10
Virginia	281	41	75	308	136	172	266	43	188	140	47
West Virginia	82	16	29	77	34	43	67	10	28	28	14
North Carolina	288	70	125	323	145	178	283	80	199	124	67
South Carolina	133	35	82	134	61	74	108	26	83	41	29
Georgia	184	35	81	195	92	103	147	31	133	62	38
Florida	412	80	89	477	222	255	385	92	230	248	89
East South Central	614	141	288	624	288	336	515	108	437	198	124
Kentucky	143	31	58	145	63	81	115	29	84	51	27
Tennessee	205	45	82	197	92	105	149	48	129	86	33
Alabama	184	41	79	181	86	95	121	21	128	54	39
Mississippi	102	24	42	101	47	55	81	11	75	25	25
West South Central	1,088	288	278	1,187	578	609	1,088	148	886	882	300
Arkansas	78	19	34	79	35	44	68	10	55	24	17
Louisiana	180	34	32	171	81	90	148	25	126	46	29
Oklahoma	180	33	47	171	82	89	149	22	95	75	29
Texas	701	185	183	778	378	398	888	90	419	357	125
Mountain	888	188	184	742	388	354	658	82	383	348	142
Montana	35	8	17	35	17	18	31	4	26	9	8
Idaho	43	11	10	45	22	24	38	10	29	16	10
Wyoming	21	5	9	24	12	13	24	1	14	10	5
Colorado	163	29	52	177	88	92	158	20	102	75	29
New Mexico	58	10	21	80	38	42	79	2	36	41	9
Arizona	203	61	32	227	108	118	214	13	97	130	56
Utah	84	20	14	108	57	49	73	33	72	34	21
Nevada	41	6	9	47	20	26	46	-	13	34	8
Pacific	2,321	480	425	2,188	1,031	1,187	1,847	251	1,021	1,177	381
Washington	304	25	52	242	111	132	212	30	140	103	66
Oregon	158	45	45	145	70	74	126	18	85	80	25
California	1,791	380	289	1,732	813	918	1,540	182	757	875	277
Alaska	21	11	15	27	12	18	28	1	9	18	1
Hawaii	47	9	14	52	25	27	43	9	30	22	9
U.S. military ²	50	5	10	53	47	6	53	-	53	-	4
Other											
PR	131	38	42	157	82	65	58	68	124	22	34
GU	3	1	2	4	2	2	4	-	2	2	1
VI	2	(2)	1	2	1	2	2	-	1	2	(2)

- Represents zero. Z Less than 500. ¹ Branch campuses counted as separate institutions. ² Represents change in the reporting status of one institution. ³ Military academies.

Source: U.S. Dept. of Education, National Center for Education Statistics, *Fall Enrollment in Higher Education*, annual; and *Directory of Postsecondary Schools*, annual.

NO. 250. ENROLLMENT IN INSTITUTIONS OF HIGHER EDUCATION, BY SEX, AGE, AND ATTENDANCE STATUS, 1970 TO 1987, AND PROJECTIONS, 1982 AND 1987

(As of fall)

SEX AND AGE	NUMBER (1,000)						PERCENT PART-TIME					
	1970	1982	1985	1987	1982, proj.	1987, proj.	1970	1980	1985	1987	1982, proj.	1987, proj.
Total	8,881	12,887	12,347	12,844	12,408	12,173	32.2	41.3	43.2	42.6	44.3	44.5
Male	5,044	5,874	5,818	5,881	5,845	5,888	30.5	37.2	38.0	38.8	39.8	39.8
14 to 17 years old	129	99	121	81	81	90	3.9	15.2	15.7	8.8	8.9	10.0
18 and 19 years old	1,348	1,378	1,230	1,308	1,308	1,367	6.2	10.6	9.9	10.3	10.1	10.6
20 and 21 years old	1,085	1,258	1,218	1,089	1,088	1,008	9.5	12.2	15.5	14.9	14.8	14.7
22 to 24 years old	954	1,084	1,048	1,080	977	878	32.6	35.4	30.3	32.6	32.8	32.7
25 to 29 years old	783	883	881	1,018	895	867	58.2	60.1	58.0	58.0	58.0	58.1
30 to 34 years old	308	578	574	613	653	580	76.6	77.8	73.9	72.4	72.4	72.6
35 years old and over	415	507	689	684	801	679	81.9	84.8	84.8	83.2	83.3	83.1
Female	3,837	6,229	6,429	6,963	6,563	6,485	34.5	45.2	48.1	45.9	49.4	48.7
14 to 17 years old	129	148	113	119	104	115	9.3	11.5	10.6	10.9	10.6	11.3
18 and 19 years old	1,250	1,588	1,570	1,485	1,299	1,379	8.8	11.4	11.4	12.3	12.9	12.8
20 and 21 years old	785	1,185	1,188	1,135	1,135	1,043	16.3	17.9	18.7	18.9	18.0	18.0
22 to 24 years old	493	825	885	988	884	774	53.1	47.4	43.8	40.1	40.9	40.8
25 to 29 years old	292	878	982	831	854	793	72.6	73.6	68.8	67.0	67.9	67.8
30 to 34 years old	179	667	667	716	755	693	84.4	79.6	76.7	75.6	76.2	76.2
35 years old and over	409	913	1,248	1,338	1,553	1,886	85.8	87.5	80.0	81.8	82.3	82.3

Source: U.S. Dept. of Education, National Center for Education Statistics, *Projections of Education Statistics*, annual.

NO. 251. COLLEGE FRESHMEN—SUMMARY CHARACTERISTICS: 1982 TO 1987

(In percent. As of fall for first-time, full-time freshmen. Based on sample survey and subject to sampling error; see source)

CHARACTERISTIC	1982	1979	1976	1980	1982	1983	1984	1985	1986	1987
Sex: Male	47	55	53	48	48	48	48	48	48	47
Female	43	45	47	51	51	51	52	52	52	53
Average grade in high school										
A- to A+	18	18	18	21	21	20	20	21	23	21
B- to B+	54	58	60	60	60	59	59	59	59	59
C to C+	26	27	21	18	19	21	21	20	20	19
D	1	1	1	1	1	1	1	1	1	1
Political orientation:										
Liberal	NA	34	26	20	18	18	20	21	22	22
Middle of the road	NA	45	54	60	60	60	59	57	56	56
Conservative	NA	17	18	17	18	18	19	19	19	18
Probable field of study:										
Arts and humanities	17	18	11	8	8	8	8	8	8	9
Biological sciences	4	4	8	4	4	4	4	4	4	4
Business	14	16	18	24	24	24	26	27	26	27
Education	11	11	10	7	8	8	7	7	8	8
Engineering	10	9	8	12	12	12	11	11	11	10
Physical sciences	3	2	3	3	3	3	3	2	2	2
Social sciences	15	14	10	7	8	8	7	8	8	9
Professional	NA	NA	NA	16	18	14	14	13	12	11
Technical	2	4	8	8	7	7	6	6	4	3
Data processing/computer programming	NA	NA	NA	2	4	4	2	2	2	1
Other ¹	NA	NA	NA	NA	18	16	18	16	15	16
Communications	NA	NA	NA	2	2	2	2	2	3	3
Computer science	NA	NA	NA	1	2	5	3	2	2	2
Recipient of financial aid:										
Pell grant	NA	NA	27	36	23	26	20	19	17	17
Supplemental educational opportunity grant	NA	NA	8	8	7	7	6	6	6	8
State scholarship or grant	NA	NA	19	16	16	16	14	14	14	16
College grant	NA	NA	10	13	13	13	17	18	18	13
Federal guaranteed student loan	NA	NA	10	21	11	15	23	23	25	22
National direct student loan	NA	NA	10	9	6	6	6	6	7	6
College loan	NA	NA	13	4	4	4	4	4	4	5
College work-study grant	NA	NA	12	15	12	14	9	10	10	10
Essential or important objectives:										
Be very well-off financially	44	55	50	63	66	66	71	71	73	76
Develop meaningful philosophy of life	NA	76	64	50	47	44	45	43	41	39
Help others who are in difficulty	69	66	66	65	62	62	62	63	67	69
Become involved in programs to clean environment	NA	43	28	27	23	21	21	20	18	18
Attitudes—agree or strongly agree:										
Activities of married women are best confined to home and family	NA	48	28	27	26	25	23	22	20	26
Capital punishment should be abolished	NA	56	NA	34	28	28	28	27	28	24
Legalize marijuana	NA	38	47	38	29	28	23	23	21	20

NA Not available. ¹ Includes other fields of study, not shown separately. * 1978 data. * 1971 data.

Source: The Higher Education Research Institute, University of California, Los Angeles, CA, *The American Freshman: National Norms*, annual.

No. 252. EMPLOYED COLLEGE STUDENTS, BY SELECTED CHARACTERISTIC: 1983 AND 1985

[For school year ending in year shown and summer of the previous year. Covers students enrolled full-time in undergraduate four year colleges. Based on sample and subject to sampling error; for details, see source. For definition of median, see Guide to Tabular Presentation]

CHARACTERISTIC	TOTAL (1,000)		PERCENT EMPLOYED—							
			Full-time ¹				Part-time ²			
	1983	1985	School year		Summer		School year		Summer	
			1983	1985	1983	1985	1985	1985	1983	1985
Total.....	4,458.9	4,510.7	9.2	12.9	54.7	81.9	47.2	45.4	33.4	27.0
Sex:										
Male	2,254.7	2,294.9	10.9	14.4	58.5	68.1	44.5	43.0	31.0	23.6
Female	2,204.1	2,215.8	7.5	11.1	50.7	55.3	50.0	47.9	35.8	30.5
Race:										
White	3,833.7	3,863.1	9.1	12.4	56.2	64.0	46.0	45.7	33.9	26.3
Black	377.4	361.9	12.6	16.1	47.8	51.5	36.7	41.2	26.5	31.2
Other	247.7	285.7	6.3	12.7	41.9	45.4	50.0	47.5	36.3	30.4
Enrollment:										
Freshman	1,448.0	1,481.7	7.7	7.9	50.3	56.8	41.2	38.7	37.0	31.7
Sophomore	1,012.3	1,046.3	6.2	12.4	56.3	68.1	46.6	46.5	32.1	22.4
Junior	1,021.4	1,006.0	10.5	14.1	53.7	63.1	49.4	51.8	35.1	25.1
Senior	977.2	976.8	13.4	19.1	56.3	61.6	54.0	47.7	27.5	26.7
Family income:										
Under \$10,000	509.6	354.6	12.6	14.0	44.4	53.1	40.1	53.9	30.6	26.8
\$10,000—\$14,999	348.9	366.5	12.1	16.0	52.3	54.1	51.9	48.6	36.2	32.4
\$15,000—\$24,999	718.3	636.0	12.9	17.3	55.2	56.6	48.9	45.4	35.9	29.4
\$25,000—\$39,999	1,064.9	1,294.7	10.0	12.5	56.0	63.5	49.7	48.9	33.9	27.0
\$40,000—\$49,999	450.3	666.4	7.4	10.3	58.2	61.9	43.8	42.4	31.7	25.9
\$50,000 and over	636.7	1,166.6	6.5	10.7	58.7	67.9	40.2	40.3	30.1	24.2
Do not know	530.2	(x)	3.6	(x)	53.2	(x)	51.3	(x)	35.0	(x)
Living arrangements:										
On campus	1,921.1	2,064.4	3.1	4.9	59.4	67.0	43.9	40.2	31.9	24.1
Off campus:										
With parents	1,160.9	922.5	12.5	18.0	49.7	53.6	61.3	56.0	39.6	37.9
Alone or with others	1,346.9	1,533.8	15.0	20.1	52.3	59.8	39.3	44.7	29.7	24.3
Earnings (dol.):										
Median annual earnings	(NA)	\$2,561	(NA)	\$7,226	(NA)	\$3,130	(NA)	\$2,206	(NA)	\$1,700
Median monthly discretionary income	\$102	\$103	\$191	\$139	\$105	\$105	\$96	\$99	\$94	\$102

NA Not available. X Not applicable. ¹ Thirty or more hours per week. ² Less than 30 hours per week.

Source: Simmons Market Research Bureau, Inc., New York, NY, *National College Study*, 1983 and 1985. (Copyright.)

No. 253. COMPUTER USE BY COLLEGE STUDENTS—SELECTED CHARACTERISTICS BY PLACE OF USE:
1984

[As of October. Based on Current Population Survey; see text, section 1 and Appendix III. For similar data on grades K-12, see table 231]

ITEM	Total students (1,000)	PLACE OF USE OF COMPUTER							
		Number (1,000)				Percent			
		Total ¹	School	Home	Work	Total ¹	School	Home	Work
Total enrolled.....	13,806	5,461	3,677	1,224	2,261	44.4	29.9	8.9	18.4
Male	5,959	2,877	2,114	773	1,006	48.0	35.3	12.9	16.8
Female	6,316	2,584	1,563	452	1,253	40.9	24.7	7.2	19.6
White	10,522	4,767	3,151	1,106	2,002	45.3	29.9	10.5	19.0
Black	1,274	488	342	68	177	38.7	26.6	5.3	13.9
Other	509	226	164	48	82	44.4	36.1	9.4	16.7
Hispanic ²	563	231	171	27	97	41.0	30.4	4.8	17.2
Non-Hispanic	11,742	5,230	3,506	1,197	2,164	44.5	29.9	10.2	18.4
Part-time enrolled.....	4,219	2,136	696	541	1,577	50.6	21.3	12.8	37.4
1-2 years	1,672	826	323	199	573	44.1	17.3	10.6	30.6
3-4 years	1,044	586	250	152	406	56.1	23.9	14.6	39.2
5 years or more	1,302	724	325	190	595	55.6	25.0	14.6	45.7
Full-time enrolled	8,066	3,323	2,776	682	663	41.1	34.3	8.4	8.4
1-2 years	4,124	1,515	1,256	341	202	36.7	30.5	8.3	4.9
3-4 years	2,666	1,274	1,066	206	286	44.4	36.2	7.2	9.3
5 years or more	1,094	534	422	133	215	48.6	36.6	12.2	19.7

¹ Total who use computers at home, school, or work. Excludes duplication. ² Persons of Hispanic origin may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-23, No. 156.

No. 254. HIGHER EDUCATION ENROLLMENTS IN FOREIGN LANGUAGES: 1960 TO 1988

(As of fall)

ITEM	1960	1965	1969	1970	1972	1974	1977	1980	1985	1988
Registrations ¹ (1,000).....	847.1	1,034.9	1,127.4	1,111.5	1,066.9	946.8	933.5	934.3	933.5	1,000.9
Index (1960=100).....	100.0	122.1	133.1	131.2	125.9	111.7	110.1	110.2	110.1	118.1
By selected language (1,000):										
Spanish.....	176.7	310.5	354.9	368.2	394.5	392.2	376.7	379.4	398.2	411.3
French.....	228.8	371.5	388.1	368.9	283.1	253.1	248.1	246.4	270.1	275.3
German.....	148.1	213.9	216.3	202.8	177.1	152.1	135.4	125.9	128.2	121.0
Italian.....	11.1	22.9	30.4	34.2	33.3	32.0	33.3	34.8	38.7	40.9
Russian.....	30.8	33.7	40.7	38.1	35.4	32.5	27.8	24.0	30.4	34.0
Latin.....	25.7	38.6	35.0	27.8	24.4	25.2	24.4	25.0	24.2	25.0
Japanese.....	1.7	3.4	4.3	6.8	6.3	9.0	10.7	11.5	18.1	29.6
Ancient Greek.....	12.7	18.5	19.3	16.7	20.8	24.4	25.8	22.1	19.4	17.6
Chinese.....	1.8	3.4	5.1	6.2	10.0	10.6	9.8	11.4	13.2	19.9
Hebrew.....	3.8	6.1	10.2	18.8	21.1	22.4	19.4	18.4	18.2	18.8
Portuguese.....	1.0	3.0	4.0	5.1	4.8	5.1	5.0	4.9	4.4	5.1
Arabic.....	.5	.9	1.1	1.3	1.7	2.0	3.1	3.5	3.4	3.4

¹ Includes other foreign languages, not shown separately. ² Estimated.Source: Association of Departments of Foreign Languages, New York, NY, *ADFL Bulletin*, vol. 16, No. 2, and earlier issues. (Copyright.)

No. 255. FOREIGN (NONIMMIGRANT) STUDENT ENROLLMENT IN INSTITUTIONS OF HIGHER EDUCATION, BY REGION OF ORIGIN, 1976 TO 1987, AND BY FIELD OF STUDY, 1976 AND 1988

(For fall of the previous year)

REGION OF ORIGIN	ENROLLMENT (1,000)									PERCENT ENROLLED IN—					
	1976	1980	1981	1982	1983	1984	1985	1986	1987	Engineering		Science ¹		Business	
										1976	1988	1976	1988	1976	1988
All regions.....	179	306	312	336	337	338	344	344	308	23	22	13	8	16	21
Africa.....	25	36	38	42	43	42	40	34	32	17	15	16	7	20	21
Nigeria.....	11	16	17	20	21	20	18	15	14	14	12	16	5	22	21
Asia ²	97	165	179	181	187	183	200	210	210	30	27	13	8	75	18
China: Taiwan.....	11	16	18	21	21	22	23	24	26	26	27	27	11	8	12
Hong Kong.....	12	10	10	9	9	8	10	11	11	19	20	15	5	21	27
India.....	10	9	9	11	13	14	15	16	18	25	24	17	12	15	17
Indonesia.....	1	2	3	4	5	6	7	8	9	19	25	9	3	19	20
Iran.....	20	51	48	38	27	29	17	14	12	40	36	6	13	10	6
Japan.....	7	12	14	14	14	13	13	13	15	9	6	6	4	17	16
Malaysia.....	2	4	3	12	14	18	22	23	22	22	18	4	21	22	22
Saudi Arabia.....	3	10	10	10	9	8	6	7	6	27	27	5	3	15	17
South Korea.....	3	5	5	6	11	14	16	16	20	18	13	10	9	9	16
Thailand.....	7	7	7	7	7	7	7	7	6	14	14	8	5	13	31
Europe.....	14	22	25	29	32	32	35	34	38	13	13	13	6	18	17
Latin America ³	30	42	50	55	57	52	49	45	43	20	18	12	6	16	20
Mexico.....	5	6	7	6	7	6	6	6	5	13	14	11	6	17	16
Venezuela.....	5	10	12	14	15	13	10	7	5	34	25	10	5	8	21
North America.....	10	16	15	15	15	16	16	16	16	7	10	8	7	10	18
Canada.....	10	15	14	15	14	15	15	15	15	6	10	7	7	8	15
Oceania.....	3	4	4	4	4	4	4	4	4	6	7	11	5	13	15

¹ Physical and life sciences. ² Includes countries not shown separately. ³ Includes Central America, Caribbean, and South America.Source: Institute of International Education, New York, NY, *Open Doors*, annual. (Copyright.)

No. 256. HIGHER EDUCATION PRICE INDEXES: 1965 TO 1987

(1967=100. For years ending June 30. Reflects prices paid by colleges and universities. For explanation of average annual percent change, see Guide to Tabular Presentation)

YEAR	Index, total	Average annual percent change ¹	PERSONNEL COMPENSATION				CONTRACTED SERVICES, SUPPLIES, AND EQUIPMENT					
			Total	Professional salaries	Nonprofessional salaries	Fringe benefits	Total	Services	Supplies and materials	Equipment	Books, periodicals	Utilities
1965.....	91	4.3	89	89	84	78	88	88	88	85	91	100
1970.....	121	5.9	124	121	118	148	111	113	108	111	121	104
1975.....	166	6.6	166	154	196	241	166	160	164	154	220	203
1977.....	188	6.5	187	189	192	295	198	187	181	172	288	255
1978.....	201	6.7	199	178	207	324	209	175	185	183	286	283
1979.....	217	7.7	215	189	223	367	225	187	203	198	315	321
1980.....	238	9.9	233	202	243	409	281	202	236	216	364	409
1981.....	284	10.7	255	220	286	480	309	225	270	237	409	508
1982.....	290	10.0	279	239	287	528	332	251	284	255	443	586
1983.....	308	6.4	295	255	303	590	350	255	283	255	470	638
1984.....	325	5.4	317	287	319	683	360	277	282	270	487	643
1985.....	347	6.7	341	284	331	727	371	289	289	277	508	657
1986.....	363	4.4	360	301	343	771	371	298	285	288	529	688
1987.....	378	4.2	360	319	352	820	388	312	283	288	551	689

¹ Change from immediate prior year.Source: 1965-1982, U.S. National Institute of Education, *Inflation Measures for Schools and Colleges*, 1983; thereafter, Research Associates of Washington, Washington, DC, *Higher Education Prices and Price Indexes*, annual.

NO. 257. INSTITUTIONS OF HIGHER EDUCATION—FINANCES: 1975 TO 1986

[In millions of dollars. For fiscal years ending in year shown. For coverage, see headnote, table 247. See also Appendix III and Historical Statistics, Colonial Times to 1970, series H 729-738 and H 747-748.]

ITEM	1975	1980	1982	1983	1984	1985	1986		
							Total	Public	Private
Current funds revenues	35,657	58,520	72,191	77,598	84,417	92,473	100,436	65,006	35,430
Tuition and fees	7,233	11,930	15,774	17,776	19,715	21,283	23,117	9,439	13,677
Federal Government	4,991	7,772	8,320	8,181	8,783	9,815	10,466	5,899	3,767
State government	10,857	18,378	21,849	23,066	24,707	27,583	29,912	29,221	691
Local government	1,424	1,588	1,938	2,031	2,192	2,387	2,545	2,326	219
Endowment earnings	718	1,177	1,597	1,721	1,874	2,098	2,278	398	1,877
Private gifts, grants, and contracts ¹	1,745	2,808	3,584	4,053	4,415	4,896	5,410	2,110	3,301
Educational activities ²	555	1,239	1,583	1,723	1,971	2,126	2,373	1,597	777
Auxiliary enterprises	4,080	5,481	8,122	8,770	9,458	10,100	10,674	6,885	3,889
Other funds revenues ³	4,083	7,146	9,446	10,275	11,304	12,384	13,664	6,529	7,135
Plant funds⁴	3,311	4,382	5,166	4,997	6,238	6,737	7,713	5,458	2,255
Increase in fund balance	486	2,153	2,224	5,322	2,410	4,653	7,239	964	6,275
Endowment	229	1,874	2,030	4,675	2,148	4,302	6,782	880	5,912
Annuity and life income	26	84	49	177	69	153	235	11	224
Loans	231	215	145	269	193	198	212	73	139
Current funds expenditures⁴	35,058	56,914	70,339	75,936	81,983	89,951	97,536	63,194	34,342
Educational and general	27,548	44,543	54,849	58,929	63,741	70,061	76,126	50,873	25,253
Instruction	11,798	18,497	22,963	24,673	26,436	28,777	31,032	21,881	9,151
Institutional support	3,057	5,054	6,471	6,951	7,783	8,568	9,351	5,867	3,484
Research	3,132	5,099	5,930	6,265	6,724	7,552	8,437	5,705	2,732
Plant operation ⁵	2,787	4,700	5,879	6,392	6,730	7,348	7,805	5,177	2,628
Academic support	2,256	3,876	4,658	5,087	5,531	6,075	6,867	4,994	1,874
Libraries	1,002	1,824	1,922	2,040	2,231	2,361	2,551	1,885	666
Student services	1,439	2,587	3,177	3,461	3,798	4,178	4,563	2,822	1,741
Scholarships and fellowships	1,450	2,200	2,685	2,923	3,302	3,671	4,160	1,575	2,584
Unrestricted funds	632	905	1,236	1,479	1,738	1,982	2,285	887	1,398
Restricted funds	818	1,295	1,449	1,444	1,563	1,709	1,875	679	998
Public service	1,098	1,817	2,204	2,320	2,499	2,861	3,120	2,516	604
Mandatory transfers	532	732	784	857	958	1,015	1,192	735	457
Auxiliary enterprises ⁶	4,074	6,486	7,998	8,814	9,250	10,012	10,528	6,830	3,698
Hospitals ⁷	2,351	4,757	6,234	6,986	7,380	8,011	8,892	5,359	3,533
Independent operations ⁸	1,087	1,128	1,259	1,408	1,622	1,868	2,187	132	2,055
Gross addition to plant value⁹	4,781	6,561	6,875	7,421	7,804	8,306	10,149	6,875	3,274
Value of plant (grounds, buildings, equipment)	62,183	63,733	84,517	100,983	107,440	114,784	122,261	62,683	59,578
Endowment (book value) ⁹	13,403	18,581	23,085	28,362	29,502	33,398	38,986	7,442	31,557

¹ Private grants represent nongovernmental revenue for sponsored research and other sponsored programs; includes private contracts. ² Sales and services of educational departments only. ³ Includes sales and services of hospitals, federally funded research and development centers, and other sources. ⁴ Annual net increase in plant funds. ⁵ 1983 data estimated. ⁶ Includes mandatory transfers which are primarily current expenditures for plant. ⁷ Includes maintenance. ⁸ Includes expenditures from current funds for plant expansion. ⁹ Includes funds functioning as endowment funds.

Source: U.S. Dept. of Education, National Center for Education Statistics, *Digest of Education Statistics*, annual.

NO. 258. UNDERGRADUATE STUDENTS RECEIVING FINANCIAL AID, BY SOURCE OF AID, CONTROL AND LEVEL OF INSTITUTION: 1986-1987

[For full-time full-year students enrolled in the fall. Based on survey and subject to sampling error; see source.]

INSTITUTIONAL CONTROL AND LEVEL	Total enrolled (1,000)	PERCENT RECEIVING AID BY SOURCE					MEAN AMOUNT OF AID BY SOURCE (dol.) ²				
		Any aid ¹	Federal	State	Institutional	Other	Any aid	Federal	State	Institutional	Other
Total	6,621.3	88.2	47.7	32.1	21.4	7.9	3,513	2,973	1,396	2,698	1,419
Public	3,948.3	52.3	41.8	19.4	13.2	6.3	2,887	2,616	916	1,204	1,137
4-year doctoral	1,744.6	52.7	41.0	17.1	16.6	7.1	3,337	2,970	1,091	1,521	1,336
Other 4-year	1,045.4	55.9	47.2	25.1	11.1	5.9	2,957	2,630	928	998	1,070
2-year	1,104.8	47.4	37.3	17.7	10.3	5.6	2,063	2,008	636	627	619
Less than 2-year	51.5	71.3	63.9	21.7	3.5	3.9	2,391	2,278	907	(b)	(b)
Private, not for profit	1,392.3	73.4	67.0	31.4	48.2	10.5	5,633	3,525	1,873	2,711	1,777
4-year doctoral	536.0	67.9	52.7	25.0	44.7	8.6	6,509	3,843	2,047	3,691	2,251
Other 4-year	772.2	77.9	59.7	35.7	52.6	11.3	5,286	3,394	1,824	2,319	1,531
2-year	72.9	73.5	58.6	33.3	34.2	8.3	3,957	2,828	1,424	1,776	1,208
Less than 2-year	9.1	65.7	59.8	31.2	2.3	5.9	3,903	2,848	2,111	(b)	(b)
Private, for profit	282.7	66.4	62.6	13.3	4.8	4.5	4,025	3,831	1,825	2,182	2,751
2-year and above	136.7	66.6	63.7	18.8	4.6	3.6	3,946	3,452	1,668	2,643	2,247
Less than 2-year	147.0	66.2	61.6	8.2	4.9	5.3	4,086	3,798	2,116	1,775	3,063

(b) Base figure too small to provide reliable estimate. ¹ Excludes duplication. Includes students who did not specify source of aid. ² For students for whom award amount was available. For definition of mean, see Guide to Tabular Presentation.

Source: U.S. Department of Education, National Center for Education Statistics, *Undergraduate Financing of Postsecondary Education*, May 1988.

NO. 259. MAJOR FEDERAL STUDENT FINANCIAL ASSISTANCE PROGRAMS—TYPE OF PROGRAM, NUMBER OF RECIPIENTS, AND FUNDS UTILIZED: 1970 TO 1988

[For award years July 1 of year shown to the following June 30. For information on various programs, see source. Funds utilized exclude operating costs, etc., and represent funds given to students]

PROGRAM	Unit	1970	1975	1980	1982	1983	1984	1986	1986	1987, pref.	1988, pref.
Pell Grants:											
Number of recipients	1,000	(X)	1,216	2,808	2,808	2,840	2,890	2,910	2,762	2,872	3,205
Funds utilized	Mill. dol.	(X)	925	2,967	2,485	2,792	3,036	3,572	3,443	3,888	4,519
Average grant	Dollars	(X)	761	836	890	980	1,073	1,227	1,247	1,357	1,406
Supplemental Educational Opportunity Grants: ¹											
Number of recipients	1,000	283.4	390.0	716.5	840.7	848.6	852.0	866.0	881.2	839.0	827.0
Funds utilized	Mill. dol.	134	201	396	343	361	374	410	369	380	362
Average grant	Dollars	527	513	519	536	557	573	598	633	620	626
National Direct Student Loans:											
Number of recipients	1,000	462.0	699.0	813.4	874.9	716.8	697.2	700.9	715.9	836.0	676.0
Loan funds utilized ²	Mill. dol.	341	460	694	687	662	677	703	703	852	696
Average loan	Dollars	532	667	863	884	949	971	1,003	1,087	1,020	1,020
Loans in default ³	Mill. dol.	(NA)	(NA)	608.1	675.2	688.0	690.1	690.7	(NA)	(NA)	(NA)
Default rate	Percent	(NA)	(NA)	11.9	10.5	9.5	8.3	7.7	(NA)	(NA)	(NA)
College Work-Study											
Number of recipients	1,000	425.0	570.0	819.1	720.1	771.8	735.5	728.4	711.1	722.0	717.0
Funds utilized ⁴	Mill. dol.	300	295	680	616	684	645	606	640	684	699
Average annual earnings	Dollars	470	518	808	854	886	877	801	815	820	820
Guaranteed Student Loans: ⁴											
Number of loans	1,000	1,017	923	2,904	3,022	3,268	3,722	3,728	3,773	3,551	3,802
Loan funds utilized ⁵	Mill. dol.	1,015	1,267	6,200	6,694	7,579	8,808	8,531	8,088	9,286	8,753
Average loan	Dollars	998	1,373	2,135	2,216	2,319	2,313	2,309	2,408	2,643	2,566
Loans in default	Mill. dol.	(NA)	(NA)	1,894	2,515	3,191	4,227	(NA)	(NA)	(NA)	(NA)
Default rate ⁶	Percent	(NA)	(NA)	9.7	8.3	8.3	8.9	(NA)	(NA)	(NA)	(NA)

NA Not available. X Not applicable. ¹For 1970, data represents Educational Opportunity Grants Program. ²Includes institutional matching funds. ³Loans in default represents all loans in institutions' portfolio. ⁴Beginning with 1982, data include activity under the PLUS Program (includes the following eligible borrowers: Parents of dependent undergraduate students, independent undergraduate students, and graduate professional students). ⁵Represents dollar amount of commitments. ⁶Cumulative dollar amount of default claims to lenders, minus cumulative collections as a percent of cumulative matured loans.

Source: U.S. Dept. of Education, Office of Postsecondary Education, unpublished data.

NO. 260. FINANCES OF PUBLIC INSTITUTIONS OF HIGHER EDUCATION, 1987 AND 1988, AND BY STATE, 1988

[For academic years ending in year shown. Data provided by the State higher education finance officers, except as indicated]

YEAR AND STATE	FTE ¹ enrollment (1,000)	APPROPRIATIONS FOR CURRENT OPERATIONS ²		NET TUITION REVENUES ³		STATE	FTE ¹ enrollment (1,000)	APPROPRIATIONS FOR CURRENT OPERATIONS ²		NET TUITION REVENUES ³	
		Total (mil. dol.)	Per FTE ¹ student (dol.)	Total (mil. dol.)	Per FTE ¹ student (dol.)			Total (mil. dol.)	Per FTE ¹ student (dol.)	Total (mil. dol.)	Per FTE ¹ student (dol.)
Total, 1987	7,114.4	27,769.4	3,903	8,970.3	1,177	ME	83.4	239.1	2,857	119.1	1,426
Total, 1988	7,189.4	29,136.8	4,063	8,986.3	1,260	MO	129.9	474.2	3,652	193.1	1,487
AL	144.9	506.1	3,483	194.2	1,340	MT	26.1	83.1	3,583	24.5	936
AK	14.1	128.0	9,046	15.3	1,082	NE	53.7	158.6	2,956	84.8	1,207
AZ	115.8	441.7	3,814	119.7	1,033	NV	24.1	98.3	4,086	24.5	1,016
AR	56.2	198.5	3,532	71.7	1,276	NH	23.9	82.5	2,618	73.6	3,083
CA	1,037.3	5,103.6	4,920	511.5	493	NJ	152.4	844.0	5,540	214.9	1,410
CO	116.2	318.8	2,746	203.3	1,750	NM	47.1	196.4	4,172	36.6	777
CT	62.5	341.5	5,468	88.1	1,427	NY	416.5	2,548.7	6,115	496.0	1,189
DE	21.8	92.7	4,244	72.1	3,301	NC	236.0	987.0	4,162	158.9	673
DC	7.7	71.7	9,326	8.2	806	ND	30.2	91.0	3,016	39.9	1,322
FL	239.1	809.6	3,386	230.5	964	OH	314.4	1,045.1	3,324	573.3	1,823
GA ⁴	127.0	588.2	4,631	175.0	1,378	OK	103.0	370.9	3,602	91.7	891
HI	27.8	189.0	6,805	20.0	720	OR	95.6	342.3	3,583	115.0	1,204
ID	29.6	133.5	4,513	19.8	669	PA	256.7	1,006.7	3,930	631.5	2,460
IL	352.7	1,215.4	3,448	336.8	955	RI	26.2	116.0	4,423	49.5	1,897
IN	157.3	586.4	3,723	261.2	1,788	SC	103.0	374.2	3,632	187.6	1,629
IA	93.9	366.4	3,903	167.3	1,782	SD	17.7	48.0	2,705	20.1	1,133
KS	94.3	328.6	3,486	110.0	1,167	TN	121.6	516.1	4,244	180.4	1,319
KY	96.7	342.2	3,539	123.0	1,272	TX	549.2	1,873.8	3,045	463.0	943
LA	119.8	316.4	2,641	180.4	1,506	UT	66.2	227.2	4,045	62.1	1,106
ME	26.8	132.2	4,938	41.2	1,539	VT	14.8	29.9	2,018	73.0	4,927
MD	147.5	533.4	3,615	234.9	1,592	VA	191.0	699.7	3,664	299.4	1,588
MA	125.6	688.7	5,482	178.2	1,419	WA	150.7	804.2	4,010	155.9	1,035
MI	326.4	1,202.4	3,664	664.1	2,066	WV	53.3	153.6	2,863	80.7	1,136
MN	164.4	670.6	4,080	207.2	1,261	WI	169.0	717.8	3,796	330.8	1,790
						WY	18.7	115.8	8,203	14.8	777

¹ Full-time equivalent (FTE). Credit and non-credit program enrollment including summer session. Excludes medical enrollments.

² State and local appropriations. Includes aid to students attending in-State public institutions. Excludes sums for research, agriculture stations and cooperative extension, and hospitals and medical schools. ³ Excludes appropriated aid to students attending in-State public institutions. ⁴ Estimated by collecting agency.

Source: Research Associates of Washington, Washington, DC, *State Profiles: Financing Public Higher Education*, annual.

No. 261. INSTITUTIONS OF HIGHER EDUCATION—CHARGES: 1970 TO 1986

(In dollars. Estimated. Data are for the entire academic year ending in year shown. Figures for 1970 are average charges for full-time resident degree-credit students; figures for later years are average charges per full-time equivalent student. Room and board are based on full-time students.)

ACADEMIC CONTROL AND YEAR	TUITION AND REQUIRED FEES				BOARD RATES				DORMITORY CHARGES			
	All institutions	2-yr. colleges	4-yr. universities	Other 4-yr. schools	All institutions	2-yr. colleges	4-yr. universities	Other 4-yr. schools	All institutions	2-yr. colleges	4-yr. universities	Other 4-yr. schools
Public:												
1970	323	178	427	308	511	465	540	483	368	308	385	346
1975	432	277	588	446	625	638	634	613	505	424	527	467
1980	583	355	840	682	867	894	896	833	715	572	749	703
1984	881	528	1,284	1,052	1,178	1,205	1,213	1,141	1,087	801	1,131	1,082
1986	971	584	1,388	1,117	1,241	1,302	1,275	1,201	1,196	921	1,227	1,200
1986	1,044	641	1,538	1,157	1,300	1,380	1,320	1,240	1,240	980	1,200	1,240
1987, est.	1,108	680	1,651	1,248	1,468	1,417	1,537	1,418	1,301	979	1,355	1,298
1988, est.	1,180	690	1,750	1,320	1,520	1,460	1,600	1,470	1,350	1,050	1,410	1,340
Private:												
1970	1,533	1,034	1,808	1,465	581	548	808	543	436	413	503	409
1975	2,117	1,367	2,814	1,954	700	680	771	688	585	564	691	536
1980	3,130	2,082	3,811	3,020	965	924	1,076	911	827	789	988	788
1984	4,851	3,088	6,217	4,728	1,380	1,218	1,559	1,327	1,278	1,253	1,531	1,191
1986	5,314	3,405	6,843	5,135	1,482	1,284	1,847	1,405	1,426	1,424	1,753	1,309
1986	5,778	3,672	7,374	5,841	1,540	1,340	1,720	1,480	1,550	1,500	1,840	1,420
1987, est.	6,318	3,984	8,118	6,171	1,789	1,508	2,186	1,687	1,656	1,288	2,097	1,578
1988, est.	6,820	3,910	8,770	6,670	1,900	1,600	2,310	1,770	1,789	1,380	2,250	1,810

Source: U.S. Department of Education, National Center for Education Statistics, *Digest of Education Statistics*, annual.

No. 262. VOLUNTARY FINANCIAL SUPPORT OF HIGHER EDUCATION: 1970 TO 1987

(Per school years ending in years shown; enrollment as of fall of preceding year. Voluntary support, as defined in *Gift Reporting Standards*, excludes income from endowment and other invested funds as well as all support received from Federal, State, and local governments and their agencies.)

ITEM	Unit	1970	1975	1980	1982	1983	1984	1985	1986	1987
Estimated support, total ¹	Mill. dol.	1,780	2,180	3,885	4,845	5,160	5,800	6,320	7,460	8,800
Foundations	Mill. dol.	484	497	903	1,003	1,018	1,081	1,175	1,363	1,513
Individuals	Mill. dol.	822	1,002	1,757	2,337	2,427	2,621	2,876	3,606	4,412
Alumni	Mill. dol.	381	488	910	1,240	1,237	1,305	1,480	1,825	2,246
Business corporations	Mill. dol.	289	357	696	978	1,112	1,271	1,574	1,702	1,819
Religious denominations	Mill. dol.	102	112	155	175	206	190	208	211	204
Current operations	Mill. dol.	951	1,370	2,250	2,870	3,125	3,405	3,800	4,022	4,420
Capital purposes	Mill. dol.	829	790	1,550	1,960	2,035	2,195	2,520	3,378	4,080
Enrollment, higher education	1,000	8,094	10,224	11,570	12,372	12,428	12,485	12,242	12,247	12,501
Support per student	Dollars	220	211	328	383	415	449	516	604	690
in 1967 dollars	Dollars	194	137	142	140	141	147	183	186	203
Expenditures, higher education	Mill. dol.	24.7	38.9	62.5	77.3	83.3	89.6	98.3	105.7	113.8
Expenditures per student	Dollars	3,052	3,805	5,402	6,248	6,704	7,188	8,030	8,631	9,103
in 1967 dollars	Dollars	2,698	2,460	2,327	2,225	2,262	2,358	2,536	2,653	2,722
Institutions reporting support	Number	1,045	988	1,019	1,101	1,137	1,118	1,114	1,194	1,174
Total support reported	Mill. dol.	1,472	1,875	3,066	4,086	4,368	4,888	5,295	6,332	7,323
Private 4-year institutions	Mill. dol.	1,154	1,227	2,178	2,835	2,988	3,148	3,522	4,184	4,844
Public 4-year institutions	Mill. dol.	292	431	856	1,217	1,362	1,504	1,728	2,104	2,413
Two-year colleges	Mill. dol.	26	17	20	34	38	35	45	84	65

¹ Includes other contributions not shown separately.

Source: Council for Aid to Education, New York, NY, *Voluntary Support of Education*, annual.

No. 263. INSTITUTIONS OF HIGHER EDUCATION—AVERAGE SALARIES AND FRINGE BENEFITS FOR FACULTY MEMBERS, BY TYPE OF CONTROL: 1970 TO 1986

(In thousands of dollars. For academic year ending in year shown. Figures are for 9 months teaching for full-time faculty members in four-year colleges and universities.)

TYPE OF CONTROL AND ACADEMIC RANK	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
AVERAGE SALARIES												
Public: All ranks	19.1	18.8	20.5	22.1	23.9	26.2	28.5	29.4	31.2	33.4	35.8	37.2
Professor	17.3	21.7	26.8	28.8	31.0	33.7	36.0	37.1	39.8	42.3	45.3	47.2
Associate professor	13.2	16.7	20.5	21.9	23.4	25.7	27.5	28.4	30.2	32.2	34.2	35.8
Assistant professor	10.9	13.7	16.8	18.0	19.2	21.2	22.6	23.5	25.0	26.7	28.5	29.6
Instructor	9.1	11.2	13.9	14.8	15.1	16.7	17.7	18.1	19.5	20.9	21.8	22.2
Private: All ranks	13.1	16.5	21.2	22.1	24.4	26.8	29.2	31.1	33.0	35.4	37.8	39.7
Professor	17.8	22.4	28.1	30.1	32.7	35.8	38.8	41.5	44.1	47.0	50.3	52.2
Associate professor	12.6	18.0	19.8	21.0	23.1	25.4	27.5	29.4	30.9	32.9	34.9	36.8
Assistant professor	10.3	13.0	16.0	17.0	18.4	20.4	22.1	23.7	25.0	26.8	28.3	30.1
Instructor	8.5	10.9	13.2	13.3	14.4	15.9	17.5	18.4	19.0	19.8	20.4	22.7
AVERAGE FRINGE BENEFITS												
All ranks combined												
Public	1.9	2.5	3.4	3.8	4.7	5.1	5.4	6.0	7.0	7.8	7.8	8.2
Private ¹	2.2	2.8	3.8	4.1	4.8	5.4	5.7	6.4	7.2	8.0	8.6	9.2

¹ Excludes church-related colleges and universities.

Source: Maroon Eymann & Associates, c/o American Association of University Professors, Washington, DC, *Annual Report on the Economic Status of the Profession*.

No. 264. INSTITUTIONS OF HIGHER EDUCATION—TENURE STATUS OF FULL-TIME FACULTY, BY TYPE OF INSTITUTION AND RANK OF FACULTY: 1986

[Data are for those institutions of higher education reporting tenure status. Excludes schools with no tenure]

TYPE OF INSTITUTION AND STATUS	TYPE OF INSTITUTION				RANK OF FACULTY				
	Total ¹	Univer- sities	Other 4-yr colleges	2-yr colleges	Profe- sor	Associ- ate professor	Assistant professor	Instruc- tor	Lecturer
PUBLIC									
Total faculty	266,070	90,326	114,479	61,265	83,478	67,841	58,939	18,142	5,065
With tenure	183,432	61,512	75,533	46,367	80,536	57,968	17,165	2,439	616
Percent	68.9	68.1	66.0	75.7	96.5	85.4	29.1	13.4	10.9
PRIVATE									
Total faculty	92,682	30,051	61,278	1,353	30,744	26,237	26,357	6,314	1,249
With tenure	53,351	18,940	33,756	65	26,849	19,376	4,214	168	28
Percent	57.6	63.0	55.1	4.8	87.3	73.6	16.0	2.7	2.1

¹ Includes instructional faculty with no academic rank, not shown separately.

Source: U.S. Dept. of Education, National Center for Education Statistics, *Digest of Education Statistics*, annual.

No. 265. MONTHLY SALARY OFFERS TO CANDIDATES FOR DEGREES BY FIELD OF STUDY: 1980 TO 1988

[In dollars. Data are average beginning salaries based on offers made by business, industrial, government, and nonprofit and educational employers to graduating students. Data from representative colleges throughout U.S.]

FIELD OF STUDY	BACHELOR'S				MASTER'S ¹				DOCTOR'S			
	1980	1985	1986	1988	1980	1985	1987	1988	1980	1985	1987	1988
Accounting	1,293	1,697	1,812	2,010	1,517	2,005	2,163	2,290	(NA)	(NA)	(NA)	(NA)
Business, general ²	1,218	1,536	1,701	1,772	1,795	2,382	2,657	2,791	(NA)	(NA)	(NA)	(NA)
Marketing ³	1,145	1,548	1,697	1,757	1,794	2,454	2,384	2,808	(NA)	(NA)	(NA)	(NA)
Engineering												
Civil	1,554	1,969	2,037	2,119	1,753	2,363	2,413	2,467	2,069	2,507	3,336	3,144
Chemical	1,801	2,369	2,487	2,584	1,947	2,596	2,813	2,871	2,452	3,405	3,605	3,600
Electrical ⁴	1,690	2,263	2,410	2,474	1,912	2,727	2,957	3,008	2,534	3,542	3,965	4,116
Mechanical	1,703	2,259	2,359	2,451	1,893	2,821	2,835	2,640	2,426	3,188	3,589	3,663
Nuclear ⁴	1,668	2,283	2,379	2,373	1,831	2,582	2,856	2,655	(NA)	(NA)	(NA)	(NA)
Petroleum	1,987	2,583	2,568	2,672	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Engineering technology	1,585	2,137	2,185	2,290	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemistry	1,459	1,897	2,131	2,192	1,688	2,177	2,333	2,664	2,261	3,032	3,202	3,415
Mathematics	1,475	2,047	2,162	2,237	1,685	2,337	2,329	2,445	2,199	2,977	3,328	3,590
Physics	(NA)	(NA)	(NA)	2,378	(NA)	(NA)	(NA)	3,184	2,303	3,178	3,345	3,447
Humanities	1,074	1,461	1,688	1,830	1,309	1,514	1,887	1,674	(NA)	(NA)	(NA)	(NA)
Social sciences ⁴	1,072	1,545	1,823	1,981	1,298	1,771	1,983	1,920	(NA)	(NA)	(NA)	(NA)
Computer science	1,558	2,062	2,197	2,276	1,658	2,584	2,817	2,968	(NA)	(NA)	(NA)	3,917

NA: Not available. ¹ Candidates with 1 year or less of full-time nonmilitary employment. ² For master's degree, offers are after nontechnical undergraduate degree. ³ Includes distribution. ⁴ Includes computer engineering.

⁵ Includes engineering physics. ⁶ Excludes economics.

Source: College Placement Council, Inc., Bethlehem, PA, *Salary Survey, A Study of Beginning Offers*, annual. (Copyright.)

No. 266. EARNED DEGREES CONFERRED, BY LEVEL OF DEGREE AND SEX: 1950 TO 1988

[In thousands, except percent. Beginning 1980, includes Alaska and Hawaii. See *Historical Statistics, Colonial Times to 1970*, series H-751-763 for similar data. See also Appendix III]

YEAR	DEGREES		BACHELOR'S		MASTER'S		FIRST PROFESSIONAL		DOCTOR'S	
	Total	Per- cent male	Male	Fe- male	Male	Fe- male	Male	Fe- male	Male	Fe- male
1950	497	75.7	1,103	41	17	(?)	(?)	6	1	
1960	477	65.8	1,254	138	51	24	(?)	(?)	9	1
1965	664	88.5	289	213	78	40	27	1	15	2
1970	1,065	59.7	451	341	126	83	33	2	26	4
1974	1,310	58.1	527	418	119	49	5	27	6	
1975	1,305	58.8	505	418	182	131	49	7	27	7
1976	1,334	56.3	505	421	167	145	53	10	26	8
1977	1,334	55.5	496	424	168	149	52	12	25	8
1978	1,332	54.4	487	434	161	148	52	14	24	8
1979	1,324	53.4	477	444	153	146	53	16	24	8
1980	1,330	52.6	474	456	151	147	53	17	23	10
1981	1,338	51.8	470	465	147	149	53	19	23	10
1982	1,353	51.2	473	480	146	150	52	20	22	10
1983	1,365	51.1	479	486	145	145	51	22	22	11
1984	1,368	51.2	482	486	144	141	51	23	22	11
1985	1,374	50.8	483	491	143	143	50	25	22	11
1986	1,384	50.6	486	498	144	145	49	25	22	12

¹ Includes first-professional degrees. ² First-professional degrees are included with bachelor's degrees.

Source: U.S. Department of Education, National Center for Education Statistics, *Digest of Education Statistics*, annual.

NO. 267. EARNED DEGREES CONFERRED, BY FIELD OF STUDY, AND LEVEL OF DEGREE: 1971 TO 1988

LEVEL AND FIELD OF STUDY	1971	1975	1980	1981	1982	1983	1984	1985	1988
Bachelor's, total	838,730	922,933	925,417	935,140	962,996	988,510	974,306	979,477	967,823
Agriculture and natural resources	12,872	17,528	22,602	21,886	21,029	20,909	19,317	18,107	16,823
Architecture and environmental design	5,570	5,226	9,132	9,455	9,728	9,823	9,168	8,325	9,119
Area and ethnic studies	2,582	3,544	2,840	2,867	2,862	2,971	2,879	2,867	3,080
Business and management	114,885	133,010	185,361	199,338	214,001	226,883	230,031	233,351	228,180
Communications ¹	10,802	19,248	26,616	31,282	34,222	36,602	40,165	42,063	43,091
Computer and information sciences	2,388	5,033	11,154	15,121	20,267	24,510	32,172	38,578	41,886
Education	175,614	187,015	118,169	108,308	101,113	97,991	92,362	86,161	87,221
Engineering ¹	50,046	46,852	68,683	75,000	80,005	89,270	94,444	98,106	95,953
Foreign languages	19,945	17,608	11,133	10,319	9,841	9,685	9,479	9,954	10,102
Health sciences	25,190	48,858	63,007	63,348	63,385	64,614	64,338	64,513	64,535
Home economics	11,187	16,772	18,411	18,370	17,872	16,706	16,316	15,555	15,288
Law	548	436	683	778	646	1,089	1,272	1,157	1,197
Letters	64,833	48,534	33,487	33,208	34,334	32,743	33,739	34,081	35,434
Liberal/general studies	5,461	13,032	20,089	18,598	16,145	18,524	16,815	18,191	19,248
Library and archival sciences	1,013	1,089	368	375	307	288	255	202	157
Life sciences	35,743	51,741	46,370	43,218	41,638	39,982	38,640	38,445	38,584
Mathematics	24,801	18,181	11,378	11,078	11,589	12,453	12,211	16,146	16,308
Military sciences	357	340	251	305	283	267	195	298	256
Multi/interdisciplinary studies	8,306	15,185	14,404	15,896	17,651	17,282	16,734	15,727	15,700
Parks and recreation	1,621	4,518	5,753	5,729	5,335	5,198	4,752	4,593	4,433
Philosophy, religion, and theology	11,880	13,606	13,278	12,617	12,307	12,536	12,349	12,439	11,841
Physical sciences	21,412	20,778	23,410	23,952	24,052	23,406	23,671	23,732	21,731
Psychology	37,880	50,988	41,982	40,833	41,031	40,364	39,872	39,811	40,521
Protective services	2,045	9,956	15,015	13,707	12,438	12,579	12,654	12,510	12,704
Public affairs	8,252	14,730	18,422	18,714	18,739	16,290	14,398	13,838	13,878
Social sciences	155,236	135,185	103,519	100,345	99,545	95,088	93,212	91,461	93,703
Visual and performing arts	30,394	40,782	40,882	40,479	40,422	39,489	39,833	37,936	36,949
Master's, total	230,509	282,480	296,091	296,739	296,546	299,921	294,383	296,251	296,987
Agriculture and natural resources	2,457	3,067	3,978	4,003	4,183	4,254	4,178	3,938	3,601
Architecture and environmental design	1,705	2,938	3,139	3,153	3,327	3,357	3,223	3,275	3,280
Area and ethnic studies	1,032	1,186	852	804	809	828	889	879	927
Business and management	26,481	36,247	55,008	57,898	61,299	65,319	68,653	67,527	67,137
Communications ¹	1,856	2,794	3,082	3,105	3,327	3,804	3,658	3,889	3,823
Computer and information sciences	1,588	2,299	3,647	4,218	4,835	5,321	6,190	7,101	8,070
Education	68,962	120,189	103,851	98,938	93,757	84,853	77,187	76,137	75,363
Engineering ¹	16,443	15,348	16,243	16,708	17,939	19,360	20,861	21,557	21,651
Foreign languages	4,755	3,807	2,238	2,104	2,008	1,759	1,773	1,724	1,721
Health sciences	5,445	9,901	15,068	16,004	15,942	17,088	17,443	17,383	18,824
Home economics	1,452	1,901	2,880	2,570	2,355	2,406	2,422	2,383	2,289
Law	955	1,245	1,817	1,832	1,893	2,081	1,802	1,796	1,924
Letters	11,148	10,068	6,807	6,515	6,421	5,767	5,816	5,934	6,291
Liberal/general studies	549	1,630	1,373	1,085	1,094	889	1,173	1,180	1,154
Library and archival sciences	7,001	6,091	5,374	4,859	4,508	3,979	3,805	3,893	3,828
Life sciences	5,728	6,550	6,510	5,978	5,874	5,696	5,406	5,059	5,013
Mathematics	5,191	4,327	2,880	2,567	2,727	2,837	2,741	2,882	3,158
Military sciences	2	-	48	43	49	110	127	119	83
Multi/interdisciplinary studies	1,157	1,936	3,579	3,434	3,864	2,930	3,148	3,184	3,104
Parks and recreation	218	804	847	843	528	585	555	544	485
Philosophy, religion, and theology	4,036	4,830	5,126	5,449	5,216	5,673	6,259	5,519	5,830
Physical sciences	6,367	5,807	5,219	5,284	5,514	5,290	5,576	5,796	5,902
Psychology	4,431	7,086	7,808	7,998	7,791	8,378	8,002	8,406	8,293
Protective services	194	983	1,805	1,538	1,336	1,300	1,218	1,236	1,074
Public affairs	8,215	14,810	18,413	18,524	18,216	16,245	15,373	16,045	16,300
Social sciences	16,476	16,882	12,101	11,855	11,892	11,112	10,465	10,380	10,428
Visual and performing arts	6,675	5,362	6,706	6,829	6,746	6,742	6,520	6,714	6,416
Doctorate's, total	32,107	34,083	22,615	22,968	32,767	32,775	34,308	32,943	33,993
Agriculture and natural resources	1,086	991	991	1,067	1,079	1,149	1,172	1,213	1,158
Architecture and environmental design	36	89	79	93	80	97	84	86	73
Area and ethnic studies	144	185	151	162	102	153	139	137	157
Business and management	807	1,008	782	842	855	809	977	885	888
Communications ¹	145	185	183	182	200	214	219	234	223
Computer and information sciences	128	213	240	252	251	282	251	248	344
Education	8,403	7,446	7,941	7,900	7,880	7,551	7,473	7,151	7,110
Engineering ¹	3,636	3,108	2,507	2,561	2,636	2,831	2,981	3,230	3,410
Foreign languages	781	857	549	588	536	488	482	437	448
Health sciences	459	609	771	827	910	1,155	1,183	1,199	1,241
Home economics	123	156	182	247	247	255	279	278	311
Law	20	21	40	60	22	72	121	105	54
Letters	1,857	1,951	1,500	1,380	1,313	1,178	1,215	1,239	1,215
Liberal/general studies	3,645	3,364	3,638	3,718	3,743	3,341	3,437	3,432	3,356
Life sciences	1,199	975	724	728	681	686	685	689	742
Mathematics	80	254	295	258	358	387	378	285	319
Multi/interdisciplinary studies	868	1,416	1,683	1,886	1,652	1,612	1,644	1,808	1,880
Philosophy, religion, and theology	4,390	3,628	3,089	3,141	3,286	3,289	3,306	3,403	3,551
Physical sciences	1,782	2,442	2,788	2,855	2,780	3,108	2,973	2,908	3,088
Psychology	185	271	372	388	386	347	421	431	385
Public affairs	3,859	4,209	3,219	3,114	3,061	2,931	2,911	2,851	2,855
Social sciences	621	849	655	654	670	692	728	693	722
Visual and performing arts	53	97	218	167	176	178	180	209	180

- Represents zero. Includes technologies. ¹ Data revised since originally published.

Source: U.S. Department of Education, National Center for Education Statistics, *Digest of Education Statistics*, annual.

No. 268. DEGREES CONFERRED IN SELECTED PROFESSIONS: 1960 TO 1986

[First professional degree for medicine, dentistry, and law. As of spring. See Appendix III]

TYPE OF DEGREE AND SEX OF RECIPIENT	1960	1970	1975	1978	1980	1981	1982	1983	1984	1985	1986
Medicine (M.D.):											
Institutions conferring degrees	79	66	104	109	112	116	119	116	119	120	120
Degrees conferred, total.....	7,032	8,314	12,447	14,788	14,802	15,805	15,814	15,484	15,813	16,041	15,938
Men.....	6,645	7,615	10,819	11,381	11,416	11,672	11,867	11,360	11,389	11,167	11,022
Women.....	367	699	1,629	3,406	3,406	5,938	3,947	4,134	4,454	4,874	4,916
Percent of total	5.5	8.4	13.1	23.0	23.4	24.7	25.0	26.7	28.2	30.4	30.8
Dentistry (D.D.S. or D.M.D.):											
Institutions conferring degrees	45	46	52	58	58	58	58	59	60	58	59
Degrees conferred, total.....	3,247	3,718	4,773	5,484	5,258	5,480	5,282	5,585	5,363	5,339	5,046
Men.....	3,221	3,684	4,627	4,784	4,588	4,672	4,467	4,631	4,902	4,233	3,907
Women.....	26	34	146	640	700	780	915	954	1,051	1,106	1,139
Percent of total .....	.8	.9	3.1	11.8	13.3	14.4	15.4	17.1	19.6	20.7	22.6
Law (LL.B. or J.D.):											
Institutions conferring degrees	134	145	154	175	179	177	130	177	179	181	181
Degrees conferred, total.....	9,240	14,916	20,296	35,206	35,847	36,331	35,991	36,853	37,012	37,491	35,844
Men.....	9,010	14,115	24,861	25,180	24,863	24,863	23,965	23,550	23,382	23,070	21,674
Women.....	230	901	4,415	10,026	10,754	11,768	12,026	13,303	13,630	14,421	13,970
Percent of total	2.5	5.4	15.1	28.5	30.2	32.4	33.4	36.4	36.8	38.8	39.0
Engineering: ¹											
Degrees conferred, total.....	45,624	63,753	65,308	80,376	67,643	94,270	100,590	111,451	110,028	123,382	121,034
Bachelor's.....	37,679	44,479	46,852	62,375	65,308	75,000	80,005	89,270	94,444	96,105	95,953
Master's	7,159	15,353	15,348	15,485	16,243	16,768	17,936	19,360	20,661	21,867	21,661
Doctorate's	786	3,661	3,106	2,506	2,507	2,561	2,636	2,561	2,561	3,630	3,410
Men.....	45,453	63,227	65,853	74,189	60,001	96,106	96,706	96,575	103,629	105,724	105,721
Women.....	171	526	1,455	6,206	7,643	9,105	10,674	12,676	14,467	15,166	15,353
Percent of total .....	.4	.8	2.2	7.7	8.7	8.7	10.8	11.8	12.2	12.5	12.5

¹ Includes engineering technologies.
Source: U.S. Dept. of Education, National Center for Education Statistics, *Digest of Education Statistics*, annual.

No. 269. TOTAL GRADUATE STUDENT ENROLLMENT AND DEGREES CONFERRED IN SELECTED FIELDS, BY RACE/ETHNICITY: 1984

[As of fall. Excludes outlying areas. Totals may not agree with other published data because of newly classified schools for which racial/ethnic data were not imputed. For methodological details, see source]

ITEM	NUMBER				PERCENT DISTRIBUTION			
	Total	Minority ¹	White ²	Non-resident alien ³	Total	Minority ¹	White ²	Non-resident alien ³
Graduate enrollment.....	1,113,113	111,629	882,091	109,397	100.0	10.0	80.1	9.8
Degrees conferred: ⁴								
Masters.....	280,421	28,841	223,628	36,853	100.0	10.3	79.7	9.8
Doctorates	32,307	3,056	23,934	5,317	100.0	9.5	74.1	16.5
SELECTED FIELD								
Agribusiness/agri. products:								
Masters.....	768	58	620	210	100.0	7.1	66.2	26.7
Doctorates	196	35	111	52	100.0	17.7	58.1	26.3
Agriculture sciences:								
Masters.....	2,082	136	1,434	492	100.0	6.6	69.5	23.9
Doctorates	822	62	619	241	100.0	7.5	63.1	29.3
Business and management:								
Masters.....	66,531	6,196	54,623	5,602	100.0	9.2	82.1	8.7
Doctorates	947	57	687	203	100.0	6.7	69.3	24.0
Computer and info. systems:								
Masters.....	6,942	930	4,303	1,708	100.0	13.4	62.0	24.6
Doctorates	240	20	150	70	100.0	8.3	62.5	28.2
Engineering:								
Masters.....	20,145	2,265	12,166	5,604	100.0	11.2	60.5	28.3
Doctorates	3,166	396	1,370	1,397	100.0	12.6	43.3	44.1
Mathematics:								
Masters.....	2,631	273	1,673	685	100.0	9.6	66.2	24.2
Doctorates	980	65	372	249	100.0	9.5	54.2	36.8
Physical sciences:								
Masters.....	5,661	430	4,133	1,099	100.0	7.6	73.0	19.4
Doctorates	3,389	286	2,420	661	100.0	8.0	71.8	20.2
Social sciences:								
Masters.....	10,197	1,065	7,333	1,799	100.0	10.4	71.9	17.6
Doctorates	2,628	262	1,889	597	100.0	9.3	39.6	21.1

¹ American Indian/Alaskan native, Non-Hispanic Black, Asian/Pacific Islander and Hispanic. ² Non-Hispanic. ³ A person who is not a citizen or national of the U.S. who is in the country on a temporary basis and does not have the right to remain indefinitely. ⁴ Includes degrees conferred in fields not shown separately.
Source: U.S. National Center for Education Statistics, *Education Data Tabulations*, January 1988.

No. 270. EARNED DEGREES BELOW BACHELOR'S, BY CURRICULUM: 1963 TO 1966

[Covers associate degrees and other awards based on post-secondary curricula of less than 4 years in institutions of higher education]

FIELD OF STUDY	1963	1964	1965	1966	PERCENT FEMALE			
					1963	1964	1965	1966
All degrees	905,895	910,322	914,746	904,634	53.6	54.3	54.4	55.7
Agriculture and natural resources	11,672	10,641	10,466	9,263	30.3	28.9	29.6	29.5
Architecture and environmental design	2,012	1,927	1,938	2,016	61.9	64.3	62.5	65.6
Area and ethnic studies	60	64	69	115	56.3	60.9	71.0	39.1
Business and management	161,865	166,238	170,170	168,168	65.8	66.5	66.4	70.3
Communications ¹	4,309	4,162	4,580	4,526	44.7	43.2	39.7	40.9
Computer and information sciences	12,970	16,111	15,896	13,307	50.5	49.1	49.3	49.5
Education	8,112	8,503	8,551	8,354	69.5	72.2	70.9	71.0
Engineering ¹	101,707	100,080	100,146	97,609	8.4	7.9	7.6	6.1
Foreign languages	394	372	427	526	56.3	57.5	49.6	50.2
Health sciences	101,584	107,142	107,248	104,061	87.6	87.0	86.7	86.4
Home economics	14,360	14,344	14,966	14,780	75.4	75.0	74.5	72.6
Law	2,287	2,551	2,948	3,259	83.0	83.1	84.3	83.8
Letters	731	822	661	812	63.6	64.6	65.9	62.7
Liberal/general studies	110,400	109,451	107,814	109,529	54.9	54.9	55.5	56.4
Library and archival sciences	305	260	253	208	88.9	86.2	89.7	88.0
Life sciences	1,227	1,297	1,206	1,080	47.9	52.4	60.8	56.2
Mathematics	813	821	813	705	37.7	36.4	37.8	36.3
Military sciences	66	87	34	² 1,000	2.3	4.6	-	3.3
Multi/interdisciplinary studies	10,516	8,398	6,697	6,873	53.6	54.5	53.8	54.2
Parks and recreation	1,144	819	993	797	52.6	50.9	51.8	50.4
Philosophy, religion, and theology	1,610	1,740	1,830	1,610	44.5	44.3	47.8	40.2
Physical sciences	3,245	2,980	2,298	2,230	34.7	34.7	36.3	36.8
Psychology	1,051	1,147	1,032	1,005	64.6	67.0	68.4	68.6
Protective services	15,873	16,554	16,057	15,562	23.6	23.8	23.8	25.2
Public affairs	6,074	5,612	6,230	6,245	49.6	47.2	40.8	42.9
Social sciences	3,004	2,756	2,613	2,753	52.9	57.1	57.3	56.3
Visual and performing arts	26,170	26,244	24,358	24,015	30.9	32.7	31.7	32.9
Undistributed	-	-	2,537	1,034	-	-	59.6	59.6

- Represents zero. ¹ Includes technologies. ² Includes a certificate program, not previously included.Source: U.S. Dept. of Education, National Center for Education Statistics, *Digest of Education Statistics*, annual.

No. 271. HIGHEST DEGREE HELD AND MEAN MONTHLY INCOME AND EARNINGS, FIELD OF DEGREE BY LEVEL: 1964

[For noninstitutional population 18 years of age and over with post-secondary degree. Based on Survey of Income and Program Participation; for details see source. For definition of mean, see Guide to Tabular Presentation]

FIELD OF DEGREE	PERSONS WITH DEGREES (1,000)			MEAN MONTHLY INCOME ² (dollars)			MEAN MONTHLY EARNINGS ² (dollars)		
	All de- grees ¹	Ad- vanced de- grees	Bache- lor's de- grees	All de- grees ¹	Ad- vanced de- grees	Bache- lor's de- grees	All de- grees ¹	Ad- vanced de- grees	Bache- lor's de- grees
Total	35,280	8,306	18,067	1,918	2,711	1,841	1,823	2,341	1,666
Agriculture/Forestry	561	40	367	2,110	(B)	1,945	1,619	(B)	1,569
Biology	665	146	472	1,718	(B)	1,556	1,411	(B)	1,201
Business/Management	6,667	865	3,476	2,215	3,564	2,361	1,066	3,162	2,179
Economics	483	107	354	2,624	(B)	2,846	2,366	(B)	2,280
Education	5,736	2,026	3,270	1,528	2,062	1,290	1,211	1,665	1,012
Engineering	2,778	420	1,757	2,707	3,306	2,833	2,256	2,666	2,262
English/Journalism	1,081	214	613	1,544	1,945	1,477	1,164	1,567	1,065
Home Economics	427	48	318	1,083	(B)	1,086	571	(B)	526
Law	947	827	101	3,728	4,060	(B)	3,336	3,824	(B)
Liberal Arts/Humanities	3,155	497	1,674	1,363	1,720	1,400	1,094	1,466	1,072
Math/Statistics	563	139	407	2,111	(B)	2,116	1,656	(B)	1,609
Medicine/Dentistry	877	744	127	3,440	4,234	(B)	3,080	3,797	(B)
Nursing/Pharmacy ³	2,696	266	667	1,299	1,864	1,424	1,117	1,610	1,166
Physical/Earth Sciences	610	250	481	2,554	2,913	2,529	2,122	2,431	2,066
Police Sci./Law Enforcement	324	30	111	1,908	(B)	(B)	1,666	(B)	(B)
Psychology	606	230	519	1,445	2,262	1,261	1,360	1,661	1,166
Religion/Theology	536	303	184	1,530	1,584	(B)	1,171	1,211	(B)
Social Sciences	1,606	341	1,423	1,806	2,124	1,610	1,407	1,745	1,371
Vo-tech studies	1,389	18	139	1,456	(B)	(B)	1,280	(B)	(B)
Other	2,466	660	966	1,662	2,101	1,640	1,466	1,717	1,666

B Base is less than 200,000 persons. ¹ Includes associate degrees and vocational certificates, not shown separately.² Four month average. ³ Includes Technical Health.Source: U.S. Bureau of the Census, *Current Population Reports*, series P-70, No. 11.

No. 272. COLLEGE AND UNIVERSITY LIBRARIES—SUMMARY: 1985

[For school year ending in year shown. Based on survey of academic libraries and joint library systems in the 50 States and DC. Data from Survey of College and University Libraries, Fall 1985]

TYPE OF CONTROL AND ENROLLMENT SIZE	VOLUMES HELD		TITLES HELD		OPERATING EXPENSES (\$1,000)				STAFF ¹	
	Total (1,000)	Per FTE ¹ student	Total (1,000)	Per FTE ¹ student	Total ²	Wages and salaries ²	Books	Serial subscriptions ⁴	Total	Librarians
All types, public	373,446	36	165,306	17	1,806,809	782,574	194,626	222,348	55,593	13,514
10,000 or more	253,441	43	105,066	18	1,050,621	525,848	132,041	159,228	35,159	8,286
5,000 to 9,999	58,781	25	35,891	15	249,337	126,290	29,786	31,436	9,255	2,301
1,000 to 4,999	56,092	27	35,867	17	251,373	127,165	29,431	27,525	10,124	2,615
500 to 999	4,233	43	2,643	30	21,264	10,136	2,636	3,100	508	237
500 or less	917	32	589	21	6,214	3,113	663	1,050	245	72
All types, private	280,402	94	123,965	46	808,169	808,149	108,993	115,928	33,249	8,495
10,000 or more	79,220	118	29,128	43	286,960	133,004	32,218	39,583	9,173	2,467
5,000 to 9,999	42,633	82	14,899	29	143,618	66,753	18,398	24,503	4,899	1,303
1,000 to 4,999	90,559	78	53,431	45	265,033	118,498	41,957	36,289	13,074	2,997
500 to 999	28,474	97	17,737	65	64,210	29,888	9,045	8,743	3,470	906
500 or less	21,514	175	13,884	113	45,368	22,003	7,374	4,800	2,580	730

¹ Full-time equivalent. ² Includes expenses not shown separately; excludes capital outlay. ³ Excludes fringe benefits and wages for student assistance. ⁴ Any publication issued on a recurring basis and held for reference.

Source: U.S. Dept. of Education, National Center for Education Statistics, unpublished data.

No. 273. LIBRARIES—NUMBER, BY TYPE: 1980 TO 1987

TYPE	1980	1986	1987		TYPE	1986	1988	1987	
			Total	Per-cent				Total	Per-cent
Total ¹	31,884	32,323	35,294	100.0	Academic	4,591	5,034	4,824	13.7
United States	28,636	29,848	31,524	89.5	Junior college	1,191	1,189	1,270	3.6
Public	8,717	8,949	9,170	28.0	Colleges, universities	3,409	3,846	3,554	10.1
Public branches	5,938	6,330	6,117	17.4	Departmental	1,468	1,824	1,626	4.6
Special ²	7,648	7,530	9,147	26.0	Law, medicine, religious	289	531	532	1.5
Medicine	1,674	1,667	1,366	5.4	Government	1,200	1,574	1,760	5.0
Religious	913	639	984	2.7	Armed Forces	465	526	506	1.4
Law	417	435	587	1.7	Outlying areas	113	114	128	.3

¹ Includes public libraries with annual incomes of less than \$2,000 or book funds of less than \$500, law libraries with less than 10,000 volumes each, Canadian libraries, and libraries in regions administered by the U.S., not shown separately.

² Includes other types of special libraries, not shown separately. Increase between 1985 and 1987 is due mainly to revised criteria for identifying special libraries and improved methods of counting.

Source: R.R. Bowker Co., New York, NY, *The Bowker Annual of Library & Book Trade Information* and *American Library Directory*, annual. (Copyright by Reed Publishing.)

No. 274. PATRON USE OF COMPUTERS IN PUBLIC LIBRARY SYSTEMS: 1984-1985

[For winter 1984-85. Based on survey and subject to sampling error. See source for details]

CHARACTERISTIC	Unit	Total	POPULATION SERVED			REGION ¹			
			Less than 10,000	10,000 to 99,999	100,000 and over	North Atlantic	Great Lakes and Plains	South-east	West and South-west
Library systems	Number	8,537	5,447	2,697	394	2,709	3,496	1,003	1,328
With computers for use ²	Percent	18	13	28	42	21	16	17	19
In library	Percent	15	10	23	41	13	18	16	18
Outside library	Percent	4	4	6	3	9	3	1	2
Computers for use	Number	3,300	900	1,600	900	900	1,200	409	800
Inside library	Percent	75	88	73	89	57	80	91	82
Average per library system ³	Number	2.1	1.3	2.3	4.6	1.6	2.1	2.4	3.0
Average use per week per computer ^{3 4}	Hours	23.3	16.9	26.0	25.2	21.9	26.6	12.5	25.5
Users under 18 years ^{3 4}	Percent	71	81	86	56	72	71	71	70

¹ For definition of regions, see footnotes, table 239. ² Libraries systems with computers for use both inside and outside the library are counted only once in the total. ³ For systems with computers for patron use. ⁴ For computers used in library.

Source: U.S. Dept. of Education, National Center for Education Statistics, Bulletin, "Patron Use of Computers in Public Libraries," March 1986.

NO. 275. PARTICIPANTS IN ADULT EDUCATION, BY SELECTED CHARACTERISTICS: 1984

[For the year ending in May 1984. Persons 17 years of age and over on the date of the survey. Adult education participants are involved in part-time organized educational activities such as college courses, employee training, continuing education and private instruction. Based on Current Population Survey, see text, section 1, and Appendix (B)]

CHARACTERISTIC	Number adults in population (1,000)	PARTICIPANTS IN ADULT EDUCATION					
		Total		Full-time students ¹		Not full-time students ^{1,2}	
		Number (1,000)	Per-cent	Number (1,000)	Per-cent	Number (1,000)	Per-cent
Total	172,863	23,363	13.5	1,116	.8	22,244	12.9
Age:							
17-34 years old	71,661	11,704	16.3	152	1.3	10,756	15.0
35-54 years old	52,303	8,864	16.9	152	.3	6,712	16.7
55 years old and over	48,899	2,736	5.7	16	(0)	2,717	5.6
Sex:							
Male	81,700	10,446	12.6	466	.6	9,981	12.2
Female	90,863	12,857	14.1	634	.7	12,224	13.5
Racial/ethnic group:							
White, non-Hispanic	139,777	20,429	14.6	939	.7	19,491	13.9
Black, non-Hispanic	18,828	1,506	8.1	86	.5	1,418	7.6
Hispanic	9,706	796	8.2	63	.6	733	7.6
Other	4,472	571	12.6	26	.6	543	12.1
Highest level of education:							
Less than 4 years high school	47,297	1,860	4.0	315	.7	1,574	3.3
4 years of high school	66,224	6,991	10.6	193	.3	6,799	10.3
1 to 3 years of college	30,287	6,022	19.9	394	1.3	5,628	18.6
4 or more years of college	28,775	6,400	29.2	217	.8	6,184	28.4
Labor force status:							
In labor force	112,441	19,766	17.6	740	.7	19,047	16.9
Employed	104,484	18,829	18.1	654	.6	18,275	17.5
Unemployed	7,977	859	10.8	66	1.1	772	9.7
Not in labor force	60,141	3,516	5.8	376	.6	3,137	5.2
Keeping house	31,131	2,176	7.0	22	.1	2,156	6.9
Going to school	6,868	524	7.6	330	4.8	196	2.8
Other	22,144	813	3.7	26	.1	786	3.5
Annual family income:							
Under \$5,000	13,016	787	6.1	86	.7	712	5.5
\$5,000 to \$9,999	21,670	1,454	6.6	113	.5	1,341	6.1
\$10,000 to \$14,999	22,566	2,117	9.4	93	.4	2,023	9.0
\$15,000 to \$19,999	19,775	2,506	12.7	114	.6	2,394	12.1
\$20,000 to \$29,999	32,521	5,126	15.8	222	.7	4,906	15.1
\$30,000 to \$39,999	24,126	4,424	18.3	186	.8	4,238	17.6
\$40,000 to \$49,999	12,843	2,626	20.6	103	.8	2,522	19.9
\$50,000 to \$74,999	11,881	2,543	21.2	123	1.0	2,420	20.2
\$75,000 or more	5,112	1,011	19.8	49	.9	963	18.6
Not reported	8,851	696	7.8	32	.4	664	7.4

² Less than .05 percent. ¹ In high school or college degree programs on the date of the survey. ² Includes part-time undergraduate students and college students who indicated that they were also adult education participants.

NO. 276. COURSES TAKEN BY PARTICIPANTS IN ADULT EDUCATION: 1984

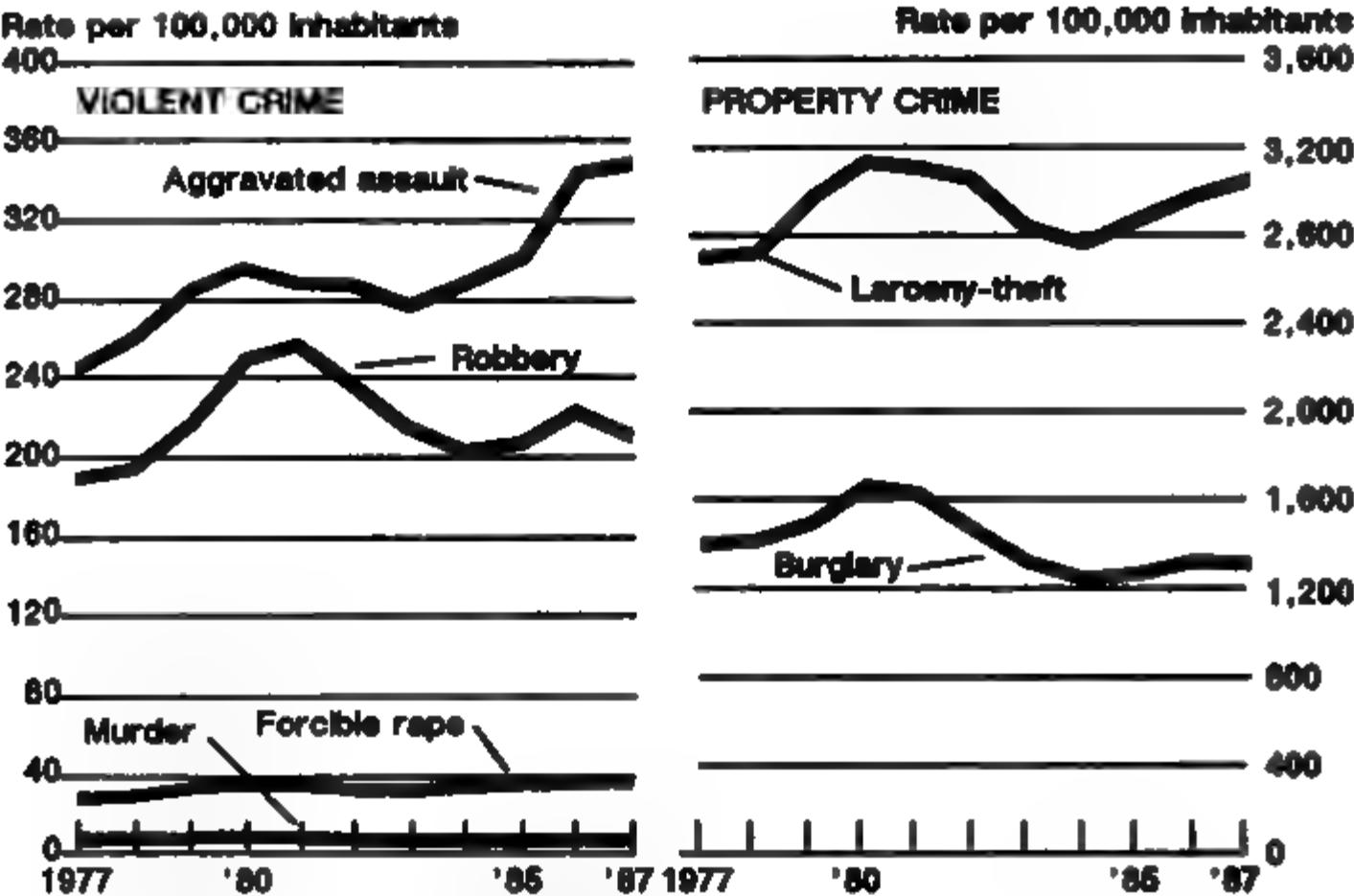
[See footnote, table 275]

FIELD OF STUDY	TOTAL (1,000)		PERCENT DISTRIBUTION		FIELD OF STUDY OR REASON	TOTAL (1,000)		PERCENT DISTRIBUTION	
	Male	Female	Male	Female		Male	Female	Male	Female
Total courses ¹	17,770	22,961	100.0	100.0	Philosophy, religion, and psychology	1,026	1,674	5.8	7.3
Arts: Visual and performing	506	1,640	2.9	7.1	Physical education and leisure	684	1,640	3.8	7.1
Business	4,329	4,852	24.4	20.2	Social sciences and social studies	1,230	850	6.9	3.7
Education	863	2,011	4.9	8.8	Total courses ¹	17,770	22,961	100.0	100.0
Engineering and engineering technology	4,030	1,869	22.7	8.1	Job-related reasons	12,807	13,562	70.9	59.0
Health care and health sciences	1,646	3,453	9.3	15.0	To get new job	1,824	2,979	10.3	13.0
Health education	346	858	1.9	3.7	In current occupation	395	588	2.2	2.6
Language, linguistics, and literature	626	1,338	4.7	5.8	In new occupation	1,428	2,389	8.0	10.4
Life sciences, physical sciences, and mathematical sciences	908	722	3.4	3.1	To advance in job	10,004	9,696	56.3	42.2
					Other job-related reasons	780	876	4.4	3.8
					Non-job related reasons	5,116	9,399	28.8	40.6
					General education	1,448	1,910	8.1	8.3
					Personal or social	3,268	6,932	18.6	30.2

¹ Includes courses or reasons not shown separately.

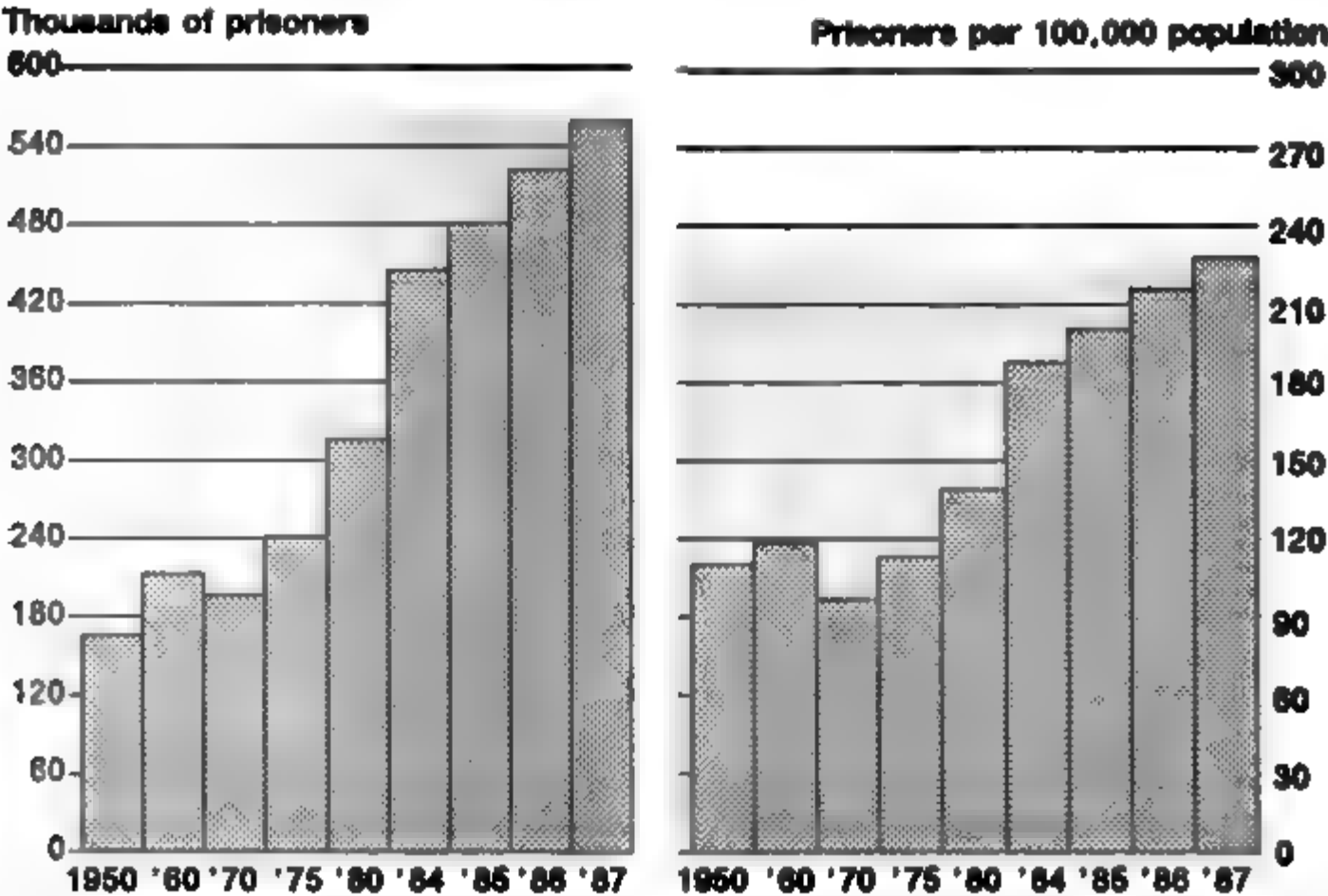
Source of tables 275 and 276: U.S. Dept. of Education, National Center for Education Statistics, "Survey of Adult Education, Current Population Survey, May 1984," unpublished data.

Figure 5.1
Selected Crime Rates: 1977 to 1987

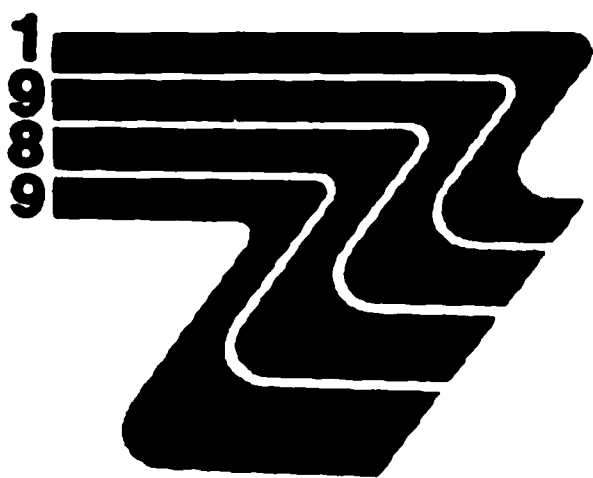


Source: Chart prepared by U.S. Bureau of the Census. For data see table 277.

Figure 5.2
Federal and State Prisoners: 1960 to 1987



Source: Chart prepared by U.S. Bureau of the Census. For data see table 318.



Section 5

Law Enforcement, Courts, and Prisons

This section presents data on crimes committed, victims of crimes, arrests, and data related to criminal violations, and the criminal justice system. The major sources of these data are the Bureau of Justice Statistics (BJS) and the Federal Bureau of Investigation (FBI). BJS issues several reports, including *Sourcebook of Criminal Justice Statistics*, *Criminal Victimization in the United States*, *Prisoners in State and Federal Institutions*, *Children in Custody*, *National Survey of Courts*, *Census of State Correctional Facilities and Survey of Prison Inmates*, *Census of Jails and Survey of Jail Inmates*, *Parole in the United States*, *Capital Punishment*, and the annual *Expenditure and Employment Data for the Criminal Justice System*. The Federal Bureau of Investigation's major annual report is *Crime in the United States*, which presents data on reported crimes as gathered from State and local law enforcement agencies.

Other major sources of these data include: *Annual Report of the Director, Federal Court Management Statistics*, *Federal Offenders*, and *Sentences Imposed Chart* issued by the Administrative Office of the U.S. Courts; *Governmental Finances and Public Employment*, issued annually by the Bureau of the Census; and the *Statistical Report*, issued annually by the Federal Bureau of Prisons.

Legal jurisdiction and law enforcement.—Law enforcement is, for the most part, a function of State and local officers and agencies. The U.S. Constitution reserves general police powers to the States. By act of Congress, Federal offenses include only offenses against the U.S. Government and against or by its employees while engaged in their official duties, and offenses which involve the crossing of State lines or an interference with interstate commerce. Excluding the military, there are 52 separate criminal law jurisdictions in the United States: 1 in each of the 50 States, 1 in the District of Columbia, and the Federal jurisdiction. Each of these has its own criminal law and procedure and its own law enforcement agencies. While the systems of law enforcement are quite similar among the States, there are often substantial differences in the penalties for like offenses.

Law enforcement can be divided into three parts: Investigation of crimes and arrests of persons suspected of committing them; prosecution of those charged with crime; and the punishment or treatment of persons convicted of crime.

Crime.—There are two major approaches taken in determining the extent of crime. One perspective is provided by the FBI through its Uniform Crime Reporting Program (UCR). The FBI receives monthly and annual reports from law enforcement agencies throughout the country, currently representing 97 percent of the national population. Each month, city police, sheriffs, and State police file reports on the number of index offenses that become known to them. The FBI Crime Index offenses are as follows: *Murder and nonnegligent manslaughter*, is based on police investigations, as opposed to the determination of a medical examiner or judicial body, includes willful felonious homicides, and excludes attempts and assaults to kill, suicides, accidental deaths, justifiable homicides, and deaths caused by negligence; *forcible rape* includes forcible rapes and attempts; *robbery* includes stealing or taking anything of value by force or violence or threat of force or violence and includes attempted robbery; *aggravated assault* includes assault with intent to kill; *burglary* includes any unlawful entry to commit a felony or a theft and includes attempted burglary and burglary followed by larceny; *larceny* includes theft of property or articles of value without use of force and violence or fraud and excludes embezzlement, "con games," forgery, etc.; *motor vehicle theft* includes all cases where vehicles are driven away and abandoned, but excludes vehicles taken for temporary use and returned by the taker. Arson was added as the eighth Index offense in April 1979 following a Congressional mandate. *Arson* includes any willful or malicious burning or attempt to burn with or without intent to defraud, a dwelling house, public building, motor vehicle or aircraft, personal property of another, etc.

The monthly Uniform Crime Reports also contain data on crimes cleared by arrest and on characteristics of persons arrested for all criminal offenses. In summarizing and publishing crime data, the FBI does not vouch for the validity of the reports it receives, but presents the data as information useful to persons concerned with the problem of crime and criminal-law enforcement.

National Crime Survey (NCS)—A second perspective on crime is provided by the National Crime Survey (NCS) of the Bureau of Justice Statistics. The NCS includes offenses reported to the police, as well as those not reported (see table below for percent of victimizations reported to the police). Details about the crimes come directly from the victims. No attempt is made to validate the information against police records or any other source. The NCS measures rape, robbery, assault, household and personal larceny, burglary, and motor vehicle theft.

Murder and kidnaping are not covered. Commercial burglary and robbery were dropped from the program during 1977. The so-called victimless crimes, such as drunkenness, drug abuse, and prostitution, also are excluded, as are crimes for which it is difficult to identify knowledgeable respondents or to locate data records.

Crimes of which the victim may not be aware also cannot be measured effectively. Buying stolen property may fall into this category, as may some instances of embezzlement. Attempted crimes of many types probably are under recorded for this reason. Events in which the victim has shown a willingness to participate in illegal activity also are excluded.

In any encounter involving a personal crime, more than one criminal act can be committed against an individual. For example; a rape may be associated with a robbery; or a household offense, such as a burglary, can escalate into something more serious in the event of a personal confrontation. In classifying the survey-measured crimes, each criminal incident has been counted only once—by the most serious act that took place during the incident and ranked in accordance with the seriousness classification system used by the Federal Bureau of Investigation. The order of seriousness for crimes against persons is as follows: Rape, robbery, assault, and larceny. Consequently, if a person were both robbed and assaulted, the event would be classified as robbery; if the victim suffered physical harm, the crime would be categorized as robbery with injury. Personal crimes take precedence over household offenses.

A *victimization*, basic measure of the occurrence of crime, is a specific criminal act as it affects a single victim. The number of victimizations is determined by the number of victims of such acts. Victimization counts serve as key elements in computing rates of victimization. For crimes against persons, the rates are based on the total number of individuals age 12 and over or on a portion of that population sharing a particular characteristic or set of traits. As general indicators of the danger of having been victimized during the reference period, the rates are not sufficiently refined to represent true measures of risk for specific individuals or households. For further details regarding the NCS, see *Criminal Victimization in the United States*, by the U.S. Bureau of Justice Statistics.

An *incident* is a specific criminal act involving one or more victims; therefore the number of incidents of personal crime is lower than that of victimizations.

NCS estimates appearing in 1980 and earlier reports made use of population controls derived from the 1970 census. Thereafter, population estimates based on the 1980 census were used. Victimization rates, key measures of the occurrence of crime, and all percentages generally were unaffected by the change in the estimation procedure. Thus, the vast majority of data appearing after 1980 are compatible with data in previous NCS reports.

POLICE REPORTING RATES FOR PERSONAL AND HOUSEHOLD CRIMES: 1975 TO 1986
[Percent of victimization reported to the police]

SECTOR AND TYPE OF CRIME	1975	1977	1979	1979	1980	1981	1982	1983	1984	1985	1986
Personal sector:											
Crimes of violence	47.2	48.1	44.2	45.1	47.1	48.6	48.2	47.2	48.6	47.9	48.6
Rape	56.2	58.4	48.8	50.5	41.4	55.7	52.8	47.0	56.0	61.0	48.1
Robbery	53.3	55.5	50.5	55.5	56.8	55.8	56.2	52.6	54.8	53.5	58.3
Robbery with injury	65.0	66.1	65.4	62.2	69.6	66.6	67.1	66.3	60.8	63.5	70.9
Robbery without injury	47.9	49.6	43.6	52.0	50.1	50.7	51.2	45.9	51.2	49.3	51.7
Assault	45.2	43.5	42.7	42.4	44.9	43.7	45.9	45.8	44.3	46.4	47.6
Crimes of theft	26.3	24.8	24.6	24.0	26.9	28.7	28.9	26.5	26.3	27.4	28.0
Personal larceny with contact	34.5	37.2	33.7	35.6	35.7	40.4	32.7	35.9	31.5	33.2	38.4
Personal larceny without contact..	28.0	24.5	24.3	23.6	26.5	26.2	28.7	26.1	26.1	27.1	27.6
Household sector:											
Household burglary	46.6	46.8	47.1	47.6	51.3	51.1	49.3	48.7	49.4	49.7	52.3
Household larceny	27.1	25.4	24.5	25.1	27.5	26.2	26.8	25.4	26.8	25.8	27.7
Motor vehicle theft.....	71.1	66.4	66.1	66.2	69.3	68.8	72.4	66.5	68.8	70.8	73.0

Courts.—Court statistics on criminal offenses and the outcome of prosecutions are incomplete for the country as a whole, although data are available for many States individually. The only national compilations of such statistics were made by the Bureau of the Census for 1932 to 1945 covering a maximum of 32 States.

The bulk of civil and criminal litigation in the country is commenced and determined in the various State courts. Only when the U.S. Constitution and acts of Congress specifically confer jurisdiction upon the Federal courts may civil litigation be heard and decided by them. Generally, the Federal courts have jurisdiction over the following types of cases: Suits or proceedings by or against the United States; civil actions between private parties arising under the Constitution, laws, or treaties of the United States; civil actions between private litigants who are citizens of different States; civil cases involving admiralty, maritime, or prize jurisdiction; and all matters in bankruptcy.

There are several types of courts with varying degrees of legal jurisdiction. These jurisdictions include original, appellate, general, and limited or special. A *court of original jurisdiction* is one having the authority initially to try a case and pass judgment on the law and the facts; a *court of appellate jurisdiction* is one with the legal authority to review cases and hear appeals; a *court of general jurisdiction* is a trial court of unlimited original jurisdiction in civil and/or criminal cases, also called a "major trial court"; a *court of limited or special jurisdiction* is a trial court with legal authority over only a particular class of cases, such as probate, juvenile, or traffic cases.

The 94 Federal courts of original jurisdiction are known as the U.S. district courts. One or more of these courts is established in every State and one each in the District of Columbia, Puerto Rico, the Virgin Islands, the Northern Mariana Islands, and Guam. Appeals from the district courts are taken to intermediate appellate courts of which there are 13, known as U.S. courts of appeals and the United States Court of Appeals for the Federal Circuit. The Supreme Court of the United States is the final and highest appellate court in the Federal system of courts.

Juvenile offenders.—For statistical purposes, the FBI and most States classify as juvenile offenders persons under the age of 18 years who have committed a crime or crimes.

Delinquency cases are all cases of youths referred to a juvenile court for violation of a law or ordinance or for seriously "antisocial" conduct. Several types of facilities are available for these adjudicated delinquent, ranging from the short-term physically unrestricted environment to the long-term very restrictive atmosphere.

Prisoners.—Data on prisoners in Federal and State prisons and reformatories were collected annually by the Bureau of the Census until 1950, by the Federal Bureau of Prisons until 1971, transferred then to the Law Enforcement Assistance Administration, and, in 1979, to the Bureau of Justice Statistics. Adults convicted of criminal activity may be given a prison or jail sentence. A *prison* is a confinement facility having custodial authority over adults sentenced to confinement of more than one year. A *jail* is a facility, usually operated by a local law enforcement agency, holding persons detained pending adjudication and/or persons committed after adjudication to one year or less. Nearly every State publishes annual data either for its whole prison system or for each separate State institution.

Naturalizations.—Most aliens acquire U.S. citizenship under the general provisions of the Immigration and Nationality Act of 1952, as amended. As specified by that Act, the requirements a prospective citizen must meet relate to residency, language proficiency, moral character, loyalty to the United States, attachment to the principles of the Constitution, etc. Spouses and children of U.S. citizens can be naturalized under less stringent conditions. In certain cases, an administrative, judicial, legislative, or executive waiver of the requirements may be obtained. Naturalization statistics are also maintained by INS.

Statistical reliability.—For discussion of statistical collection, estimation, and sampling procedures and measures of statistical reliability pertaining to the National Crime Survey and Uniform Crime Reporting Program, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

No. 277. CRIMES AND CRIME RATES, BY TYPE: 1978 TO 1987

[Data refer to offenses known to the police. Rates are based on Bureau of the Census estimated resident population as of July 1, except 1980, enumerated as of April 1. Annual totals for years prior to 1984 were adjusted in 1984 and may not be consistent with those in prior editions. See source for details. Minus sign (-) indicates decrease. For definitions of crimes, see text, section 5. See *Historical Statistics, Colonial Times to 1970*, series H 952-951 for related data]

ITEM AND YEAR	Total	VIOLENT CRIME					PROPERTY CRIME			
		Total	Mur- der ¹	Forci- ble rape	Rob- bery	Aggra- vated assault	Total	Bur- glary	Larce- ny— theft	Motor vehic- le theft
Number of offenses (1,000):										
1978	11,209	1,086	19.6	67.6	427	571	10,123	3,128	5,991	1,004
1979	12,250	1,209	21.5	76.4	481	636	11,042	3,328	6,601	1,113
1980	13,408	1,345	23.0	83.0	566	673	12,064	3,795	7,137	1,132
1981	13,424	1,369	22.5	82.5	583	684	12,062	3,790	7,184	1,088
1982	12,974	1,322	21.0	78.8	553	636	11,652	3,447	7,143	1,062
1983	12,106	1,269	19.8	78.9	507	553	10,851	3,130	6,713	1,086
1984	11,062	1,273	18.7	84.2	485	685	10,809	2,984	6,592	1,032
1985	12,431	1,369	19.0	88.7	485	723	11,103	3,073	6,926	1,103
1986	13,212	1,489	20.8	91.5	543	684	11,723	3,941	7,257	1,224
1987	13,509	1,484	20.1	91.1	518	655	12,025	3,236	7,800	1,389
Percent change, number of offenses:										
1978-1987	20.5	38.7	2.6	34.8	21.3	49.6	19.8	3.4	25.2	28.3
1983-1987	11.6	18.0	4.1	15.4	2.2	30.9	10.6	3.4	11.7	27.9
1986-1987	2.2	-3	-2.5	-4	-4.6	2.5	2.6	-2	3.3	5.3
Rate per 100,000 inhabitants:										
1978	5,140	436	9.0	31.0	196	262	4,643	1,436	2,747	461
1979	5,566	543	8.7	34.7	216	286	5,017	1,512	2,999	506
1980	5,950	597	10.2	36.8	251	209	5,353	1,684	3,167	502
1981	5,258	594	9.8	36.8	289	290	5,284	1,360	3,140	475
1982	5,604	571	9.1	34.0	239	269	5,033	1,489	3,065	459
1983	5,175	536	6.3	33.7	217	279	4,637	1,369	2,636	431
1984	5,031	536	7.9	35.7	205	290	4,492	1,284	2,791	437
1985	5,207	557	7.9	37.1	209	303	4,651	1,267	2,901	462
1986	5,480	616	6.6	37.9	225	343	4,802	1,345	3,010	583
1987	5,550	610	6.3	37.4	213	351	4,940	1,360	3,081	529
Percent change, rate per 100,000 inhabitants:										
1978-1987	8.1	22.5	-7.8	20.6	6.6	34.0	8.4	-7.3	12.2	15.0
1983-1987	7.3	13.4	-	11.0	-1.8	25.8	6.5	-8	7.4	22.9
1986-1987	1.4	-1.3	-3.5	-1.3	-5.5	1.5	1.6	-1.1	2.4	4.3

- Represents zero. ¹ Includes nonnegligent manslaughter.
Source: U.S. Federal Bureau of Investigation, *Crime in the United States*, annual.

No. 278. CRIMES AND CRIME RATES, BY TYPE AND AREA: 1986 AND 1987

[In thousands, except rate. Rate per 100,000 population; see headnote, table 277. Estimated totals based on reports from city and rural law enforcement agencies representing 96 percent of the national population. For definitions of crimes, see text, section 5]

TYPE OF CRIME	1986						1987					
	MSA's ¹		Other cities		Rural areas		MSA's ¹		Other cities		Rural areas	
	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate
Total.....	11,482	6,332	1,067	4,793	631	1,884	11,749	6,294	1,115	4,888	646	1,989
Violent crime.....	1,348	732	60	368	66	176	1,344	729	59	361	60	179
Murder and nonnegligent manslaughter.....	18	10	1	5	2	5	17	9	1	5	2	6
Forcible rape.....	79	43	5	22	6	18	79	42	6	24	6	19
Robbery.....	527	286	11	49	5	15	501	286	11	50	5	15
Aggravated assault.....	725	364	63	274	47	137	746	400	82	272	47	139
Property crime.....	10,134	5,604	1,917	4,443	572	1,678	10,404	5,574	1,036	4,548	986	1,729
Burglary.....	2,781	1,510	239	1,046	221	648	2,771	1,495	237	1,042	228	670
Larceny—theft.....	6,213	3,374	731	3,191	314	921	6,426	3,444	751	3,303	321	943
Motor vehicle theft.....	1,140	619	47	206	37	109	1,205	648	46	203	37	110

¹ For definition, see text, Appendix II.
Source: U.S. Federal Bureau of Investigation, *Crime in the United States*, annual.

NO. 278. CRIME RATES BY STATE, 1985 TO 1987, AND BY TYPE, 1987

[Offenses known to the police per 100,000 population. Based on Bureau of the Census estimated resident population as of July 1, except April 1, 1986 census counts. For definitions of crimes, see text, section 5. For composition of regions, see fig. 1, inside front cover.]

REGION, DIVISION, AND STATE	1985, total	1986, total	1987									
			Total	Violent crime					Property crime			
				Total	Murder ¹	Forcible rape	Robbery	Aggravated assault	Total	Burglary	Larceny— theft	Motor vehicle theft
U.S.	5,307	5,480	5,580	808	8.3	37.4	213	351	4,949	1,336	3,081	529
Regions:												
Northeast	4,827	4,732	4,839	636	6.9	29.3	284	316	4,204	1,031	2,544	629
Midwest	4,874	4,834	4,908	504	6.7	37.1	173	287	4,403	1,088	2,889	428
South	5,256	5,709	5,863	807	10.0	39.3	192	368	5,266	1,585	3,236	483
West	5,405	6,544	6,480	715	8.5	42.8	223	440	5,748	1,524	3,980	632
NE	4,487	4,503	4,589	421	3.4	27.2	139	252	4,177	1,074	2,447	669
ME	3,872	3,461	3,532	163	2.5	15.7	26	106	3,360	771	2,438	173
NH	3,252	3,330	3,372	149	3.0	26.6	26	83	3,222	696	2,311	216
VT	3,868	3,977	4,271	137	2.7	22.4	17	95	4,135	1,110	2,826	199
MA	4,758	4,723	4,734	586	3.0	31.9	177	353	4,189	1,080	2,185	924
RI	4,723	4,902	5,285	390	3.5	24.4	108	224	4,925	1,441	2,701	783
CT	4,705	4,825	4,986	419	4.9	24.9	178	211	4,570	1,218	2,829	529
NEA	4,876	4,910	4,821	708	8.0	35.0	333	337	4,212	1,818	2,577	819
NY	5,589	5,768	5,952	1,007	11.3	31.1	503	482	4,944	1,218	3,025	708
NJ	5,094	5,241	5,261	541	4.6	33.4	233	270	4,720	1,089	2,885	845
PA	3,037	3,102	3,163	366	5.4	26.2	144	183	2,704	722	1,723	349
ENC	4,939	5,061	5,114	572	7.8	41.8	206	316	4,842	1,124	2,930	498
OH	4,187	4,359	4,576	421	5.8	39.9	153	222	4,155	1,083	2,709	363
IN	3,914	3,855	4,120	329	5.6	29.1	89	205	3,792	947	2,480	355
IL	5,364	5,565	5,417	795	8.3	38.4	314	435	4,621	1,124	2,957	540
MI	6,399	6,491	6,467	780	12.2	67.2	277	424	5,677	1,452	3,473	752
WI	4,017	4,097	4,189	250	3.5	19.8	66	180	3,920	843	2,830	247
WNC	4,049	4,296	4,417	344	4.4	38.1	95	219	4,078	1,002	2,782	279
MN	4,134	4,362	4,816	286	2.6	33.9	103	146	4,330	1,089	2,980	301
IA	3,943	4,151	4,140	231	2.1	11.9	36	181	3,909	918	2,840	151
MO	4,366	4,654	4,707	544	8.3	26.9	184	343	4,162	1,111	2,825	426
ND	2,679	2,605	2,833	57	1.5	9.4	8	36	2,776	455	2,186	123
SD	2,841	2,718	2,678	120	1.8	20.6	12	85	2,568	534	1,928	95
NE	3,695	3,856	4,132	252	3.5	21.6	47	179	3,880	848	2,885	186
KS	4,375	4,823	4,904	361	4.4	32.6	62	242	4,543	1,139	3,152	253
SA	5,376	5,784	5,915	873	10.0	38.6	217	406	5,243	1,514	3,278	463
DE	4,951	4,832	4,939	432	5.1	68.5	123	235	4,508	1,020	3,178	312
MD	5,373	5,802	5,478	786	9.6	39.6	290	428	4,709	1,182	2,985	582
DC ²	8,007	8,339	8,452	1,009	36.2	39.4	717	817	6,841	1,806	4,021	1,012
VA	3,779	3,860	3,959	295	7.4	26.0	108	158	3,654	807	2,803	254
WV	2,253	2,317	2,191	139	4.8	22.6	31	79	2,054	604	1,289	162
NC	4,121	4,332	4,650	484	6.1	29.1	94	353	4,188	1,356	2,586	224
SC	4,841	5,137	5,162	685	6.3	43.7	101	511	4,497	1,358	2,858	281
GA	5,110	5,455	5,792	578	11.8	43.1	209	312	5,215	1,552	3,171	482
FL	7,574	8,226	8,503	1,024	11.4	50.2	357	606	7,479	2,257	4,545	677
SEC	3,851	3,910	4,068	448	9.9	31.5	123	394	3,511	1,162	2,134	325
KY	2,947	3,092	3,270	338	7.5	21.0	80	219	2,932	647	1,882	193
TN	4,167	4,534	4,896	534	9.1	43.9	194	287	4,132	1,352	2,213	567
AL	3,942	4,288	4,451	589	9.3	27.8	112	410	3,992	1,198	2,431	263
MS	3,266	3,345	3,439	289	10.2	29.2	57	173	3,168	1,201	1,807	160
WSC	5,981	6,706	6,981	998	10.7	43.3	191	351	6,308	1,878	3,813	919
AR	3,585	3,925	4,245	413	7.8	32.6	79	293	3,834	1,078	2,549	207
LA	5,554	6,078	5,873	693	11.1	35.9	179	467	5,181	1,445	3,323	413
OK	5,425	6,014	6,026	419	7.5	35.8	110	285	5,608	1,783	3,220	605
TX	6,599	7,409	7,722	632	11.7	48.1	227	345	7,091	2,116	4,238	735
MR	5,185	5,323	5,181	484	5.2	36.8	189	312	5,888	1,402	3,835	389
MT	4,549	4,479	4,589	151	4.1	19.8	24	103	4,448	806	3,404	238
ID	3,909	4,207	4,166	214	3.1	17.5	24	189	3,942	977	2,799	167
WY	4,015	4,367	4,031	263	2.0	31.4	20	230	3,749	716	2,882	139
CO	6,919	7,032	6,451	488	5.8	40.8	119	302	5,964	1,535	4,013	438
NM	6,489	6,626	6,547	628	10.1	43.1	108	467	5,919	1,788	3,785	349
AZ	7,116	7,321	7,199	612	7.5	41.2	138	425	6,576	1,826	4,527	423
UT	5,317	5,478	5,819	230	3.3	21.7	63	152	5,398	951	4,228	209
NV	5,575	6,290	6,371	695	6.4	81.8	272	263	5,675	1,629	3,491	555
Pac	6,486	6,781	6,899	894	9.4	45.1	284	488	6,783	1,897	3,499	789
WA	6,529	6,860	7,017	439	5.8	52.2	141	240	6,578	1,905	4,278	365
OR	6,730	7,081	6,999	540	5.8	45.8	186	292	6,430	1,783	4,182	465
CA	8,518	8,783	8,506	916	10.6	43.6	301	582	5,588	1,516	3,340	630
AK	5,877	5,246	5,378	455	10.1	69.0	73	307	4,822	870	3,486	488
HI	5,201	5,571	5,618	283	4.8	38.3	98	124	5,555	1,156	4,033	366

¹ Includes nonnegligent manslaughter.

² Includes offenses reported by the police at the National Zoo.

Source: U.S. Federal Bureau of Investigation, *Crime in the United States*, annual.

No. 280. CRIME RATES, BY TYPE—SELECTED CITIES: 1987

[Offenses known to the police per 100,000 population, as of July 1. For definitions of crimes, see text, section 5]

CITY	Crime index, total	VIOLENT CRIME					PROPERTY CRIME			
		Total	Murder	Forcible rape	Robbery	Aggravated assault	Total	Burglary	Larceny— theft	Motor vehicle theft
Total, 11,435 agencies	6,204	886	8.8	48	294	373	6,236	1,488	3,253	894
Total, 7,721 cities	7,888	886	19.2	48	315	448	6,279	1,682	3,988	789
Selected cities:										
Baltimore, MD	5,570	1,066	29.5	76	978	785	6,701	1,762	3,564	878
Chicago, IL	(1)	(1)	22.9	(1)	690	1,139	6,950	1,990	3,945	1,315
Dallas, TX	16,283	1,888	22.0	125	800	832	14,294	3,885	8,442	1,968
Detroit, MI	12,681	2,545	62.6	130	1,383	889	10,136	3,381	4,023	2,732
Houston, TX	9,292	1,080	18.8	87	557	447	8,302	2,553	4,082	1,647
Indianapolis, IN	6,342	948	11.9	90	279	586	5,393	1,827	2,786	780
Los Angeles, CA	8,834	1,910	24.3	85	784	1,307	6,723	1,584	3,431	1,709
Memphis, TN	9,674	1,359	21.7	126	712	479	6,336	2,797	3,482	2,057
New York, NY	9,013	2,036	23.0	46	1,089	882	5,977	1,884	3,886	1,313
Philadelphia, PA	5,734	1,055	20.5	87	594	404	4,679	1,217	2,583	929
Phoenix, AZ	5,997	877	11.9	64	345	588	5,121	2,270	5,218	832
San Antonio, TX	12,926	682	18.9	92	354	197	12,264	3,591	7,194	1,480
San Diego, CA	8,476	875	9.2	39	332	495	7,801	1,889	4,186	1,744
San Francisco, CA	7,532	1,211	13.4	68	608	532	6,321	1,255	4,059	1,006
Washington, DC	6,444	1,610	35.2	39	717	817	6,893	1,807	4,014	1,012

¹ The rates for 1987 for forcible rape, violent crime and crime index total are not shown because the forcible rape figures were not in accordance with national Uniform Crime Reporting guidelines.

No. 281. MURDER CIRCUMSTANCES/MOTIVES AND WEAPONS USED OR CAUSE OF DEATH: 1980 TO 1987

[Based solely on police investigation. For definition of murder, see text, section 5]

CIRCUMSTANCE	1980	1984	1988	1990	1997	TYPE OF WEAPON OR CAUSE OF DEATH	1980	1984	1988	1990	1997
Murders, total	21,880	17,388	17,548	19,257	17,888	Murders, total	21,880	17,388	17,548	19,257	17,888
PERCENT DISTRIBUTION						PERCENT DISTRIBUTION					
Felonies, total	17.7	18.1	17.9	18.4	18.8	Guns	62.4	65.0	65.7	66.1	66.2
Robbery	10.8	9.9	9.2	9.5	9.4	Handguns	48.0	43.8	43.0	43.0	43.7
Narcotics	1.7	2.7	2.8	3.8	4.9	Cutting or stabbing	18.3	21.2	21.1	20.5	20.3
Sex offenses	1.5	1.8	1.8	1.8	.9	Blunt objects ¹	5.0	5.8	5.6	5.7	5.6
Other felonies	3.7	4.5	4.3	4.4	5.0	Personal weapons ²	5.8	6.8	6.7	6.6	6.5
Suspected felonies	8.7	2.4	2.0	2.0	1.1	Strenuousness, asphyxiation	2.3	2.5	2.4	2.6	2.6
Argument, total	38.8	38.8	38.3	37.5	36.7	Fire	1.3	1.1	1.4	1.2	1.1
Property or money	2.6	2.7	2.7	2.4	2.8	All other ³	3.8	2.8	4.2	4.1	4.5
Romantic triangle	2.3	2.4	2.3	2.1	2.0						
Other arguments	35.0	34.8	34.3	32.9	32.9						
Other motives	20.8	17.4	18.1	18.6	17.7						
Unknown	15.1	22.3	22.5	22.5	24.8						

¹ Refers to club, hammer, etc. ² Hands, fists, feet, etc. ³ Includes poison, drowning, explosives, narcotics, and unknown.

Source of tables 280 and 281. U.S. Federal Bureau of Investigation, *Crime in the United States*, annual.

No. 282. HOMICIDE VICTIMS, BY RACE AND SEX: 1980 TO 1986

[Rates per 100,000 resident population in specified group. Beginning 1970, excludes deaths to nonresidents of U.S. Beginning 1980, deaths classified according to the ninth revision of the *International Classification of Diseases*; for earlier years, classified according to revision in use at the time; see text, section 2. See also *Historical Statistics, Colonial Times to 1970*, series H 971-976]

YEAR	HOMICIDE VICTIMS					HOMICIDE RATE ²				
	Total ¹	White		Black		Total ¹	White		Black	
		Male	Female	Male	Female		Male	Female	Male	Female
1980	8,464	2,832	1,154	3,345	1,013	4.7	3.6	1.4	36.7	10.4
1970	16,848	5,885	1,936	7,265	1,509	8.3	6.8	2.1	67.8	13.3
1975	21,310	6,222	2,751	8,092	1,928	9.9	9.0	2.9	69.0	14.9
1980	24,278	10,381	3,177	8,386	1,898	10.7	10.9	3.2	66.8	13.5
1981	23,646	9,941	3,125	8,312	1,825	10.3	10.4	3.1	64.8	12.7
1982	22,358	9,280	3,179	7,730	1,743	9.6	9.6	3.1	59.1	12.0
1983	20,191	8,385	2,880	6,822	1,672	8.6	8.6	2.8	51.4	11.3
1984	19,796	8,171	2,966	6,593	1,677	8.4	8.3	2.8	48.7	11.2
1985	19,893	8,122	3,041	6,618	1,686	8.3	8.2	2.8	48.4	11.0
1986	21,731	8,567	3,123	7,694	1,851	9.0	8.6	3.0	65.0	12.1

¹ Includes races not shown separately. ² Rate based on enumerated population figures as of April 1 for 1980, 1970, and 1960; July 1 estimates for other years.

Source. U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual.

No. 283. FORCIBLE RAPE—NUMBER AND RATE, BY SELECTED CHARACTERISTIC: 1970 TO 1987

(For definition of rape, see text, section 5)

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
NUMBER													
Total	57,999	66,699	63,509	67,919	76,399	63,599	63,599	78,779	76,399	84,239	67,679	81,499	81,119
By force	28,999	41,801	47,024	50,890	57,908	63,599	63,038	59,967	61,019	68,367	70,136	73,453	73,458
Attempt	11,102	14,899	16,476	17,020	16,432	19,291	19,482	18,803	17,901	17,863	17,534	18,007	17,654
RATE													
Per 100,000 population	18.7	26.3	29.4	31.0	34.7	35.8	35.0	34.0	33.7	35.7	36.7	37.9	37.4
Per 100,000 females	30.4	51.3	57.1	60.3	67.5	71.8	70.0	66.2	65.8	69.4	71.3	73.9	73.0
Per 100,000 females 12 years old and over	46.3	62.9	69.3	72.9	81.4	86.3	85.7	79.3	78.5	83.0	85.3	88.6	87.5
PERCENT CHANGE IN RATE													
Per 100,000 population	(NA)	40.8	10.4	5.8	11.9	3.1	-2.2	-5.5	-9	5.7	2.5	3.7	-1.8
Per 100,000 females 12 years old and over	(NA)	35.9	9.8	5.2	11.8	6.0	-2.5	-5.7	-1.0	5.7	-4	3.9	-1.2

NA Not available.

Source: U.S. Federal Bureau of Investigation, *Population-at-Risk Rates and Selected Crime Indicators*, annual.

No. 284. ROBBERY AND PROPERTY CRIMES, BY TYPE AND SELECTED CHARACTERISTIC: 1980 TO 1987

(For definition of crime, see text, section 5)

ITEM	NUMBER OF OFFENSES (1,000)					RATE PER 100,000 INHABITANTS					AVERAGE VALUE LOST (dol.)	
	1980	1984	1985	1986	1987	1980	1984	1985	1986	1987	1985	1987
Robbery, total ¹	486	486	486	486	518	281.1	305.4	298.5	235.1	212.7	NA	891
Type of crime:												
Street or highway	283	284	273	302	282	130.1	111.8	114.4	125.2	115.8	466	482
Commercial house	75	56	60	67	68	34.6	23.6	25.3	27.6	26.0	912	1,017
Gas station	23	16	17	17	16	10.4	6.8	7.0	6.9	6.4	303	321
Convenience store	36	26	29	29	29	17.0	11.2	12.0	11.8	12.0	337	292
Residence	60	53	51	57	54	26.8	22.8	21.5	23.5	22.2	NA	796
Bank	5	7	7	7	7	3.8	2.9	2.8	2.8	3.0	2,864	3,019
Weapon used:												
Firearm	226	173	176	186	171	101.3	73.4	73.8	77.2	70.3	(NA)	(NA)
Knife or cutting instrument	73	65	66	73	70	32.3	27.5	27.7	30.4	28.7	(NA)	(NA)
Other dangerous weapon	51	46	46	53	51	22.8	19.3	19.2	21.8	21.1	(NA)	(NA)
Strangarm	214	201	210	231	225	94.6	85.2	88.0	95.6	92.6	(NA)	(NA)
Burglary, total	3,785	2,964	3,073	3,241	3,236	1,684.1	1,282.7	1,387.3	1,344.5	1,229.6	896	975
Forcible entry	2,789	2,092	2,146	2,274	2,272	1,237.5	885.9	899.6	843.4	833.3	(NA)	(NA)
Unlawful entry	711	637	668	700	666	315.6	299.7	280.0	290.3	285.8	(NA)	(NA)
Attempted forcible entry	285	255	257	267	298	131.0	108.1	107.8	110.8	110.5	(NA)	(NA)
Residence	2,525	1,989	2,046	2,166	2,181	1,120.6	842.4	857.0	806.4	800.1	991	1,004
Nonresidence	1,270	985	1,027	1,058	1,045	583.5	421.3	430.3	438.2	429.5	NA	914
Occurred during the night	1,506	1,177	1,177	1,242	1,202	689.0	498.4	493.1	515.3	494.0	(NA)	(NA)
Occurred during the day	1,263	985	1,025	1,110	1,128	580.9	408.6	429.2	400.6	463.5	(NA)	(NA)
Larceny-theft, total	7,137	6,862	6,928	7,257	7,500	3,167.8	2,791.3	2,801.2	3,010.3	3,091.3	460	464
Pocket picking	85	76	79	84	81	37.9	32.1	32.9	34.8	33.3	248	256
Purse snatching	107	81	83	85	90	47.5	34.4	35.0	39.6	37.0	206	239
Shoplifting	773	685	688	1,072	1,145	343.0	374.7	405.3	444.8	470.5	NA	NA
From motor vehicles	1,231	1,237	1,369	1,500	1,561	548.4	523.7	573.3	622.0	649.5	426	434
Motor vehicle accessories	1,386	1,186	1,158	1,207	1,285	608.2	502.0	485.2	500.5	519.6	282	288
Bicycles	716	541	566	521	481	317.6	229.1	237.3	216.2	197.8	167	172
From buildings	1,187	1,049	1,078	1,100	1,096	526.9	444.2	451.6	456.5	450.4	646	665
From coin-operated machines	58	57	60	65	67	25.8	24.0	24.9	27.0	27.4	129	128
Other	1,813	1,481	1,555	1,812	1,893	715.7	627.0	655.7	686.8	695.7	606	591
Motor vehicles, total ²	1,132	1,032	1,103	1,234	1,289	582.8	437.1	NA	507.8	528.4	4,899	4,944
Automobiles	845	783	832	946	995	374.8	331.5	348.5	392.6	406.8	(NA)	(NA)
Trucks and buses	149	146	156	186	186	69.1	61.8	65.4	69.0	77.3	(NA)	(NA)

NA Not available. ¹ Includes other crimes not shown separately. ² Includes other types of motor vehicles not shown separately.

Source: U.S. Federal Bureau of Investigation, *Population-at-Risk Rates and Selected Crime Indicators*, annual.

NO. 285. NUMBER AND RATE OF VICTIMIZATIONS FOR CRIMES AGAINST PERSONS AND HOUSEHOLDS, BY TYPE: 1973 TO 1986

[Data based on National Crime Survey; see text, section 5, and Appendix III]

YEAR OR PERIOD	PERSONAL SECTOR								HOUSEHOLD SECTOR			
	Total	Violent crimes						Larceny/ theft	Total	Burglary	Larceny	Motor vehicle theft
		Total	Rape	Robbery	Assault							
					Total	Aggravated	Simple					
NUMBER (1,000)												
1973	20,322	5,361	186	1,106	4,067	1,866	2,432	14,871	15,340	6,459	7,537	1,344
1975	21,867	5,573	154	1,147	4,272	1,881	2,641	16,284	17,400	6,744	9,223	1,436
1976	22,118	5,588	145	1,111	4,344	1,885	2,648	16,519	17,199	6,863	9,301	1,235
1977	22,835	5,902	154	1,083	4,664	1,738	2,926	16,833	17,480	6,765	9,418	1,297
1978	22,991	5,941	171	1,038	4,732	1,708	3,024	17,050	17,421	6,704	9,352	1,365
1979	22,541	6,159	192	1,116	4,851	1,789	3,082	16,882	18,706	6,885	10,630	1,393
1980	21,430	6,130	174	1,209	4,747	1,707	3,041	15,300	16,821	6,973	10,468	1,381
1981	22,445	6,582	176	1,361	5,024	1,796	3,228	15,863	19,009	7,394	10,176	1,439
1982	22,012	6,459	153	1,334	4,973	1,754	3,219	15,553	17,744	6,863	9,705	1,377
1983	20,561	5,903	154	1,149	4,600	1,517	3,083	14,857	16,440	6,063	9,114	1,284
1984	19,743	5,954	180	1,117	4,657	1,673	2,984	13,759	15,733	5,843	8,750	1,340
1985	19,296	5,823	138	965	4,699	1,605	3,094	13,474	15,566	5,584	8,703	1,279
1986	18,751	5,515	120	1,009	4,376	1,543	2,833	13,235	15,398	5,557	8,456	1,308
RATE ¹												
1973	123.6	32.6	1.0	6.7	24.9	10.1	14.8	81.1	217.8	91.7	107.0	16.1
1975	128.9	32.8	.9	6.6	25.2	8.6	15.6	86.0	236.5	91.7	125.4	16.6
1976	128.7	32.6	.8	6.5	25.3	8.9	15.4	86.1	229.4	88.9	124.1	16.5
1977	131.2	33.9	.9	6.2	26.8	10.0	16.8	87.3	228.8	88.5	123.3	17.0
1978	130.5	33.7	1.0	5.9	26.9	9.7	17.2	86.8	223.4	86.0	119.9	17.5
1979	126.4	34.5	1.1	6.3	27.2	9.9	17.3	91.9	235.3	84.1	133.7	17.5
1980	116.3	33.3	.9	6.6	25.6	8.3	16.5	83.0	227.4	84.3	126.5	16.7
1981	120.4	35.3	1.0	7.4	27.0	9.6	17.3	85.1	226.0	87.9	121.0	17.1
1982	116.6	34.3	.8	7.1	26.4	9.3	17.1	82.5	208.2	78.2	113.9	16.2
1983	107.9	31.0	.8	6.0	24.1	8.0	16.2	76.9	189.8	70.0	105.2	14.6
1984	102.6	31.0	.9	5.6	24.3	8.7	15.5	71.6	178.7	64.1	99.4	15.2
1985	98.4	30.0	.7	5.1	24.2	8.3	15.9	69.4	174.4	62.7	97.5	14.2
1986	95.6	28.1	.7	5.1	22.3	7.9	14.4	67.5	170.0	61.5	93.5	15.0

¹ Rate per 1,000 persons, 12 years old and over; and per 1,000 households.

Source: U.S. Bureau of Justice Statistics, *Criminal Victimization in the United States*, annual.

NO. 286. CRIMES AGAINST THE ELDERLY—NUMBER AND RATE OF VICTIMIZATIONS, BY TYPE: 1973 TO 1986

[Covers persons 65 years old and over. Data based on National Crime Survey; see text, section 5, and Appendix III]

YEAR	PERSONAL SECTOR								HOUSEHOLD SECTOR			
	Total	Violent crimes				Crimes of theft			Total	Burglary	Larceny	Motor vehicle theft
		Total	Rape ¹	Robbery	Assault	Total ²	Purse snatching	Pocket picking				
NUMBER (1,000)												
1973	625.8	173.0	2.4	101.3	69.3	452.8	29.8	37.1	1,487.2	748.8	644.8	73.6
1975	693.2	166.8	1.2	92.3	73.3	526.4	36.8	31.3	1,707.5	774.1	644.8	86.6
1976	737.5	166.9	1.0	75.1	90.8	570.6	26.3	45.1	1,713.3	742.4	680.5	90.4
1977	698.7	168.3	2.7	75.6	89.6	530.4	24.1	30.4	1,683.4	754.2	671.0	58.2
1978	709.3	180.6	2.4	69.5	108.6	526.7	26.4	37.2	1,618.8	703.9	633.9	61.0
1979	648.1	138.9	.8	58.0	78.9	509.2	38.5	44.6	1,716.2	718.7	617.6	78.9
1980	768.6	165.9	2.6	82.5	80.7	602.7	33.4	56.2	1,826.5	802.1	680.1	64.3
1981	752.6	195.1	2.7	99.3	93.1	557.5	21.1	51.6	2,109.6	921.1	1,077.2	111.3
1982	738.7	148.3	1.5	68.0	78.8	592.4	34.0	45.6	1,744.3	708.4	646.4	68.5
1983	741.6	144.3	1.4	63.9	78.9	597.3	32.8	53.8	1,695.1	754.2	680.2	60.7
1984	680.1	126.7	1.4	57.5	68.8	531.4	21.9	42.9	1,622.1	688.5	651.6	101.0
1985	627.6	122.7	1.5	42.8	78.4	504.9	14.1	57.8	1,455.7	609.5	758.4	87.8
1986	639.2	124.6	-	48.1	76.7	514.4	19.4	49.4	1,477.4	626.4	767.9	81.1
RATE ³												
1973	30.7	8.5	1	5.0	3.4	22.2	1.5	1.8	107.9	55.1	47.4	5.4
1975	32.3	7.6	.1	4.3	3.4	24.5	1.6	1.5	118.7	53.8	56.7	6.2
1976	33.6	7.6	1	3.4	4.1	26.0	1.2	2.1	115.8	50.2	55.1	6.1
1977	31.1	7.5	1	3.4	4.0	23.6	1.1	1.4	110.9	49.7	57.4	3.8
1978	30.9	7.9	1	3.0	4.7	23.0	1.3	1.6	104.0	45.2	53.6	5.2
1979	27.5	5.9	(2)	2.6	3.4	21.6	1.6	1.9	107.5	45.0	57.5	5.0
1980	31.4	6.8	1	3.4	3.3	24.6	1.4	2.3	109.8	48.2	57.7	3.9
1981	30.1	7.8	1	4.0	3.7	22.3	.8	2.1	124.2	54.2	63.4	6.8
1982	28.9	5.7	1	2.7	3.0	23.2	1.3	1.8	100.6	40.9	54.5	5.1
1983	28.4	5.6	1	2.6	3.0	22.8	1.3	2.1	94.8	42.2	55.1	4.6
1984	24.9	4.9	1	2.2	2.6	20.0	.8	1.6	86.4	36.5	46.4	5.5
1985	23.1	4.5	1	1.6	2.9	16.6	.6	2.1	78.1	32.7	40.7	4.7
1986	23.0	4.5	-	1.7	2.8	16.5	7	1.8	78.2	33.9	40.8	4.3

- Represents zero or rounds to zero.

² Less than .05.

³ Yearly estimates are based on fewer than 10 sample cases.

¹ Includes personal thefts without contact not shown separately.

² Rate per 1,000 persons 65 years old and over; and per 1,000 households headed by persons 65 years old and over.

Source: U.S. Bureau of Justice Statistics, *Crime and the Elderly*, December 1981 and unpublished data.

No. 287. VICTIMIZATION RATES FOR CRIMES AGAINST PERSONS: 1973 TO 1986

[Rates per 1,000 persons, 12 years old and over. Includes attempted crimes. Data based on National Crime Survey; see text, section 5, and Appendix III. Totals exclude personal larceny]

YEAR AND CRIME	Total ¹	White	Black	Hispanic ²	MALE			FEMALE			VICTIM-OFFENDER RELATIONSHIP	
					White	Black	Hispanic ²	White	Black	Hispanic ²	Stranger	Non-stranger
1973.....	33	32	42	38	43	53	53	21	32	22	22	11
1975.....	33	32	43	40	42	53	50	21	34	30	21	11
1976.....	33	31	44	35	42	55	55	21	38	23	21	12
1977.....	34	33	42	40	45	57	50	22	29	32	21	13
1978.....	34	33	41	37	45	54	54	22	30	23	21	12
1979.....	35	34	42	41	44	53	55	24	32	29	22	12
1980.....	33	32	41	40	43	53	54	22	31	27	21	12
1981.....	35	33	50	39	44	61	53	23	40	26	23	12
1982.....	34	33	44	40	42	57	49	25	33	32	22	12
1983.....	31	30	41	38	39	50	46	21	33	29	16	13
1984.....	31	30	41	35	38	51	45	22	33	26	17	14
1985.....	30	29	38	30	38	47	33	21	31	27	18	12
1986.....	28	28	33	27	35	39	39	21	29	15	16	12

¹ Includes races not shown separately. ² Hispanic persons may be of any race.

No. 288. VICTIMIZATION RATES FOR CRIMES AGAINST HOUSEHOLDS: 1973 TO 1986

[Rates per 1,000 households. Includes attempted offenses. Data based on National Crime Survey; see text, section 5, and Appendix III]

YEAR AND HOUSEHOLD CHARACTERISTIC	Total	BURGLARY			LARCENY			MOTOR VEHICLE THEFT		
		Total ¹	White	Black	Total ¹	White	Black	Total ¹	White	Black
1973.....	218	92	87	133	107	108	104	19	16	24
1975.....	237	92	87	129	125	127	115	19	19	27
1976.....	229	89	84	131	124	126	112	17	16	21
1977.....	229	89	84	122	123	124	116	17	16	21
1978.....	223	88	83	115	120	120	121	18	17	21
1979.....	235	84	80	114	134	133	133	18	17	22
1980.....	227	84	81	115	127	125	134	17	16	25
1981.....	226	88	83	134	121	119	142	17	16	24
1982.....	208	78	73	117	114	111	132	16	15	25
1983.....	180	70	67	98	105	103	119	15	13	25
1984.....	179	64	61	92	99	97	115	15	14	26
1985.....	174	63	60	83	97	95	120	14	13	22
1986: All households.....	170	61	58	92	94	92	102	15	14	24
Homeowner.....	138	48	45	78	78	77	93	13	12	23
Renter.....	226	88	82	103	121	124	109	19	18	24
Households with income of—										
Under \$7,500.....	201	91	87	102	99	109	70	11	11	10
\$7,500–\$9,999.....	179	58	52	81	111	110	118	12	11	14
\$10,000–\$14,999.....	170	85	59	107	90	88	116	15	13	30
\$15,000–\$24,999.....	166	55	52	73	97	93	127	14	12	31
\$25,000–\$29,999.....	188	55	50	133	97	95	126	16	14	41
\$30,000–\$49,999.....	166	54	52	83	93	91	140	19	17	45
\$50,000 and over.....	164	61	59	135	84	83	127	18	17	41

¹ Includes other races not shown separately.

Source of tables 287 and 288: Through 1975, U.S. Law Enforcement Assistance Administration; thereafter, U.S. Bureau of Justice Statistics, *Criminal Victimization in the United States*, annual.

No. 289. HOUSEHOLDS TOUCHED BY CRIME, 1981 AND 1987, AND BY CHARACTERISTIC, 1987

[A household is considered "touched by crime" if during the year it experienced a burglary, auto theft or household theft or if a household member was raped, robbed, or assaulted, or a victim of personal theft, no matter where the crime occurred. Data based on the National Crime Survey; see text, section 5, and Appendix III]

TYPE OF CRIME	1981		1987						
	Num-ber (1,000)	Percent touched	Num-ber (1,000)	Percent touched					
				Total ¹	White	Black	Urban	Sub-urban	Rural
Total ²	24,983	30.0	22,254	24.4	23.9	27.8	28.6	24.2	18.6
Violent crime.....	4,850	5.9	4,190	4.6	4.4	5.8	5.8	4.1	3.7
Rape.....	165	.2	108	.1	.1	.2	.1	.1	.1
Robbery.....	1,117	1.3	984	1.0	.6	2.2	1.6	.7	.5
Assault.....	3,890	4.7	3,378	3.7	3.7	3.8	4.3	3.4	3.3
Theft.....	17,705	21.4	15,667	17.1	17.2	16.8	19.2	17.7	13.0
Personal.....	11,509	13.9	10,074	11.0	11.2	9.6	11.9	12.0	8.0
Household.....	8,459	10.2	7,238	7.9	7.7	9.4	9.9	7.4	6.2
Burglary.....	6,101	7.4	4,717	5.2	4.8	7.9	6.3	4.7	4.3
Motor vehicle theft.....	1,286	1.6	1,379	1.5	1.4	2.3	2.2	1.5	.6

¹ Includes other races not shown separately. ² Types of crime will not add to "total" since each household may report as many crime categories as experienced.

Source: U.S. Bureau of Justice Statistics, *Households Touched by Crime*, annual.

NO. 290. REPORTED CHILD NEGLECT AND ABUSE CASES, BY DIVISION: 1978 TO 1985

[Represents total number of child maltreatment reports documented within the States, including substantiated and unsubstantiated reports. Derived from data provided by State child protective services personnel to the National Study on Child Neglect and Abuse Reporting, conducted by The American Association for Protecting Children, a division of The American Humane Association, and funded through the National Center on Child Abuse and Neglect, OHDG, OHSR. Also, the figures embody the variation among States with respect to whether they use individual child reports or reports which indicate all involved children in the family. For composition of divisions, see fig. 1, inside front cover. Minus sign (-) indicates decline]

YEAR	U.S.	New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific
Total number of reports (1,000)										
1978	806.6	33.4	78.3	99.1	98.6	98.3	59.5	52.9	38.6	111.7
1979	707.4	41.3	85.6	104.6	98.8	128.2	61.8	61.7	31.9	127.8
1980	765.1	48.3	91.8	105.3	77.7	154.5	58.2	69.7	37.7	141.8
1981	646.2	39.0	101.8	110.5	85.7	174.6	56.1	66.4	37.3	142.5
1982	924.1	49.9	105.5	129.0	98.8	182.1	75.4	98.8	41.5	151.0
1983	1,001.4	58.5	101.0	141.8	83.8	228.5	82.9	103.0	49.5	183.3
1984	1,155.6	55.2	145.8	182.7	107.8	206.4	96.0	116.0	60.0	169.8
1985	1,298.4	59.9	152.2	208.7	107.7	225.0	121.8	128.3	77.9	218.4
Reports per 1,000 population:										
1978	2.7	2.7	2.1	1.7	4.0	2.7	4.1	2.9	3.8	3.7
1979	3.2	3.3	2.3	2.5	3.9	3.5	4.2	2.7	3.4	4.1
1980	3.5	3.9	2.5	2.6	4.5	4.2	4.0	2.9	3.3	4.4
1981	3.7	3.1	2.8	2.7	5.0	4.8	4.5	3.8	3.2	4.4
1982	4.0	4.0	2.9	3.0	5.8	4.8	5.1	3.8	3.8	4.8
1983	4.3	4.7	2.7	3.4	5.4	5.9	4.2	4.0	4.9	4.9
1984	4.9	4.4	3.9	4.4	5.2	5.2	6.2	4.4	4.8	5.5
1985	5.4	4.7	4.1	5.0	6.1	5.6	8.1	4.8	6.1	6.2

¹ Based on Bureau of the Census estimated resident population as of July 1.

Source: American Humane Association, Denver, CO, *National Analysis of Official Child Neglect and Abuse Reporting*, annual; and unpublished data.

NO. 291. CHILD MALTREATMENT CASES REPORTED—SUMMARY: 1978 TO 1985

[In percent, except as indicated. Total number of children reported is generally a duplicate count in that a child may be reported and therefore enumerated more than once each year. Because of differences in enumeration methods, a relatively small number of States (5 to 10) can provide only unduplicated reports, whereas most states provide only duplicated counts]

ITEM	1978	1977	1976	1975	1980	1981	1982	1983	1984	1985
Number of children reported (1,000)										
Rate per 10,000 children	101	126	129	154	181	194	201	236	273	306
Type of maltreatment:										
Deprivation of necessities	70.7	64.0	62.9	63.1	60.7	59.4	62.5	58.4	54.8	55.7
Minor physical injury	18.9	20.8	21.2	15.4	19.8	20.4	18.8	18.5	17.7	15.4
Sexual maltreatment	3.2	6.1	6.6	5.8	6.8	7.5	6.9	8.5	13.3	11.7
Emotional maltreatment	21.8	26.4	23.8	14.9	13.5	11.9	10.0	10.1	11.2	8.9
Unspecified physical injury	.5	.4	.4	2.5	9.1	3.2	4.7	6.2	3.8	4.1
Major physical injury	9.1	3.7	3.5	4.4	3.9	4.1	2.4	3.2	3.3	2.2
Other maltreatment	7.6	7.5	7.4	6.0	7.7	11.7	9.2	8.8	9.8	10.2
Characteristics of child involved:										
Age, average (years)	7.7	7.8	7.4	7.5	7.3	7.2	7.1	7.1	7.2	7.1
Sex:										
Male	50.0	49.8	49.4	49.5	49.8	49.2	49.5	48.9	48.0	48.1
Female	50.0	50.1	50.6	50.5	50.2	50.6	50.5	51.1	52.0	51.9
Race:										
White	61.1	67.7	67.1	65.7	68.4	67.8	64.8	67.5	67.0	(NA)
Black	19.8	19.1	21.1	22.2	18.8	21.7	21.7	19.7	20.6	(NA)
Hispanic	11.1	6.8	8.0	9.2	9.7	8.8	10.9	9.9	8.6	(NA)
Other	8.0	6.3	3.8	2.9	2.0	1.9	2.4	2.9	2.6	(NA)
Characteristics of caretaker:										
Age, average (years)	32.6	32.0	32.0	31.9	31.7	31.6	31.4	31.5	31.9	(NA)
Sex:										
Male	38.9	39.1	38.0	37.6	37.5	36.6	36.5	36.8	36.5	(NA)
Female	61.1	60.9	62.0	62.4	62.5	63.2	63.5	63.1	63.5	(NA)
Race:										
White	66.3	71.5	70.4	72.1	72.7	73.0	70.8	73.1	74.5	(NA)
Black	17.0	15.9	17.2	17.5	18.8	18.6	19.1	17.5	17.5	(NA)
Hispanic	10.0	8.4	9.8	4.9	5.1	4.7	6.1	6.8	5.5	(NA)
Other	7.7	6.2	2.8	5.5	5.8	3.7	4.0	2.6	2.5	(NA)
Family characteristic:										
Single female headed families	38.5	36.7	40.7	41.8	39.3	43.1	43.4	40.3	37.4	(NA)
Children in household, average (number)	2.9	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3
Families receiving public assistance	45.0	48.5	43.9	48.3	44.2	43.4	43.4	47.4	48.3	(NA)
Characteristics of perpetrator:										
Age, average (years)	32.3	31.7	31.7	32.0	31.4	33.6	31.2	31.3	31.5	31.5
Sex:										
Male	39.0	39.2	39.0	38.1	41.2	39.3	38.6	40.4	43.0	40.6
Female	61.0	60.8	61.0	61.9	58.8	60.7	61.4	59.6	57.0	59.4
Race:										
White	65.1	71.2	71.2	71.2	72.0	71.1	69.0	69.5	68.9	(NA)
Black	17.7	18.5	18.4	19.1	17.8	19.7	19.7	18.7	18.1	(NA)
Hispanic	9.5	6.3	7.4	7.2	6.3	7.5	9.2	9.8	9.3	(NA)
Other	7.7	6.0	3.0	2.5	2.1	1.7	2.1	2.0	1.9	(NA)

NA Not available.

Source: American Humane Association, Denver, CO, *National Study on Child Neglect and Abuse Reporting*, annual.

NO. 292. PERSONS ARRESTED BY SEX, AGE, AND RACE: 1975 TO 1987

[1975-1981 data represent agencies reporting 6 to 12 months; thereafter, data represent those agencies reporting 12 months. See also *Historical Statistics, Colonial Times to 1870*, series H 900-1011]

ITEM	Unit	1975	1980	1981	1982	1983	1984	1985	1986	1987
SEX AND AGE										
Agencies reporting	Number	8,051	12,042	12,811	9,832	10,527	9,579	11,249	10,743	10,616
Population represented	Million	179	208	214	187	201	180	203	196	202
Percent of total population ¹	Percent	84.1	82.4	83.8	80.9	85.8	78.2	85.0	82.3	83.1
Persons arrested ²	1,000	8,014	9,703	10,298	10,062	10,287	8,922	10,290	10,392	10,796
Male	1,000	6,752	8,170	8,833	8,425	8,582	7,433	8,499	8,586	8,882
Percent of total	Percent	84.3	84.2	83.9	83.7	83.4	83.3	82.8	82.6	82.3
Percent under 18 years	Percent	25.6	19.7	18.8	17.0	15.8	18.1	16.1	15.8	15.5
Female	1,000	1,262	1,533	1,665	1,637	1,705	1,489	1,791	1,806	1,914
Percent of total	Percent	15.7	15.8	16.1	16.3	16.6	16.7	17.4	17.4	17.7
Percent under 18 years	Percent	35.5	27.1	25.0	22.5	21.5	22.8	22.0	21.8	20.9
Under 18 years	1,000	2,078	2,026	2,036	1,806	1,728	1,536	1,763	1,748	1,781
Percent of total	Percent	25.9	20.9	19.8	17.9	16.8	17.2	17.1	16.8	16.6
18-24 years	1,000	2,482	3,426	3,594	3,527	3,513	2,970	3,335	3,325	3,357
25-34 years	1,000	1,546	2,298	2,582	2,692	2,892	2,540	3,030	3,149	3,384
35-44 years	1,000	870	1,001	1,089	1,115	1,211	1,075	1,282	1,323	1,433
45-54 years	1,000	644	574	593	554	570	480	530	512	518
55 years and over	1,000	366	376	400	370	375	319	350	335	312
RACE										
Agencies reporting	Number	7,993	12,013	12,747	9,789	10,765	9,851	11,231	10,545	10,545
Population represented	Million	189	208	214	186	200	179	202	196	202
Percent of total population ¹	Percent	78.5	82.3	83.3	80.5	85.5	76.0	84.7	82.0	82.9
Persons arrested ²	1,000	7,671	9,684	10,264	10,000	10,248	8,891	10,239	10,336	10,750
White	1,000	5,539	7,146	7,462	7,070	7,291	6,529	7,336	7,371	7,387
Black	1,000	1,935	2,375	2,819	2,777	2,796	2,216	2,721	2,769	3,166
Other	1,000	197	163	163	153	161	146	181	176	196

¹ Based on resident population as of July 1, except 1980 based on April 1 census count. ² Represents each person arrested rather than number of charges filed against each. Through 1981, includes persons for whom age was not known, not shown separately in breakdown by age.

Source: U.S. Federal Bureau of Investigation, *Crime in the United States*, annual.

NO. 293. PERSONS ARRESTED, BY CHARGE, SEX, AND AGE: 1987

[Represents arrests (not charges) reported by 10,616 agencies (reporting 12 months) with a total 1987 population of 202 million as estimated by FBI]

CHARGE	Total (1,000)	PERCENT DISTRIBUTION							
		Male	Under 15 yr	Under 18 yr	18-24 yr.	25-44 yr.	45-54 yr.	55-64 yr	65 yr. and over
Total arrests	10,708	82.3	11.1	16.5	31.1	44.7	4.8	2.1	.8
Serious crimes ¹	2,396	78.4	10.9	26.1	29.6	26.9	3.3	1.5	.8
Murder and nonnegligent manslaughter	17	87.5	1.2	8.5	34.3	47.1	5.4	2.2	1.4
Forcible rape	31	86.8	5.3	15.7	29.2	48.4	4.3	1.7	1.1
Robbery	123	81.9	5.8	22.4	38.1	37.7	1.3	.8	.1
Aggravated assault	302	86.7	3.7	12.6	26.3	50.6	5.3	2.1	.9
Burglary ²	375	82.1	12.7	35.2	34.2	28.8	1.3	.3	.1
Larceny-theft	1,257	85.9	12.9	30.9	27.6	34.7	3.7	2.0	1.2
Motor vehicle theft	147	80.3	9.8	38.9	33.3	25.1	1.3	.3	.1
Arson	15	85.3	25.4	40.5	22.3	31.3	3.9	1.7	.4
All other nonserious crimes	5,539	82.3	3.6	13.2	31.8	47.1	5.2	2.2	.8
Other assaults	672	84.9	5.2	14.6	28.6	49.8	4.6	1.7	.7
Forgery and counterfeiting	79	85.8	1.3	8.0	36.3	50.5	3.0	.8	.3
Fraud	281	85.5	2.6	6.5	26.7	56.7	5.7	1.8	.8
Embezzlement	11	81.9	1.3	8.5	34.8	50.1	4.8	1.7	.4
Stolen property ³	119	86.4	6.6	25.1	38.6	34.7	2.5	.8	.2
Vandalism	220	86.4	18.9	41.3	28.3	27.8	1.9	.8	.3
Weapons (carrying, etc.)	186	92.4	4.0	15.5	33.8	43.5	4.8	1.9	.8
Prostitution and commercialized vice	101	35.2	.2	2.1	38.4	55.4	2.8	1.1	.4
Sex offenses ⁴	86	82.2	7.5	15.8	22.6	48.8	7.1	4.0	2.0
Drug abuse violations	611	85.1	1.2	9.4	37.2	50.3	2.3	.8	.1
Gambling	23	86.5	.5	3.7	13.1	49.2	18.0	11.1	5.4
Offenses against family and children	46	82.8	1.7	5.3	25.0	62.1	5.5	1.6	.5
Driving while intoxicated	1,410	88.3	(2)	1.4	27.1	58.0	8.4	3.8	1.3
Liquor laws	505	82.1	1.8	26.2	51.0	18.5	2.8	1.2	.4
Drunkennes	701	90.8	.3	2.8	11.8	55.3	10.6	5.8	1.9
Decent conduct	111	81.3	4.1	14.8	35.3	43.3	4.2	1.8	.7
Vagrancy	33	86.4	1.7	7.5	28.1	53.4	8.1	3.7	1.1
Suspicion	12	85.6	7.0	21.8	28.7	44.7	3.3	1.0	.4
Curfew, loitering (juveniles)	78	75.0	26.9	100.0	(0)	(0)	(0)	(0)	(0)
Runaways (juveniles)	136	42.8	40.9	100.0	(0)	(0)	(0)	(0)	(0)
All other offenses, except traffic	2,431	84.4	3.0	11.3	33.5	48.1	4.8	1.8	.7

X Not applicable. Z Less than .05 percent. ¹ Includes arson arrests, a rarely established index offense in 1979. ² Breaking or entering. ³ Buying, receiving, possessing. ⁴ Excludes forcible rape and prostitution, shown separately.

Source: U.S. Federal Bureau of Investigation, *Crime in the United States*, annual.

NO. 294. ARSON—SUMMARY BY PROPERTY TYPE: 1964 TO 1967

[12,648 agencies reporting. Includes only fires determined through investigation to have been willfully or maliciously set, including attempts]

PROPERTY TYPE	NUMBER OF OFFENSES				PERCENT CLEARED BY ARREST				AVERAGE DAMAGE (dol.)			
	1964	1965	1966	1967	1964	1965	1966	1967	1964	1965	1966	1967
Total	82,338	86,455	87,585	84,371	19.2	18.9	18.2	16.6	10,375	¹ 15,457	12,199	10,755
Structure, total	47,736	48,263	47,848	48,400	22.9	22.9	22.5	21.8	16,310	¹ 25,837	21,969	17,550
Single occupancy residential	19,947	20,184	20,467	19,708	23.2	23.4	22.8	22.0	11,775	13,143	12,419	12,427
Other residential	8,182	8,221	8,086	8,782	24.2	24.3	24.7	24.2	12,143	11,526	12,048	12,481
Storage	4,955	5,159	4,980	4,541	17.7	18.5	18.5	17.5	17,000	20,536	45,258	16,054
Industrial/manufacturing	763	899	756	802	13.0	14.8	15.1	12.8	82,178	¹ 517,807	64,886	37,187
Other commercial	6,149	6,118	5,908	5,481	17.2	16.9	16.4	15.4	29,716	35,274	38,054	32,618
Community/public	5,112	5,043	4,737	4,428	34.1	34.2	34.2	34.0	13,226	16,490	33,818	18,186
Other structure	2,828	2,898	2,871	2,768	20.2	19.8	18.4	15.5	17,906	8,295	13,790	8,647
Mobile, total	20,036	22,324	24,485	23,339	10.8	10.9	10.2	10.4	3,470	3,707	3,851	3,571
Motor vehicle	18,304	20,487	22,576	21,845	10.4	10.4	9.9	9.8	3,084	3,343	3,299	3,307
Other mobile	1,732	1,837	1,907	1,884	16.3	16.4	14.1	17.6	7,542	7,777	7,940	6,944
Other	14,586	15,888	15,254	14,542	17.8	17.2	18.3		444	416	1,006	581

¹ One arson reported in 1965 involved damage to industrial/manufacturing structures of over \$400 million, inflating the average damage values.

Source: U.S. Federal Bureau of Investigation, *Crime in the United States*, annual.

NO. 295. LAW ENFORCEMENT OFFICERS KILLED, BY DIVISION, OR ASSAULTED, BY TYPE OF WEAPON USED: 1975 TO 1967

[Covers officers killed feloniously and accidentally in line of duty; includes Federal officers. For composition of regions, see fig. 1, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series H 867-896]

ITEM	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
OFFICERS KILLED													
Total killed	¹ 199	² 194	³ 195	⁴ 187	⁵ 184	⁶ 182	147	⁷ 149	133	147			
Northeast	39	21	31	17	17	20	21	19	15	24			
Midwest	40	28	29	29	41	35	22	23	20	31			
South	71	77	72	80	75	84	69	64	63	51			
West	95	92	92	27	27	34	32	29	29	40			
Puerto Rico	8	4	6	3	3	8	3	10	6	1			
ASSAULTS													
Population (1,000) ⁸	151,927	162,027	168,289	177,639	178,593	186,341	195,794	198,996	198,080	190,025			
Number of—													
Agencies represented	7,435	8,938	9,235	9,019	8,529	9,000	10,002	9,906	9,755	8,957			
Police officers	280,838	340,784	345,854	332,868	319,101	377,680	372,388	369,909	360,349	378,877			
Total assaulted	44,857	66,891	67,847	67,195	66,778	62,324	68,183	61,734	64,888	68,842			
Firearm	3,282	3,237	3,265	3,330	2,942	3,067	2,854	2,793	2,852	2,785			
Knife or cutting instrument	1,287	1,720	1,893	1,733	1,452	1,329	1,802	1,715	1,814	1,891			
Other dangerous weapon	4,516	5,543	5,416	4,960	4,579	5,527	5,148	5,283	5,721	5,888			
Hands, fists, feet, etc.	35,782	46,531	47,484	47,269	46,802	51,901	50,688	51,953	54,072	53,807			

¹ Includes one officer each in Virgin Islands and Guam. ² Includes 2 officers in Guam. ³ Includes one officer in Virgin Islands. ⁴ Includes one officer in American Samoa. ⁵ Includes one officer in Mariana Islands. ⁶ Includes one officer each in Guam and Mariana Islands. ⁷ Includes one officer in Guam and 2 in foreign locations. ⁸ Represents the number of persons covered by agencies shown.

Source: U.S. Federal Bureau of Investigation, *Law Enforcement Officers Killed and Assaulted*, annual.

NO. 296. ALIENS EXPELLED AND IMMIGRATION VIOLATIONS: 1970 TO 1967

[For fiscal years ending in year shown. See text, section 9. See also *Historical Statistics, Colonial Times to 1970*, series C 144, C 149, and C 186-190]

ITEM	Unit	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Aliens expelled	1,809	339	679	739	337	694	944	891	1,087	1,812	1,117		
Deported	1,000	17	23	17	17	14	17	16	21	23	23		
Entry without inspection or by false statements	Percent	47.6	70.5	84.0	82.6	81.4	78.6	80.8	80.8	79.7	71.7		
Required to depart	1,000	303	656	719	820	810	827	913	1,046	1,599	1,094		
Prosecutions disposed of	Number	6,834	14,172	14,803	16,385	14,138	13,486	17,860	17,980	22,486	16,384		
Immigration violations	Number	5,510	13,947	14,488	15,802	13,712	15,846	18,980	18,978	22,751	18,200		
Nationality violations	Number	524	225	395	403	426	846	991	712	654	694		
Convictions	Number	5,457	12,811	12,936	12,771	10,339	11,233	16,846	6,323	16,386	11,899		
Immigration violations	Number	4,981	12,878	12,878	12,808	10,058	10,947	10,237	9,838	15,104	11,785		
Nationality violations	Number	509	136	257	262	262	295	309	189	155	210		

Source: U.S. Immigration and Naturalization Service, *Statistical Yearbook*, annual; and unpublished data.

No. 287. IMMIGRATION BORDER PATROL AND INVESTIGATION ACTIVITIES: 1970 TO 1987

(In thousands, except as indicated. For fiscal years ending in year shown. See text, section 8)

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
BORDER PATROL										
Border patrol agents:										
Authorized (number)	1,724	1,803	2,484	2,289	2,429	2,413	2,409	3,288	3,214	4,812
On duty (number)	1,708	1,708	2,329	2,218	2,186	2,291	2,291	3,023	3,236	3,180
Border patrol obligations (\$1,000) ..	28,447	55,254	82,534	85,810	98,774	110,174	114,088	141,902	150,418	194,824
Persons apprehended ¹	233.9	802.2	788.6	839.2	828.0	1,115.4	1,135.0	1,272.4	1,705.3	1,188.8
Deportable aliens located	231.1	598.8	750.4	825.3	818.9	1,105.7	1,138.8	1,262.4	1,692.5	1,158.0
Mexican	219.3	579.4	734.2	797.9	795.4	1,078.3	1,102.8	1,218.7	1,835.7	1,123.7
Canadian	7.8	7.3	5.5	5.8	5.7	5.9	5.8	5.9	6.2	4.8
Other	4.1	10.1	18.9	21.8	18.8	23.5	30.2	37.8	60.6	29.5
Smugglers of aliens located	3.3	6.8	13.1	12.8	11.8	13.4	13.5	14.7	19.3	11.8
Smuggled aliens apprehended	18.7	80.4	112.6	90.1	80.4	68.7	81.7	95.7	114.7	81.4
Aliens located:										
Previously expelled	57.4	184.8	211.0	258.8	244.1	328.1	331.4	372.0	452.1	338.4
Previous criminal record	3.8	10.3	11.3	12.5	9.8	8.2	8.7	9.8	14.2	15.1
Conveyances examined	1,782	3,470	3,848	4,839	5,971	5,489	5,144	4,901	5,122	7,039
Automobiles	1,311	2,883	2,580	3,074	3,813	3,881	3,710	3,468	4,519	5,388
Persons questioned ²	8,805	11,285	10,844	14,238	14,474	14,279	13,480	17,548	18,527	18,527
In automobiles	3,416	6,888	6,328	7,187	8,477	8,722	8,928	8,093	10,904	12,898
Pedestrians	1,881	2,058	1,708	1,862	1,865	2,119	2,089	2,063	2,757	2,022
Number of seizures	320	917	1,820	2,441	4,033	5,807	6,458	7,827	10,484	7,512
Value of seizures (\$1,000)	4,547	28,854	116,115	17,348	15,178	43,536	80,303	138,796	194,710	810,890
Narcotics (\$1,000)	3,885	26,802	110,272	10,236	5,242	28,729	43,475	119,088	181,750	582,411
INVESTIGATION										
Deportable aliens located	114.1	189.8	180.9	128.1	142.8	140.8	102.9	83.8	72.8	(NA)
Mexican	58.1	100.8	83.3	78.2	92.1	96.0	68.2	48.3	35.8	(NA)
Canadian	3.5	.9	1.5	1.5	1.8	1.5	1.1	1.1	1.2	(NA)
Other	52.5	88.0	88.1	50.4	49.1	43.3	35.6	34.5	35.8	(NA)

NA Not available. ¹ Covers deportable aliens located and U.S. citizens engaged in smuggling or other immigration violations.² Includes types not shown separately.Source: U.S. Immigration and Naturalization Service, *Statistical Yearbook*, annual; and unpublished data.

No. 288. ALIEN AMNESTY PROGRAM—ALIENS APPLYING FOR TEMPORARY RESIDENCY, BY SELECTED CHARACTERISTIC OF THE ALIEN: 1987

[Preliminary. Represents applications filed as of October 8, 1988 under the provisions of the Immigration Reform and Control Act of 1986. Applicants may apply under two provisions of the Act—those who have continuously resided in the United States since January 1, 1982 under the pre-1982 provisions, and those who have worked on perishable crops under Special Agricultural Worker provisions]

CHARACTERISTIC	PRE-1982 PROVISIONS		SPECIAL AGRICULTURAL WORKERS		CHARACTERISTIC	PRE-1982 PROVISIONS		SPECIAL AGRICULTURAL WORKERS	
	Number (1,000)	Per cent	Number (1,000)	Per cent		Number (1,000)	Per cent	Number (1,000)	Per cent
Total applicants ¹	1,764.8	100.0	889.3	100.0	Selected country of citizenship:				
Under 15 years old	152.0	8.6	2.2	.2	Mexico	1,235.6	70.0	742.6	83.4
15-19 years old	148.9	8.3	77.4	8.7	El Salvador	145.9	8.3	16.0	1.8
20-24 years old	225.2	12.8	254.6	28.6	Guatemala	50.8	2.9	11.0	1.2
25-29 years old	344.4	19.5	201.2	22.8	Colombia	24.7	1.4	3.2	.4
30-34 years old	333.6	18.9	136.7	15.4	Philippines	20.5	1.2	3.6	.4
35-39 years old	225.5	12.8	84.3	9.5	Dominican Republic	17.7	1.0	3.8	.4
40-44 years old	135.4	7.7	55.0	6.2	Haiti	17.2	1.0	39.0	4.4
45-54 years old	182.6	10.3	78.3	8.8	Nicaragua	16.5	.9	.5	.1
55 years old and over	18.8	1.1	2.5	.3	Poland	15.7	.9	.3	(2)
Median age (years)	30.3	(0)	27.3	(0)	Jamaica	12.7	.7	6.3	.8
Male	987.3	56.0	744.5	83.0	India	4.0	.2	13.6	1.5
Female	777.1	44.0	145.8	16.4	Selected State of residence:				
Marital status:					California	987.1	54.8	494.2	55.5
Single	838.7	47.5	480.4	51.7	Texas	314.3	17.8	73.4	8.2
Married	755.9	42.8	387.8	43.5	New York	121.1	6.9	27.2	3.1
Other	170.0	9.8	42.3	4.8	Illinois	117.7	6.7	15.3	1.7
					Florida	47.9	2.7	88.9	10.1
					New Jersey	27.8	1.6	6.5	.8
					Arizona	27.8	1.6	38.3	4.4
					New Mexico	17.5	1.0	10.4	1.2
					Washington	8.7	.5	23.0	2.6

X Not applicable. Z Less than .05 percent. ¹ Includes a small number of unknown or not reported cases for which age and sex data were not recorded.Source: U.S. Immigration and Naturalization Service, *Provisional Legalization Application Statistics*, October 8, 1988.

No. 288. DRUG REMOVALS, LABORATORY SEIZURES, AND PERSONS INDICTED, BY DEA: 1983 TO 1987

(Represents domestic drug removals. 1 kg=.454 lb; dz=dosage unit. Minus sign (-) indicates decrease)

ITEM	Unit	1983	1984	1985	1986	1987	PERCENT CHANGE			
							1983-84	1984-85	1985-86	1986-87
Domestic drug removals:										
Heroin	kg	302	348	447	382	575	14.5	29.2	-18.8	-1.8
Cocaine	kg	7,388	11,742	18,129	28,884	37,148	88.7	64.4	49.4	37.8
Cannabis (Marijuana)	1,000 kg	1,030	1,408	748	711	848	35.9	-48.8	10.8	-8.7
Dangerous drugs	ml. dz	20	14	28	32	34	-30.4	88.5	78.0	8.2
Clandestine laboratory seizures	Number	235	280	388	608	882	23.4	18.6	50.6	34.0
Narcotic Title II intercepts	Number	78	88	138	78	98	8.2	88.9	-37.5	17.7
Asset removals:										
Total seizures	\$1,000	(NA)	180,875	248,344	401,415	504,844	(NA)	88.2	61.1	25.7
DEA seizures	\$1,000	28,880	82,545	171,888	210,730	408,807	-2.2	85.7	78.8	30.0
Seizures through interagency cooperation	\$1,000	(NA)	58,431	74,456	90,884	97,036	(NA)	27.4	18.5	7.0
Arrests	Number	12,387	13,128	15,727	18,887	21,916	1.0	18.8	18.9	17.3
Convictions	Number	9,873	10,808	10,519	12,088	12,472	8.4	-2.7	15.6	3.7
Number of persons indicted	Number	(NA)	8,442	8,278	11,454	12,540	(NA)	44.0	23.4	9.5

NA Not available.

Source: Drug Enforcement Administration (DEA), *Annual Statistical Report*.

No. 300. AUTHORIZED INTERCEPTS OF COMMUNICATION—SUMMARY: 1970 TO 1987

(Data for jurisdictions with statutes authorizing or approving interception of wire or oral communication)

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Jurisdictions: ¹													
With wiretap statutes	18	24	34	34	28	28	28	28	31	31	32	32	33
Reporting interceptions	12	18	18	20	20	22	22	22	28	24	22	24	22
Intercept applications authorized	888	701	828	570	553	584	588	578	648	801	784	784	873
Intercept installations	882	878	801	580	533	524	602	518	802	773	722	676	884
Federal:													
State	178	108	77	81	87	79	108	128	205	277	235	247	233
State	403	570	824	479	446	446	488	388	387	488	487	429	481
Intercepted communications, avg. ²	888	854	858	728	888	1,058	848	1,082	1,107	1,208	1,328	1,328	1,288
Incriminating	288	308	288	208	252	218	198	208	228	288	275	253	230
Persons arrested	1,874	2,234	2,181	1,825	1,717	1,871	1,735	1,725	1,718	2,303	2,488	2,410	2,288
Convictions	151	338	372	337	388	258	248	483	521	848	888	781	908
Major offense specified:													
Gambling	325	408	288	241	284	188	188	158	157	188	208	188	135
Drugs	127	178	237	188	288	282	318	333	388	483	434	348	378
Homicide and assault	21	18	82	28	28	13	28	31	31	30	25	34	18
Other	123	88	102	108	70	70	82	84	100	102	118	183	141

¹ Jurisdictions include Federal Government, States, and beginning 1978, District of Columbia. ² Average per authorized installation. ³ Based on information received from intercepts installed in year shown.Source: Administrative Office of the U.S. Courts, *Report on Applications for Orders Authorizing or Approving the Interception of Wire or Oral Communications*, (Wiretap Report), annual.

No. 301. CRIMINAL JUSTICE SYSTEM—PUBLIC EXPENDITURES AND EMPLOYMENT, BY LEVEL OF GOVERNMENT: 1980 TO 1985

(Expenditures are for fiscal years. Employment as of October. Expenditures are direct expenditures only and on cash flow basis. See Appendix III and *Historical Statistics, Colonial Times to 1975*, series H 1012-1027 for similar data)

LEVEL OF GOVERNMENT AND ACTIVITY	EXPENDITURES (mil. dol.)			FULL-TIME EQUIVALENT EMPLOYMENT					
				Total ¹ (1,000)			Rate ²		
	1980	1983	1985	1980	1983	1985	1980	1983	1985
All governments	22,084	28,880	48,807	9 16	1,228	1,388	34.2	34.8	37.3
Police	15,183	20,848	22,014	847	888	888	28.8	29.5	29.0
Judicial and legal	(NA)	8,821	10,070	(NA)	244	282	(NA)	10.3	11.8
Corrections	6,801	10,411	13,084	283	311	387	11.8	13.7	18.2
Federal government	2,128	4,844	5,884	388	184	188	2.8	4.8	4.8
Police	1,738	2,748	2,788	88	84	81	2.5	2.8	2.8
Judicial and legal	(NA)	1,523	1,888	(NA)	30	32	(NA)	1.3	1.3
Corrections	387	578	707	10	10	14	.4	.4	.8
State governments	8,288	11,708	14,884	288	382	431	10.4	15.8	18.1
Percent of total	28.5	29.5	32.2	25.9	28.8	31.5	(X)	(X)	(X)
Police	2,027	2,830	3,228	75	77	88	3.3	3.4	4.1
Judicial and legal	(NA)	2,758	3,172	(NA)	81	80	(NA)	3.8	3.8
Corrections	4,258	6,123	8,081	181	194	228	7.1	8.8	10.0
Local governments ⁴	13,888	23,127	28,880	888	787	828	28.8	23.8	24.7
Percent of total	81.8	58.4	55.4	88.8	88.7	88.8	(X)	(X)	(X)
Police	11,387	15,273	18,018	518	538	538	22.8	23.3	22.3
Judicial and legal	(NA)	4,842	4,888	(NA)	133	181	(NA)	8.8	8.7
Corrections	2,288	3,012	4,347	82	108	134	4.1	4.7	5.8

NA Not available. X Not applicable. ¹ Total payroll divided by full-time payroll multiplied by full-time employees.² For 1980, rate per 10,000 estimated resident population as of April 1, 1980; for 1983 and 1985, as of July 1.³ Data for Federal government represent total employment (full- and part-time). ⁴ Data are estimates subject to sampling variation; see Appendix III and source.Source: U.S. Bureau of Justice Statistics, *Justice Expenditures and Employment Effects*, annual.

No. 302. STATE AND LOCAL GOVERNMENT POLICE PROTECTION AND CORRECTION—EMPLOYMENT AND EXPENDITURES: 1986

[Employment as of October. Expenditures for fiscal years ending between July 1986 and June 1987. Local government data are estimates subject to sampling variation; see Appendix III and source. For composition of regions, see fig. 1, inside front cover.]

REGION, DIVISION, AND STATE	FULL-TIME EQUIVALENT EMPLOYMENT					EXPENDITURES			
	Total	Police protection	Correc-tion	Per 10,000 population ¹		Total ² (mil. dol.)	Per capita (dol.)	Police protection (mil. dol.)	Correc-tion (mil. dol.)
				Police protection	Correc-tion				
U.S.	1,017,878	648,777	369,802	26.3	16.3	46,947	196	22,886	14,967
Region:									
Northeast	245,932	159,427	86,506	31.8	17.3	11,223	224	5,443	3,469
Midwest	221,889	152,704	68,986	25.8	11.6	9,799	165	5,049	2,732
South	345,290	207,773	137,517	25.0	18.6	13,529	163	6,527	4,532
West	204,766	128,873	75,886	28.4	18.6	12,396	254	5,896	4,224
N. Eng.	50,477	34,899	15,808	27.2	12.4	2,216	174	1,126	694
ME	3,853	2,615	1,268	22.3	10.8	135	116	67	40
NH	3,586	2,535	1,051	24.7	10.3	138	136	89	33
VT	1,675	1,136	439	21.0	8.1	69	127	33	19
MA	24,374	16,809	7,566	28.8	13.0	1,113	191	558	308
RI	3,742	2,694	1,048	27.6	10.7	166	170	89	40
CT	13,307	8,880	4,427	27.8	13.9	562	165	311	154
Mid. Atl.	196,455	124,796	70,897	23.4	11.1	8,096	241	4,317	2,576
NY	110,479	66,931	43,848	37.4	24.6	5,406	304	2,583	1,807
NJ	43,238	26,925	14,313	37.9	18.6	1,785	231	886	512
PA	41,738	29,202	12,536	24.8	10.5	1,838	155	848	556
E. No. Cent.	183,982	112,386	50,708	26.8	12.2	7,321	176	3,757	2,882
OH	36,381	24,859	11,522	23.1	10.7	1,794	164	869	531
IN	18,407	11,573	6,534	21.6	11.9	629	114	298	207
IL	54,003	39,752	14,251	34.4	12.3	2,107	182	1,196	543
MI	36,457	23,128	13,329	26.3	14.6	2,013	220	936	624
WI	17,844	12,774	5,070	26.7	10.6	699	166	466	176
W. No. Cent.	69,697	40,318	18,279	22.8	10.4	2,479	141	1,282	696
MN	12,118	8,140	3,978	19.3	9.4	689	183	100	165
IA	8,248	5,090	2,558	20.0	9.0	399	130	191	99
MO	19,758	13,759	5,999	27.2	11.8	711	140	401	177
ND	1,796	1,378	419	20.3	6.2	72	106	36	14
SD	2,191	1,526	688	21.5	9.4	63	117	42	23
NE	5,448	3,687	1,849	22.5	11.6	206	131	104	62
KS	9,041	5,231	2,810	25.3	11.4	348	141	179	90
S. Atl.	196,244	109,286	76,388	26.7	16.8	7,631	186	3,610	2,539
DE	3,143	1,851	1,492	26.1	23.6	142	226	62	46
MD	22,496	13,146	9,349	29.5	21.0	1,083	239	464	415
DC	7,878	4,477	3,399	71.6	54.4	503	212	208	208
VA	24,954	13,800	11,354	23.6	19.6	962	169	453	364
WV	4,529	3,293	1,338	17.2	7.0	161	64	31	26
NC	24,590	14,734	9,858	23.3	15.9	674	138	315	315
SC	14,087	7,708	6,331	22.8	18.7	461	203	186	186
GA	26,729	16,018	10,712	24.6	17.6	825	152	423	343
FL	57,792	35,882	22,130	30.6	18.9	2,520	216	1,293	723
E. So. Cent.	63,836	32,847	20,969	21.6	13.8	1,989	122	664	661
KY	13,169	7,406	5,781	19.9	16.6	443	119	206	135
TN	18,496	10,844	7,622	22.8	16.9	619	129	294	217
AL	13,840	9,054	4,786	22.4	11.8	529	131	246	169
MS	6,141	5,341	2,800	20.4	10.7	289	99	139	80
W. So. Cent.	196,410	85,841	40,699	24.6	16.1	4,047	161	2,033	1,389
AR	7,033	4,709	2,324	19.9	9.8	227	98	118	70
LA	20,146	11,910	6,236	26.5	18.3	800	178	424	234
OK	12,854	8,449	4,215	25.8	12.7	451	136	220	155
TX	66,567	40,773	25,794	24.4	15.5	2,569	154	1,270	843
MR.	56,719	36,399	20,489	27.3	18.9	2,767	212	1,321	692
MT	2,830	1,916	912	23.6	11.2	120	147	59	33
ID	3,163	2,299	894	22.6	8.9	123	122	66	29
WY	2,365	1,653	712	32.6	14.0	120	237	65	30
CO	12,984	8,912	3,862	27.3	11.3	689	211	352	196
NM	7,407	4,322	3,066	29.2	20.9	291	196	135	89
AZ	16,472	9,999	7,483	27.4	22.6	661	262	361	316
UT	5,397	3,802	1,735	21.8	10.4	295	159	133	82
NV	5,548	3,583	1,955	37.2	20.2	260	300	129	105
Pac.	148,982	93,616	56,437	26.2	16.6	9,439	192	4,346	3,382
WA	16,924	9,758	7,186	21.9	16.1	855	192	383	319
OR	9,381	6,939	3,443	22.0	12.7	482	178	239	135
CA	116,346	73,623	42,723	27.3	16.8	7,784	288	3,516	2,689
AK	2,547	1,508	1,039	28.3	18.5	287	558	106	109
HI	3,854	2,788	1,066	26.2	10.0	241	228	101	70

¹ Based on resident population as of July 1.

² Includes judicial and legal, not shown separately.

Source: U.S. Bureau of the Census, Public Employment, series GE No. 1, annual, and Government Finances, series GF No. 3, annual.

No. 303. LAWYERS—SELECTED CHARACTERISTICS: 1954 TO 1985

[See headnote, table 304. See also *Historical Statistics, Colonial Times to 1970*, series H 1029-1032]

CHARACTERISTIC	1954	1957	1960	1963	1966	1970	1980	1985
All lawyers ¹	341,514	262,320	285,933	295,088	318,858	365,242	542,206	666,191
Lawyers reporting ²	221,800	236,783	252,385	268,782	288,404	324,818	(X)	(X)
Male	216,564	229,433	245,887	251,838	281,336	315,715	486,019	588,649
Female	5,036	8,350	6,488	7,143	8,088	9,103	44,186	85,542
Status in practice: ³								
Government	21,279	24,245	25,821	29,314	31,280	35,803	50,490	53,035
Federal	9,040	12,458	13,045	15,113	18,284	18,710	20,132	19,989
State	3,581	4,000	4,316	6,486	7,416	9,293		
City or county	8,678	7,787	8,280	7,715	7,580	7,800	30,358	33,046
Judicial	7,903	7,910	8,180	8,748	8,712	10,349	19,180	21,677
Federal	821	789	599	707	800	878	2,811	3,003
State and county	5,041	6,056	5,301	5,712	6,823	7,548		
City	2,241	2,085	2,280	2,328	2,089	1,923	18,549	18,674
Private practice	159,423	188,955	192,353	200,586	212,862	236,065	370,111	480,206
Individual	127,380	122,389	116,911	113,127	113,273	118,963	179,823	216,336
Partner	51,888	54,986	60,709	70,084	78,544	92,442	190,187	177,382
Associate ⁴	10,366	11,800	14,733	17,385	20,845	24,880		68,478
Salaried	18,548	21,054	25,188	29,510	33,222	40,486	73,862	83,843
Private industry	15,083	18,911	22,533	26,492	29,405	33,593	54,826	63,622
Educational institutions	1,351	1,504	1,798	2,100	2,717	3,732	6,806	7,254
Other private employment	234	636	867	918	1,100	3,161	12,630	12,967
Inactive or retired	6,681	7,861	10,887	12,024	14,881	18,812	28,582	36,430

X Not applicable. ¹ 1954-1970 includes lawyers not reporting and an adjustment (subtraction) for duplications; 1980 and 1985 weighted to account for non-reporters and duplicate listings. ² 1954-1970 includes duplications; 1980 and 1985 figures are weighted to adjust for duplication of entries. ³ 1954-1970, in cases where more than 1 subentry was applicable, the individual was tabulated in each. In 1980 and 1985 lawyers who were in both private practice and government service are coded in private practice. ⁴ Associates are lawyers designated as such by their employers.

Source: American Bar Foundation, Chicago, IL, 1954-1970, *The 1971 Lawyer Statistical Report*, 1971 (copyright); 1980, *The Lawyer Statistical Report: A Statistical Profile of the U.S. Legal Profession in the 1980s*, 1985 (copyright); and 1985, *Supplement to The Lawyer Statistical Report: The U.S. Legal Profession in 1985*, 1986 (copyright).

No. 304. LAWYERS, BY STATE: 1970 TO 1985

[Data based on 1971, 1980 and 1985 editions of *Martindale-Hubbell Law Directory*. Represents all persons who are members of the bar, including those in industries, educational institutions, etc., and those inactive or retired]

STATE	1970 ¹	1980 ²	1985			STATE	1970 ¹	1980 ²	1985		
			Total ³	In private practice ³	Population per lawyer ³				Total ³	In private practice ³	Population per lawyer ³
U.S. ⁴	324,818	542,206	666,191	480,206	380	MO	7,230	10,731	12,439	8,531	403
AL	3,291	5,466	6,679	4,747	597	MT	978	1,617	2,008	1,432	411
AK	443	1,355	1,749	1,191	286	NE	2,481	3,722	4,289	2,876	374
AZ	2,618	5,857	7,535	5,248	405	NV	739	1,771	2,276	1,581	400
AR	1,960	3,188	3,741	2,586	828	NH	791	1,188	2,139	1,570	457
CA	31,580	64,840	82,001	60,719	312	NJ	11,128	18,400	23,301	16,429	323
CO	4,197	8,652	11,174	7,991	284	NM	1,201	2,508	3,184	2,302	450
CT	5,368	8,930	11,387	7,342	277	NY	48,312	62,745	72,575	52,130	244
DE	733	1,332	1,597	898	384	NC	4,387	7,458	9,285	6,580	685
DC	15,501	25,485	28,399	12,817	22	ND	728	1,101	1,290	888	532
FL	10,917	23,521	30,444	21,709	361	OH	16,349	23,949	27,191	19,125	385
GA	5,517	11,087	13,652	10,097	428	OK	4,637	7,034	8,302	5,923	397
HI	857	2,027	2,787	2,019	373	OR	2,996	5,803	7,385	5,337	362
ID	803	1,706	2,031	1,370	493	PA	13,557	22,872	27,796	20,393	428
IL	20,404	32,421	37,873	26,483	304	RI	1,284	2,070	2,527	1,808	381
IN	5,447	8,443	9,499	6,862	579	SC	2,236	4,196	6,021	3,755	657
IA	3,820	5,550	6,182	4,339	471	SD	812	1,125	1,230	880	574
KY	3,126	4,759	5,555	3,828	439	TN	4,770	7,802	8,782	6,206	537
LA	5,089	8,752	10,589	6,272	422	TX	17,217	30,151	39,028	26,184	410
ME	1,088	2,082	2,528	1,848	457	UT	1,309	2,480	3,446	2,585	479
MD	6,619	10,646	12,868	8,405	338	VT	1,095	1,095	1,372	979	386
MA	11,316	18,537	22,154	16,579	262	VA	8,401	10,895	13,390	9,031	421
MI	10,569	17,443	20,445	14,501	444	WA	4,468	8,468	11,507	8,411	378
MN	5,481	9,433	11,343	7,787	444	WV	1,719	2,568	2,835	2,033	689
MS	2,517	3,850	4,270	3,198	606	WY	6,177	9,117	10,315	7,187	462
							449	927	1,116	756	458

¹ Represents lawyers reporting only. Includes an estimated adjustment (subtraction) to account for duplications. Based on reporting from approximately 90 percent of all lawyers. ² Weighted to account for non-reporters and duplicate listings. ³ Based on Bureau of the Census estimated resident population, including Armed Forces stationed in area as of July 1, 1984. ⁴ Total for U.S. counts each lawyer only once regardless of number of offices maintained by the lawyer. If, however, a lawyer maintains an office in more than one State, the lawyer is included in the total shown for each State in which the lawyer maintains an office.

Source: American Bar Foundation, Chicago, IL, *The 1971 Lawyer Statistical Report*, 1971 (copyright); 1980, *The Lawyer Statistical Report: A Statistical Profile of the U.S. Legal Profession in the 1980s*, 1985 (copyright); and 1985, *Supplement to The Lawyer Statistical Report: The U.S. Legal Profession in 1985*, 1986 (copyright).

No. 305. U.S. SUPREME COURT—CASES FILED AND DISPOSITION: 1970 TO 1987

[Statutory term of court begins first Monday in October. See *Historical Statistics, Colonial Times to 1970*, series H 1063-1078, for related but not comparable data]

ACTION	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Total cases on docket	4,212	4,781	5,144	5,311	5,079	5,108	5,088	5,158	5,123	5,268
Appellate cases on docket	1,903	2,352	2,749	2,935	2,710	2,688	2,575	2,571	2,547	2,577
From prior term	325	431	527	522	545	520	539	400	476	440
Docketed during present term	1,578	1,921	2,222	2,413	2,165	2,168	2,036	2,171	2,071	2,137
Cases acted upon ¹	1,613	1,900	2,324	2,513	2,279	2,220	2,253	2,185	2,169	2,224
Granted review	214	244	167	203	189	140	167	166	152	157
Denied, dismissed, or withdrawn	1,285	1,538	1,999	2,100	1,892	1,902	1,953	1,863	1,876	1,919
Summarily decided	114	118	90	114	113	71	59	78	71	66
Cases not acted upon	290	452	425	422	413	468	322	366	358	353
Pauper cases on docket	2,289	2,395	2,371	2,354	2,352	2,394	2,416	2,577	2,564	2,675
Cases acted upon ¹	1,602	1,997	2,027	2,039	2,013	1,992	2,067	2,169	2,250	2,263
Granted review	41	26	17	7	10	9	18	20	15	23
Denied, dismissed, or withdrawn	1,663	1,903	1,968	2,014	1,995	1,986	2,050	2,138	2,166	2,210
Summarily decided	78	66	32	12	6	10	14	24	38	21
Cases not acted upon	487	366	344	315	339	402	329	366	314	412
Original cases on docket	20	14	24	22	17	18	15	10	12	16
Cases disposed of during term	7	7	7	6	3	7	8	2	1	5
Total cases available for argument	267	206	284	318	312	298	271	276	276	298
Cases disposed of	180	181	162	192	199	189	184	175	179	175
Cases argued	151	179	154	184	183	184	175	171	175	167
Cases dismissed or remanded without argument	9	2	8	8	16	5	9	4	4	8
Cases remaining	107	99	102	126	113	80	87	101	91	105
Cases decided by signed opinion	126	180	144	170	174	174	159	161	184	151
Cases decided by per curiam opinion	22	16	8	10	6	6	11	10	10	9
Number of signed opinions	109	138	123	141	151	151	139	146	145	139

¹ Beginning 1980, includes cases granted review and carried over to next term, not shown separately.

Source: Office of the Clerk, Supreme Court of the United States, unpublished data.

No. 306. U.S. COURTS OF APPEALS CASES COMMENCED AND DISPOSITION: 1970 TO 1987

[For years ending June 30. See also *Historical Statistics, Colonial Times to 1970*, series H 1079-1086]

ITEM	1970	1975	1979	1980	1981	1982	1982	1984	1985	1986	1987
Cases commenced ¹	11,662	16,668	20,219	23,200	26,362	27,946	29,630	31,480	33,380	34,292	36,179
Criminal	2,880	4,187	4,102	4,405	4,377	4,767	4,790	4,881	4,989	5,134	5,260
U.S. civil	2,167	2,981	3,983	4,654	4,940	5,517	5,820	6,259	6,744	6,415	6,292
Private civil	4,834	6,511	8,237	10,200	12,074	13,267	14,429	15,468	16,827	17,876	19,248
Administrative appeals	1,522	2,290	2,922	2,950	3,600	3,118	3,089	3,045	3,179	3,187	2,723
Cases terminated ¹	16,305	16,000	18,928	20,887	25,086	27,984	29,630	31,185	31,387	33,774	34,444
Criminal	2,581	4,005	4,320	3,993	4,192	4,522	4,777	4,876	4,892	5,134	5,039
U.S. civil	1,912	3,094	3,857	4,346	5,021	5,508	5,585	6,074	6,363	6,535	6,227
Private civil	4,367	6,252	7,175	8,942	11,327	13,115	13,710	15,309	15,743	17,278	18,338
Administrative appeals	1,407	1,909	2,602	2,643	3,303	3,549	3,260	3,212	2,760	3,235	3,237
Cases disposed of ²	6,135	9,077	9,361	10,807	12,183	12,720	13,217	14,327	16,388	18,198	18,882
Affirmed or granted	4,626	6,763	7,125	8,017	9,004	9,560	10,174	10,981	12,286	13,398	13,661
Reversed or denied	1,260	1,632	1,548	1,845	2,246	2,138	2,173	2,382	2,770	3,249	2,924
Other	233	682	688	745	918	1,022	870	964	1,313	1,552	1,897
Median months ³	8.2	7.4	8.1	8.9	9.3	8.9	8.6	8.3	10.3	10.3	10.3

¹ Includes original proceedings and bankruptcy appeals not shown separately. ² Terminated on the merits after hearing or submission. Beginning 1975, data not comparable with earlier years due to changes in criteria. ³ Prior to 1985, the figure is from filing of complete record to final disposition; beginning 1985, figure is from filing notice of appeal to final disposition. For definition of median, see Guide to Tabular Presentation.

No. 307. U.S. DISTRICT COURTS—CIVIL AND CRIMINAL CASES: 1970 TO 1987

[In thousands, except percent. As of and of fiscal year; see text, section 10. See also *Historical Statistics, Colonial Times to 1970*, series H 1097-1111]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
Civil cases: Commenced	87.3	117.3	154.7	168.8	180.6	206.2	241.8	261.5	273.7	254.8	239.0
Cases terminated ¹	79.5	103.8	140.0	155.0	172.9	185.5	213.6	241.8	268.6	265.8	237.5
No court action	31.1	39.2	60.2	68.7	72.1	81.6	99.0	113.9	129.4	122.2	97.8
Court action, total	48.4	64.6	79.9	86.2	100.8	103.9	114.6	127.9	139.2	143.6	139.7
Before pretrial	29.4	40.3	49.7	53.8	61.1	67.3	75.9	86.1	95.5	101.9	95.3
Pretrial	11.0	15.6	20.5	22.4	26.3	25.3	27.1	29.6	31.1	29.9	32.5
Trials	8.0	8.7	9.6	10.1	11.4	11.3	11.6	12.1	12.6	11.7	11.9
Percent reaching trial	10.0	8.4	6.9	6.5	6.6	6.1	5.4	5.0	4.7	4.4	5.0
Criminal cases: Commenced ²	38.1	41.1	31.5	28.0	30.4	31.6	34.9	35.9	38.5	40.4	42.2
Defendants disposed of ³	36.4	49.2	41.2	36.6	38.1	40.5	43.3	44.5	47.4	50.0	54.2
Not convicted	8.2	11.8	8.3	6.0	8.3	8.2	7.7	8.4	8.8	9.3	10.2
Convicted	28.2	37.4	32.9	28.6	29.9	32.3	35.6	36.1	38.5	40.7	43.9
Imprisonment	12.4	17.3	14.6	13.2	13.7	15.9	17.9	17.7	18.7	20.6	23.3
Probation	11.4	17.9	13.5	11.1	12.2	12.7	14.1	13.9	14.4	15.2	16.0
Fine and other	4.4	2.2	4.9	4.4	4.0	3.7	3.6	4.5	5.4	4.9	4.6

¹ Excludes land condemnation cases. ² Excludes transfers. ³ Beginning 1975, includes DC; beginning 1979, includes Guam, Virgin Islands, and Northern Mariana Islands; 1979 through 1982 includes Canal Zone.

Source of tables 306 and 307: Administrative Office of the U.S. Courts, *Annual Report of the Director*.

No. 308. U.S. DISTRICT COURTS—CIVIL CASES COMMENCED AND PENDING: 1980 TO 1987

TYPE OF CASE	CASES COMMENCED				CASES PENDING			
	1980	1985	1986	1987	1980	1985	1986	1987
Cases total ¹	188,788	273,870	254,826	238,982	198,113	264,114	242,177	242,361
Contract actions ¹	49,052	102,642	86,352	69,540	40,521	85,983	58,625	59,915
Recovery of overpayments ²	15,588	58,160	40,824	24,208	6,888	22,578	13,408	9,218
Real property actions	11,067	10,118	10,874	11,585	15,438	9,324	9,680	9,862
Tort actions ¹	32,539	41,593	42,328	42,947	41,082	57,243	61,490	65,350
Personal injury	27,517	37,580	38,248	39,146	34,994	52,806	56,805	60,736
Personal injury product liability ¹	(NA)	12,507	12,459	14,145	9,118	22,111	22,111	30,542
Asbestos	(NA)	4,239	5,483	7,774	(NA)	11,194	15,090	19,487
Other personal injury	27,517	25,053	25,789	25,001	25,876	30,497	30,552	30,194
Personal property damage	5,022	4,033	4,078	3,801	6,066	4,635	4,685	4,614
Actions under statutes ¹	75,574	119,180	113,392	114,836	88,534	121,295	112,247	114,340
Civil rights ¹	12,944	19,553	20,128	19,785	18,619	26,146	25,972	25,354
Employment	5,017	8,062	9,174	8,988	8,993	12,187	12,413	12,286
Bankruptcy suits	1,886	6,331	4,561	4,701	1,443	4,886	3,978	3,981
Antitrust	1,486	1,032	877	785	2,988	1,915	1,588	1,410
Banks and banking	202	343	518	520	280	422	531	553
Commerce (ICC rates, etc.)	1,105	912	922	1,083	6,194	747	890	808
Environmental matters	557	852	841	702	751	912	828	1,078
Prisoner petitions	23,287	33,488	33,785	37,318	18,008	29,982	29,546	30,446
Forfeiture and penalty	3,019	4,909	3,480	3,493	2,282	3,856	2,700	2,920
Labor laws	8,840	11,749	12,839	12,748	9,045	11,002	11,619	11,840
Protected property rights ³	3,783	5,412	5,881	5,514	4,014	5,151	5,323	5,483
Securities commodities and exchanges	1,884	3,286	3,059	3,020	3,255	5,062	5,220	5,327
Social Security laws	9,043	19,771	14,407	13,322	13,154	20,302	12,044	12,823
Tax suits	3,282	2,985	2,750	2,784	3,075	2,972	2,951	3,051
Freedom of information	627	565	505	444	517	555	494	485

NA Not available. ¹ Includes other types not shown separately. ² Includes enforcement of judgments in student loan cases, and overpayments of veterans benefits. ³ Includes copyright, patent, and trademark rights.

No. 309. U.S. DISTRICT COURTS—TRIALS: 1970 TO 1987

(As of end of fiscal year; see text, section 10. A trial is defined as a contested proceeding (other than a hearing on a motion) before either court or jury in which evidence is introduced and final judgment sought. See also *Historical Statistics, Colonial Times to 1970*, series H 1112-1118.)

TYPE OF TRIAL	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total	16,032	19,236	19,563	19,825	21,239	21,397	21,345	20,639	20,729	20,242	19,995
Civil trials	9,449	11,803	11,784	13,191	14,897	14,753	14,688	14,374	14,254	13,276	13,118
Nonjury	6,078	7,903	8,348	9,254	10,047	10,074	9,712	9,037	8,617	8,054	7,587
Jury	3,371	3,700	3,436	3,937	4,850	4,679	4,977	5,337	5,437	5,222	5,531
Criminal trials	6,583	7,433	6,779	6,634	6,342	6,644	6,656	6,458	6,475	6,966	6,823
Nonjury	2,357	2,726	2,118	3,216	2,962	3,078	3,003	2,823	2,778	3,068	2,912
Jury	4,226	4,907	3,667	3,418	3,380	3,566	3,653	3,635	3,697	3,900	3,911

No. 310. U.S. DISTRICT COURTS—CRIMINAL CASES COMMENCED AND DEFENDANTS DISPOSED OF, BY NATURE OF OFFENSE: 1985 AND 1987

[For years ending June 30]

NATURE OF OFFENSE	1986		Cases commenced, 1987	Total defendants disposed of	DISPOSITION OF DEFENDANTS, 1987							
	Cases commenced ¹	Defendants disposed of			Not convicted		Convicted ²		Sentenced			
					Total	Acquitted	Total	Guilty plea ³	By court or jury	Imprisonment	Probation	Fine and other
Total	38,546	47,380	42,158	54,168	10,226	1,442	43,942	38,440	5,502	23,344	16,023	4,576
General offenses												
Homicide	180	170	146	156	41	13	115	74	41	95	5	15
Robbery	1,236	1,387	1,291	1,372	147	23	1,225	1,069	158	1,168	58	1
Assault	552	555	705	718	183	50	535	403	132	318	171	48
Burglary	158	165	119	133	28	-	105	97	8	75	26	4
Larceny-theft	3,571	4,108	3,451	4,030	801	88	3,229	2,965	264	1,377	1,604	248
Embezzlement and fraud	7,912	9,044	9,444	11,117	1,573	246	9,544	8,578	966	4,111	5,130	303
Auto theft	300	461	253	405	59	7	346	322	24	243	101	2
Forgery counterfeiting	2,118	2,372	2,135	2,529	353	26	2,178	2,032	144	1,099	1,058	19
Sex offenses	266	200	358	334	82	15	272	231	41	168	101	3
DAPCA ⁴	8,890	11,177	8,869	15,130	2,431	384	12,699	10,865	2,044	9,807	2,880	112
Misc. general offenses	15,583	17,721	15,384	18,244	4,548	590	13,696	12,014	1,682	4,785	5,091	3,820

- Represents zero. ¹ Excludes transfers. ² Convicted and sentenced. ³ Includes nolo contendere. ⁴ All marijuana, narcotics and controlled substances prosecutions under the Drug Abuse, Prevention and Control Act.

Source of tables 308-310: Administrative Office of the U.S. Courts, *Annual Report of the Director*

No. 311. U.S. DISTRICT COURTS—DEFENDANTS CHARGED WITH VIOLATIONS OF DRUG ABUSE PREVENTION AND CONTROL ACT: 1960 TO 1967

[For years ending June 30]

ITEM	MARIJUANA					DRUGS					CONTROLLED SUBSTANCES (prescribed drugs)				
	1960	1964	1965	1966	1967	1960	1964	1965	1966	1967	1960	1964	1965	1966	1967
Defendants disposed of.....	1,866	3,178	3,884	3,988	4,404	3,290	4,548	5,585	7,221	8,878	1,383	1,484	1,588	1,644	1,738
Not convicted.....	588	867	854	904	942	749	786	868	1,009	1,210	276	278	246	257	279
Dismissed ¹	483	516	708	777	818	620	668	892	813	882	234	237	200	221	249
Convicted.....	1,121	2,512	3,130	3,085	3,462	2,541	3,762	4,727	6,312	7,668	1,087	1,185	1,352	1,367	1,471
By guilty plea and nolo contendere.....	772	1,605	2,523	2,637	2,955	1,830	2,935	3,539	5,125	6,404	846	983	1,138	1,126	1,283
Imprisonment, total ²	754	1,841	2,038	2,046	2,354	1,845	3,048	3,701	5,058	6,388	780	868	1,048	1,046	1,185
Regular sentence.....	555	1,344	1,512	1,584	1,855	1,410	2,326	2,885	4,169	5,361	582	636	810	838	972
Avg. sentence (mo.).....	47.2	54.4	53.2	55.7	61.4	60.8	71.8	69.8	73.1	74.9	48.5	67.6	69.3	61.2	65.0
Other sentences to prison ³	199	497	524	454	499	535	723	816	889	1,027	198	230	238	208	193
Probation, total.....	341	616	936	902	1,040	688	851	980	1,148	1,246	303	307	287	305	294
Avg. sentence (mo.).....	37.5	42.0	31.2	33.4	35.3	39.9	44.3	39.7	41.6	42.8	37.2	43.4	40.6	43.7	42.6
Fine only.....	20	11	65	91	62	4	4	3	15	17	3	3	6	2	6
Other ³	6	44	73	44	6	4	48	63	61	15	1	9	10	16	6

¹ Includes defendants committed under 28 USC 2002, Narcotic Addict Rehabilitation Act of 1966. ² Split or mixed sentences of prison and probation in the same case as well as indeterminate and Youth Corrections Act sentences are included under total imprisonment and other sentences to prison. ³ Includes deportation, suspended sentences, imprisonment for four days or less or for time already served, remitted and suspended fines and life sentences.

Source: Administrative Office of the U.S. Courts, *Annual Report of the Director*.

No. 312. FEDERAL PROSECUTIONS OF PUBLIC CORRUPTION: 1974 TO 1986

[As of Dec. 31. Prosecution of persons who have corrupted public office in violation of Federal Criminal Statutes]

PROSECUTION STATUS	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total: ¹ Indicted.....	291	255	583	507	657	667	721	878	729	1,073	936	1,182	1,182
Convicted.....	217	179	380	440	409	555	552	730	671	972	934	987	1,027
Awaiting trial.....	5	27	186	210	205	187	213	216	186	222	289	256	248
Federal officials: Indicted.....	59	53	111	129	133	128	123	166	158	248	408	583	586
Convicted.....	51	43	101	94	91	115	131	156	147	242	429	470	523
Awaiting trial.....	1	5	1	32	42	21	16	23	38	56	77	90	63
State officials: Indicted.....	36	36	59	50	55	58	72	87	49	81	58	79	88
Convicted.....	23	18	35	38	56	32	51	68	43	65	52	66	71
Awaiting trial.....	-	5	30	33	20	30	36	36	18	26	21	20	24
Local officials: Indicted.....	130	136	164	157	171	212	247	244	257	270	203	248	232
Convicted.....	87	94	100	164	127	156	168	211	232	226	198	221	207
Awaiting trial.....	4	15	66	62	72	67	52	102	58	81	74	49	55

- Represents zero. ¹ Includes individuals who are neither public officials nor employees but who were involved with public officials or employees in violating the law, not shown separately. ² Increases in the number indicted and convicted between 1982 and 1983 resulted from a greater focus on federal corruption nationwide and more consistent reporting of cases involving lower-level employees.

Source: U.S. Department of Justice, *Federal Prosecutions of Corrupt Public Officials, 1970-1980* and *Report to Congress on the Activities and Operations of the Public Integrity Section*, annual.

No. 313. CONVICTIONS IN FEDERAL COURT FOR FEDERAL WHITE COLLAR AND RELATED CRIMES AND INCARCERATIONS, BY TYPE OF OFFENSE: 1960 TO 1985

[White collar crime is defined as a nonviolent crime for financial gain committed by deception, such as counterfeiting, embezzlement, forgery, fraud, or regulatory offense]

OFFENSE	NUMBER OF DEFENDANTS CONVICTED						PERCENT OF CONVICTED OFFENDERS SENTENCED TO INCARCERATION						Median length of sentence, 1986 (months)
	1960	1961	1962	1963	1964	1965	1960	1961	1962	1963	1964	1965	
All offenses.....	28,982	31,519	34,346	37,295	38,071	40,648	46	48	51	58	46	50	18
White collar.....	9,121	9,572	10,581	10,877	10,811	10,733	39	40	43	41	38	40	15
Tax fraud.....	1,366	1,189	1,089	973	1,163	1,204	34	36	46	49	47	48	12
Lending and credit fraud.....	406	489	453	473	494	540	46	43	40	37	40	36	12
Wire fraud.....	1,048	1,169	1,221	1,348	1,602	1,428	53	59	56	50	39	50	24
Other fraud.....	1,845	1,995	2,670	3,004	2,795	2,800	33	34	36	34	33	37	12
Embezzlement.....	1,626	1,780	2,029	1,998	1,787	1,753	28	28	29	30	28	28	6
Forgery.....	1,564	1,310	1,783	1,844	1,652	2,014	51	54	53	53	50	45	24
Counterfeiting.....	857	877	888	751	571	603	57	54	59	56	59	58	24
Regulatory offenses.....	806	938	468	486	477	491	18	22	23	20	18	17	6
Nonwhite collar.....	20,861	22,247	23,654	26,418	28,457	29,816	48	51	55	54	63	64	24

¹ Includes 3 offenders in 1964, and 100 offenders in 1966 whose offense type was unknown.

Source: U.S. Bureau of Justice Statistics, *White Collar Crime*, September 1987, and unpublished data.

NO. 314. CHARACTERISTICS OF PERSONS ARRESTED FOR FEDERAL CRIMES, BY TYPE OF OFFENSE: 1984-1985

[White collar crime is defined as a nonviolent crime for financial gain committed by deception, such as counterfeiting, embezzlement, forgery, fraud, or regulatory offenses]

OFFENSE	PERCENT OF PERSONS ARRESTED WHO WERE—									
	Sex		Race		Ethnicity		Age		Education	
	Male	Female	White	Black and other	Hispanic	Non-Hispanic	40 years and under	Over 40 years	No college	At least college
All offenses	64	16	72	28	21	79	76	26	74	26
White collar	74	26	88	34	10	90	86	34	67	33
Tax fraud	88	12	89	7	2	98	39	67	56	44
Lending and credit fraud	82	18	81	19	5	95	60	40	51	49
Wire fraud	63	17	89	31	5	95	69	41	58	42
Other fraud	75	25	82	36	15	85	64	36	65	35
Embezzlement	56	41	89	32	10	90	74	26	60	40
Forgery	70	30	52	46	11	89	80	20	63	17
Counterfeiting	86	14	76	34	9	91	73	27	76	24
Regulatory offense	92	8	80	10	11	89	50	50	66	36
Nonwhite collar	67	13	74	26	26	74	78	22	78	22

Source: U.S. Bureau of Justice Statistics, *White Collar Crime*, September 1987.

NO. 315. CHILDREN'S CASES DISPOSED OF BY JUVENILE COURTS: 1970 TO 1984

[For definition of delinquency cases, see text, section 5. Dependency and neglect cases are all cases referred to the court for some form of neglect or inadequate care on the part of parents or guardians. See also *Historical Statistics, Colonial Times to 1970*, series H 1119-1124]

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984
Population 10-17 years old ¹	1,000	32,814	33,980	31,643	31,171	30,725	29,914	29,345	28,475
Delinquency cases, excluding traffic	1,000	1,052	1,317	1,374	1,445	1,350	1,292	1,276	1,304
Per 1,000 population 10-17 years old	Rate	32.3	38.8	43.4	46.4	44.0	43.2	43.5	45.8
Male	1,000	800	1,002	1,058	1,121	1,024	990	980	988
Female	1,000	252	315	316	324	326	303	296	316
Percent of total cases	Percent	24.0	23.9	23.0	22.4	24.1	23.4	23.1	24.4
Population under 18 years old ¹	1,000	70,810	68,314	65,336	64,808	64,406	63,763	63,812	62,789
Dependency and neglect cases	1,000	133	143	157	153	166	172	195	(NA)
Per 1,000 population under 18 years old	Rate	1.9	2.1	2.5	2.3	2.6	2.7	3.1	(NA)

NA Not available. ¹ U.S. Bureau of the Census estimates of civilian population as of July 1.

Source: National Center for Juvenile Justice, Pittsburgh, PA, *Juvenile Court Statistics*, annual. (Copyright.)

NO. 316. JUVENILES HELD IN CUSTODY—PUBLIC AND PRIVATE JUVENILE RESIDENTS AND FACILITIES: 1979 TO 1985

[Public and private facilities for juveniles include detention centers, shelters, reception and diagnostic centers, training schools, halfway houses, group homes, ranches, forestry camps, and farms]

CHARACTERISTIC	Unit	PUBLIC CUSTODY			PRIVATE CUSTODY		
		1979	1983	1985	1979	1983	1985
Number of residents ^{1,2}	Number	46,398	50,799	51,402	26,717	31,473	34,112
Juvenile ³	Number	43,234	46,701	48,322	26,088	31,390	34,080
Average age ⁴	Years	15.3	15.4	15.4	14.9	14.9	14.9
Male	Number	37,187	42,182	42,549	20,512	22,242	23,844
Female	Number	6,067	6,519	6,773	6,176	9,148	10,236
White	Number	26,053	27,806	29,989	21,654	22,377	23,989
Black	Number	13,752	18,020	18,289	5,843	7,822	9,204
Number of admissions (all residents) ^{5,6}	Number	596,802	530,200	527,759	69,607	88,808	101,007
Number of departures (all residents) ^{5,6}	Number	560,751	522,589	520,803	64,574	84,398	96,008
Average daily residents ⁷	Number	47,603	50,208	49,480	28,586	31,686	33,121
Facilities, total ^{2,7}	Number	1,016	1,023	1,040	1,561	1,877	1,988
Occupancy less than 70 percent	Percent	34	30	35	22	22	20
70-100 percent	Percent	56	56	55	78	78	79
More than 100 percent	Percent	10	14	10	2	2	1
Personnel, total ^{2,8}	Number	61,108	56,854	(NA)	32,821	37,411	(NA)
Expenditures ^{9,10}	Mill. dol.	842.5	1,148.3	1,247.9	465.2	719.0	806.5
Capital	Mill. dol.	53.3	43.3	(NA)	25.9	45.5	(NA)
Operating	Mill. dol.	789.2	1,105.0	1,247.9	439.3	673.5	806.5
Per capita operating cost ¹⁰	\$1,000	16.5	22.0	25.2	15.4	21.3	24.3

NA Not available. ¹ Includes adults. ² Data for December 31, 1979, February 1, 1983, and February 1, 1985. ³ Includes races not reported and races not shown. ⁴ Based on juvenile residents only. ⁵ Data are for calendar years 1979, 1982, and 1984. ⁶ Juvenile and adult. ⁷ Occupancy is calculated on the average daily resident population. ⁸ 1979 includes community volunteers; 1983 generally includes volunteers; excludes 4,800 in California, and large but unspecified numbers in Ohio and South Carolina. ⁹ Current dollars, unadjusted for inflation. ¹⁰ Based on average daily residents.

Source: 1979, U.S. Law Enforcement Assistance Administration, unpublished data; 1983, U.S. Office of Juvenile Justice and Delinquency Prevention, *Children in Custody: Advance Report on the 1982 Census of Public Juvenile Facilities*; and *Children in Custody: Advance Report on the 1982 Census of Private Juvenile Facilities*; and 1985, U.S. Bureau of Justice Statistics, *Census of Public and Private Juvenile Detention, Corrections, and Shelter Facilities, 1979-85*.

NO. 317. JAIL INMATES, BY RACE AND DETENTION STATUS: 1978 TO 1986

[Excludes Federal and State prisons or other correctional institutions; institutions exclusively for juveniles; State-operated jails in Connecticut, Delaware, Hawaii, Rhode Island, and Vermont; and other facilities which retain persons for less than 48 hours. As of June 30. For the years 1982 and 1984-1986 data based on sample survey and subject to sampling variability; 1978 and 1983, based on the National Jail Census]

CHARACTERISTIC	1978	1982	1982	1984	1986	1989
Total inmates ¹	188,984	208,582	223,582	234,808	268,816	274,444
Percent of rated capacity	66	84	85	80	94	98
Percent of operational capacity	84	95	81	(NA)	(NA)	(NA)
Male	148,839	195,730	207,783	216,275	235,908	251,235
Female	9,655	11,852	15,799	18,743	19,077	21,501
White	89,418	(NA)	130,118	138,355	151,403	159,178
Black	85,104	(NA)	87,508	93,800	102,848	112,522
Other races	3,872	(NA)	5,926	2,345	2,566	2,744
Hispanic ²	18,349	(NA)	31,297	30,485	35,928	38,422
Non-Hispanic	142,045	(NA)	192,254	204,015	220,689	236,022
Adult ³	156,783	207,853	221,815	233,018	254,986	272,736
Awaiting arraignment or trial	77,453	118,189	113,984	116,331	127,059	142,112
Convicted	75,438	89,664	107,830	113,491	123,409	127,087
Juvenile ⁴	1,611	1,729	1,738	1,462	1,829	1,708

NA Not available. ¹ Includes juveniles not shown separately by sex. ² Hispanic persons may be of any race.

³ Includes inmates not classified by conviction status. ⁴ Juveniles are persons whose age makes them initially subject to juvenile court authority although they are sometimes tried as adults in criminal court.

Source: U.S. Bureau of Justice Statistics, *Profile of Jail Inmates, 1978*, and *Jail Inmates*, annual.

NO. 318. FEDERAL AND STATE PRISONERS: 1950 TO 1987

[Prior to 1970, excludes State institutions in Alaska and for 1950, those in Hawaii. Beginning 1980, includes all persons under jurisdiction of Federal and State authorities rather than those in the custody of such authorities. Represents inmates sentenced to maximum term of more than a year. See also *Historical Statistics, Colonial Times to 1970*, series H 1135-1140]

YEAR	PRESENT AT END OF YEAR						RECEIVED FROM COURTS					
	All institutions		Federal		State		All institutions		Federal		State	
	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹
1950	188,123	110.3	17,134	11.4	148,989	98.9	66,473	48.1	14,237	9.5	55,236	36.7
1960	212,953	118.6	23,218	12.9	189,736	105.7	86,575	49.3	13,723	7.6	74,852	41.7
1965	210,895	109.5	21,040	10.9	189,855	98.6	87,505	45.4	12,781	6.6	74,724	38.8
1970	198,429	98.7	20,038	9.8	178,391	88.9	79,351	39.1	12,047	5.9	67,304	33.1
1975	240,593	113.3	24,131	11.4	216,462	102.0	129,573	61.0	16,770	7.9	112,803	53.1
1980	315,974	139.2	20,611	8.1	295,363	130.1	142,122	62.7	10,807	4.8	131,215	57.9
1982	385,516	170.8	23,852	10.2	371,664	160.4	177,109	78.1	12,461	5.4	164,648	70.7
1983	419,721	178.6	26,331	11.2	393,390	168.1	187,408	80.1	14,119	6.0	173,289	74.1
1984	445,399	188.0	27,802	12.0	417,797	178.0	180,418	78.0	13,491	5.7	166,927	70.3
1985	461,393	200.6	32,885	13.6	448,508	187.0	196,499	82.7	15,368	6.4	183,131	76.3
1986	522,485	216.0	38,531	15.0	483,954	201.0	219,382	91.0	16,087	7.0	203,315	84.0
1987	557,258	228.0	39,523	16.0	517,733	212.0	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available. ¹ Rate per 100,000 estimated population.

Source: U.S. Bureau of Justice Statistics, *Prisoners in State and Federal Institutions on December 31*, annual, and *Correctional Populations in the United States*, annual.

NO. 319. STATE PRISON INMATES—SELECTED CHARACTERISTICS: 1979 AND 1986

[Based on a sample survey of about 13,711 inmates in 1986 and 11,397 inmates in 1979; subject to sampling variability]

CHARACTERISTIC	NUMBER		PERCENT OF PRISON INMATES		CHARACTERISTIC	NUMBER		PERCENT OF PRISON INMATES	
	1979	1986	1979	1986		1979	1986	1979	1986
Total	274,584	447,185	100.0	100.0	Never married	142,414	241,707	51.9	53.7
Under 18 years old	2,220	2,057	.8	.5	Married	61,420	91,492	22.4	20.3
18-24 years old	97,880	120,384	35.6	26.7	Widowed	6,248	8,343	2.3	1.9
25-34 years old	116,284	205,817	42.4	45.7	Divorced	45,314	81,263	16.3	18.1
35-44 years old	37,826	87,502	13.8	19.4	Separated	18,188	26,965	6.6	6.0
45-54 years old	13,987	23,524	5.1	5.2	Years of school:				
55-64 years old	4,786	8,267	1.7	1.8	Less than 12 years	144,771	276,309	52.7	61.6
65 years old and over	1,499	2,806	.5	.6	12 years or more	129,782	172,365	47.3	38.4
Male	263,484	430,604	96.0	96.8	Pre-arrest employment status:				
Female	11,080	19,812	4.0	4.4	Employed	182,600	309,384	70.5	69.0
White	136,295	223,648	49.6	49.7	Full-time	165,577	257,391	60.5	57.4
Black	131,329	221,021	47.8	48.9	Part-time	27,223	51,973	10.0	11.6
Other races	6,939	15,412	2.6	3.4	Not employed	80,653	136,773	29.5	31.0
					Looking for work	38,230	80,508	14.0	18.0
					Not looking for work	42,433	58,265	15.5	13.0

Source: U.S. Bureau of Justice Statistics, *Profile of State Prison Inmates, 1986*, January 1986.

NO. 320. STATE PRISON INMATES, BY CRIMINAL HISTORY AND SELECTED CHARACTERISTICS OF THE INMATE: 1966

[Based on a sample survey of about 13,711 inmates. Violent/nonviolent refers to the current or past criminal offense for which the inmate is or was incarcerated; see table 277 for types of crime; subject to sampling variability]

CHARACTERISTIC	CRIMINAL HISTORY OF PRISON INMATES								
	Total	First-timers			Recidivists ¹				
		Total	Non-violent	Violent	Total	Non-violent	Prior violent only	Current violent only	Current and prior violent
Prison inmates, total.....	447,186	82,791	22,806	59,985	364,395	129,496	46,827	96,946	86,186
Percent of total.....	100.0	18.5	5.3	13.2	81.5	29.0	11.1	22.1	19.3
Percent distribution:									
Male.....	95.6	92.7	91.2	93.5	96.3	93.6	97.5	97.4	96.3
Female.....	4.4	7.3	8.8	6.7	3.7	6.4	2.5	2.6	3.7
White.....	49.7	54.2	63.2	50.7	46.6	56.9	44.9	47.1	40.2
Black.....	46.9	42.0	33.3	46.6	48.0	40.5	51.8	48.9	55.2
Other races.....	3.4	3.8	3.6	3.7	5.4	2.6	3.5	4.0	3.8
Median age (years).....	26	29	29	28	26	27	29	28	30
Median age at first arrest (years).....	17	22	23	22	16	17	16	16	15
Median age at first confinement (years).....	19	24	25	24	18	19	17	19	18
Average number of months served on current confinement.....	27.3	21.9	21.0	30.8	20.8	19.8	20.7	32.1	32.0

¹ An individual who has been previously sentenced to probation or incarceration as a juvenile or adult.

Source: U.S. Bureau of Justice Statistics, *Profiles of State Prison Inmates, 1966*, January 1968.

NO. 321. ADULTS UNDER CORRECTIONAL SUPERVISION, BY STATE: 1966

[In thousands, except rate. As of Dec. 31. Excludes juveniles, persons incarcerated in mental health institutions in lieu of prison, persons held by the armed services, persons held on Indian reservations, parolees under county jurisdiction, parolees whose sentences were for 1 year or less, and court probationers (those not placed under the supervisory authority of a probation agency). For composition of regions, see fig. 1, inside front cover]

REGION, DIVISION, AND STATE	Total ¹	Rate ²	Prison ³	Parole ⁴	Probation ⁵	DIVISION, AND STATE	Total ¹	Rate ²	Prison ³	Parole ⁴	Probation ⁵
U.S. ⁶	3,238.0	162	646.1	328.8	2,094.4	S.E.—Con.					
Regions:						MD.....	94.5	262	13.3	7.5	66.1
Northeast	601.4	158	82.4	68.3	394.4	DC.....	24.9	510	6.8	3.7	12.3
Midwest	621.9	143	103.0	43.1	436.6	VA.....	42.0	96	12.9	5.8	17.7
South	1,264.1	208	214.8	124.6	636.3	WV.....	7.2	51	1.5	7	4.0
West	579.8	163	100.8	53.4	367.9	NC.....	63.1	177	17.7	3.3	56.6
N.E.	181.8	187	18.7	6.8	154.9	SC.....	36.5	145	11.7	2.9	16.2
ME.....	6.4	74	1.3	-	4.6	GA.....	138.6	316	17.4	10.4	100.6
NH.....	5.4	70	.5	.5	3.6	FL.....	190.2	210	32.2	3.6	140.2
VT.....	6.4	180	7	.3	5.4	E.S.C.	123.2	112	31.3	18.7	96.6
MA.....	104.1	232	5.6	4.0	91.2	KY.....	18.4	71	5.3	3.8	6.8
RI.....	10.1	135	1.4	.6	8.2	TN.....	48.5	137	7.6	6.8	26.3
CT.....	48.4	203	6.9	.6	41.9	AL.....	38.2	123	11.7	3.0	17.0
M.A.	419.7	149	65.6	62.4	239.8	MS.....	19.2	105	6.7	3.5	6.5
NY.....	191.2	143	38.4	29.3	107.6	W.S.C.	612.7	289	67.1	67.3	399.6
NJ.....	85.1	147	12.0	14.1	53.0	AR.....	11	116	4.7	3.8	10.1
PA.....	143.4	159	15.2	39.0	79.0	LA.....	54.7	173	14.3	4.2	27.7
E.N.C.	466.7	153	78.5	31.3	326.8	OK.....	36.5	152	8.6	1.7	23.0
OH.....	107.6	136	22.5	6.1	71.9	TX.....	401.3	341	36.5	57.6	290.1
IN.....	86.3	165	10.2	3.3	76.2	Mt.	106.8	116	25.3	9.3	62.1
IL.....	116.8	138	19.5	12.3	76.2	MT.....	5.1	87	1.1	7	2.9
MI.....	139.1	209	20.7	5.9	104.9	ID.....	6.3	91	1.4	.5	3.8
WI.....	37.0	105	5.7	3.7	24.8	WY.....	3.3	83	0	3	1.8
W.N.C.	165.0	120	24.4	11.8	109.7	CO.....	25.7	107	3.8	2.0	17.2
MN.....	41.0	132	2.5	1.4	35.2	NM.....	9.0	87	2.4	1.1	4.2
IA.....	18.1	86	2.8	1.9	12.6	AZ.....	34.8	145	6.4	2.0	20.3
MO.....	50.2	134	10.3	5.2	30.9	UT.....	10.3	98	1.8	1.2	8.4
ND.....	2.3	47	.4	.2	1.5	NV.....	12.3	170	4.4	1.5	5.5
SD.....	4.1	80	1.2	.4	2.2	Pac.	473.0	180	75.5	44.8	306.6
NE.....	14.4	123	2.0	.3	11.3	WA.....	69.1	208	6.6	7.7	51.2
KS.....	25.0	138	5.3	2.4	16.0	OR.....	31.9	159	4.8	2.1	22.7
S.A.	628.4	205	116.2	38.8	429.7	CA.....	355.1	179	59.5	33.2	220.7
DE.....	11.9	249	2.6	1.0	6.0	AK.....	5.5	152	2.5	1	2.9
						HI.....	11.5	148	2.2	9	8.4

- Represents zero ¹ Includes jail. ² Rate per 10,000 persons 18 years old and over. ³ Includes all inmates of Federal and State institutions. ⁴ Includes all adults under State parole supervision, whether released from prison via parole board decision or mandatory release, who were sentenced to more than 1 year in prison. ⁵ Includes all adults who, as part of a State, or local court order, have been placed under the supervisory authority of a probation agency. ⁶ Includes both State and Federal.

Source: U.S. Bureau of Justice Statistics, *Probation and Parole*, annual; *Prisoners in State and Federal Institutions on December 31*, annual; and *Correctional Populations in the United States*, annual.

**No. 322. PRISONERS UNDER JURISDICTION OF STATE AND FEDERAL CORRECTIONAL AUTHORITIES—
SUMMARY, BY STATE: 1960 TO 1967**

(For years ending Dec. 31, except as noted)

SEX, REGION, DIVISION AND STATE	1960, total	1965, total	1966, total	1967		SENTENCED TO MORE THAN ONE YEAR				
				Total prison- ers	Prison- ers as percent of capac- ity ¹	1960	1965	1966	1967	
									Total	Rate per 100,000 popula- tion ²
U.S.	325,821	503,271	546,133	581,809	118.2	315,974	481,383	522,486	567,388	238
Male	318,401	480,147	518,478	552,770	(NA)	303,843	456,834	497,882	530,559	445
Female	13,420	23,124	28,655	28,839	(NA)	12,331	21,459	24,603	26,827	21
Federal										
Institutions ³	24,363	40,223	44,408	48,300	158.3	20,611	32,895	36,531	39,523	16
State institutions	305,458	463,048	500,725	533,309	113.5	295,363	448,688	485,954	517,733	212
Region:										
Northeast	45,796	75,706	82,984	88,903	117.9	43,165	72,858	79,066	85,256	180
Midwest	86,211	95,704	102,984	111,095	117.0	84,494	95,245	102,552	110,671	185
South	146,358	202,926	214,620	221,592	107.9	142,650	195,868	207,308	214,236	254
West	47,093	86,712	100,777	111,719	118.4	45,054	84,829	97,026	107,570	214
N. Eng.	9,836	15,432	18,694	18,132	146.0	7,890	12,496	13,432	14,996	112
ME	814	1,226	1,316	1,328	126.3	671	967	1,242	1,267	106
NH ⁴	326	683	762	867	135.7	326	663	762	867	81
VT ⁴	480	677	697	759	130.8	342	443	439	506	91
MA ⁴	3,186	5,390	5,636	6,238	184.6	3,150	⁵ 5,390	⁵ 5,636	⁵ 6,236	106
RI ⁴	813	1,307	1,368	1,429	99.6	611	964	1,007	992	100
CT ⁴	4,308	6,149	6,905	7,511	152.0	2,750	4,043	4,326	4,637	144
Mid. Atl.	36,670	60,274	65,670	70,771	112.8	35,316	60,168	65,634	70,780	188
NY	21,815	34,712	38,449	40,842	105.1	21,639	34,712	38,449	40,842	229
NJ ⁴	5,884	11,335	12,020	13,662	116.6	5,584	11,335	12,020	13,662	177
PA	8,171	14,227	15,201	16,267	130.7	8,112	14,119	15,165	16,246	136
E. No. Cent.	51,176	72,886	78,533	84,797	119.4	48,598	72,380	78,302	84,586	201
OH	13,468	20,864	22,463	24,240	136.3	13,469	⁶ 20,864	⁶ 22,463	⁶ 24,240	224
IN ⁴	6,683	9,904	10,175	10,827	110.5	6,281	9,615	9,993	10,634	192
IL	11,890	18,634	19,456	19,850	105.1	10,724	18,634	19,456	19,850	171
MI ⁴	15,124	17,756	20,742	23,879	116.9	15,124	17,755	20,742	23,879	259
WI	3,980	5,442	5,997	6,001	126.2	3,980	5,412	5,678	5,982	124
W. No. Cent.	16,036	23,106	24,431	26,298	110.2	14,896	22,966	24,260	26,096	148
MN	2,001	2,343	2,482	2,546	96.4	2,001	2,343	2,482	2,546	60
IA ⁴	2,481	2,832	2,777	2,863	96.6	2,479	2,832	2,777	2,863	101
MO	5,726	9,915	10,309	11,357	100.0	5,726	9,915	10,309	11,357	222
ND	253	422	421	430	87.0	186	375	361	380	57
SD	635	1,047	1,164	1,136	96.2	609	1,035	1,133	1,086	154
NE	1,446	1,814	1,953	2,066	136.5	1,402	1,733	1,863	1,963	123
KS	2,484	4,732	5,345	5,881	156.3	2,484	4,732	5,345	5,881	237
So. Atl.	78,216	108,228	116,163	118,661	108.4	75,391	101,626	108,233	112,892	268
DE ⁴	1,474	2,553	2,623	2,931	109.2	1,087	1,759	1,946	2,120	327
MD	7,731	13,005	13,326	13,467	108.5	7,731	12,303	⁷ 12,559	⁷ 12,912	262
DC ^{4,8}	3,145	6,404	6,618	7,448	103.6	2,719	4,604	4,787	5,565	801
VA	8,920	12,073	12,930	13,321	127.6	8,581	11,717	12,545	12,931	217
WV ⁴	1,257	1,725	⁸ 1,482	⁸ 1,461	92.6	1,257	1,725	1,482	1,461	77
NC	15,513	17,344	17,698	17,249	90.4	14,456	16,007	⁷ 16,373	⁷ 16,151	250
SC	7,892	10,510	11,676	12,664	129.1	7,427	9,906	11,022	11,862	344
GA ⁴	12,178	18,014	17,363	18,575	108.6	11,922	15,115	16,291	17,210	274
FL ⁴	20,735	28,600	32,237	32,446	102.2	20,211	28,482	32,226	32,360	266
E. So. Cent.	21,065	30,336	31,336	32,763	107.9	20,771	29,886	30,944	32,366	211
KY	3,586	5,801	⁹ 5,288	⁹ 5,471	101.6	3,566	5,801	⁹ 5,286	⁹ 5,471	147
TN ^{4,8}	7,022	7,127	7,591	7,824	96.5	7,022	7,127	7,591	7,824	156
AL	6,543	11,015	11,710	12,827	115.5	6,368	10,749	11,504	12,602	307
MS	3,902	6,392	6,747	6,831	107.2	3,793	6,208	6,561	6,669	254
W. So. Cent.	46,489	64,383	67,131	69,278	107.5	46,489	64,383	67,131	69,278	267
AR ⁴	2,911	4,811	4,701	5,443	100.8	2,911	⁷ 4,811	⁷ 4,701	⁷ 5,443	227
LA	8,669	13,890	14,300	15,375	131.0	8,669	13,890	14,300	15,375	346
OK	4,796	6,330	6,598	6,639	129.3	4,796	⁷ 6,330	⁷ 6,598	⁷ 6,639	296
TX ⁴	29,892	37,532	38,534	38,821	97.5	29,692	37,532	38,534	38,821	231
Mid.	13,141	22,798	25,390	28,336	106.7	13,034	22,326	24,743	27,842	210
MT	739	1,129	1,111	1,187	114.8	738	1,129	1,111	1,187	147
ID	817	1,294	⁸ 1,448	⁸ 1,462	118.0	817	1,294	⁸ 1,448	⁸ 1,462	149
WY ⁴	534	758	665	940	96.9	534	758	665	940	185
CO ⁴	2,629	3,369	3,804	4,806	117.9	2,609	⁷ 3,369	⁷ 3,804	⁷ 4,806	145
NM	1,279	2,313	2,416	2,648	104.4	1,199	2,112	2,308	2,561	189
AZ	4,372	6,531	6,434	10,948	99.9	4,360	6,273	6,036	10,556	307
UT	932	1,633	1,845	1,868	93.0	928	1,623	1,814	1,872	111
NV	1,836	3,771	4,367	4,434	119.6	1,836	3,771	4,367	4,434	432
Pac.	33,862	66,814	76,487	83,364	122.8	32,030	62,600	72,285	79,728	216
WA	4,399	6,909	6,803	8,131	104.8	4,399	6,909	6,803	8,131	134
OR	3,177	4,454	4,770	5,482	145.2	3,172	4,454	4,770	5,482	200
CA ⁴	24,569	50,111	59,484	68,975	123.4	23,264	48,279	57,725	64,812	231
AK ⁴	622	2,329	2,480	2,528	107.3	571	1,530	1,686	1,767	339
HI ⁴	985	2,111	2,180	2,268	135.6	624	1,428	1,521	1,536	141

NA Not available. ¹ States can report three estimates of prison capacity: rated, operational, and design. Some States report fewer estimates or the same number for all estimates. Excludes persons housed in local jails. Average estimate used to calculate percent of capacity. ² Unpublished Bureau of the Census estimates as of July 1, 1967 for the resident population were used to calculate rates. ³ Includes persons held under other jurisdiction, not shown separately. ⁴ State estimated number of prisoners with sentences of 2 years or more instead of more than 1 year. ⁵ Includes both jail and prison inmates (State has combined jail and prison system). ⁶ Jurisdiction counts exclude prisoners held in jail because of crowding. ⁷ Includes an undetermined number of prisoners with sentences shorter than 1 year. ⁸ Numbers are custodial, not jurisdictional counts. ⁹ Capacity figures for males only.

Source: U.S. Bureau of Justice Statistics, *Prisoners in 1967*, and earlier reports.

NO. 323. AVERAGE TIME SERVED BY PRISONERS RELEASED FROM FEDERAL INSTITUTIONS FOR FIRST TIME, 1970 TO 1986, AND BY OFFENSE, 1986

[For fiscal years ending in year shown; see text, section 9. In computing averages, sentences to life and more than 45 years were counted as 45 years; minority sentences of juvenile delinquents were counted from date of sentence to 21st birthday]

YEAR AND OFFENSE	ALL FIRST RELEASES ¹			PAROLE ¹			EXPIRATION OF SENTENCE ^{1,2}			YCA ³ RELEASES	
	Number	Average time (month)		Number	Average time (month)		Number	Average time (month)		Number	Avg. time served (month)
		Sentence	Served		Sentence	Served		Sentence	Served		
1970, all offenses	8,487	38.8	19.7	2,784	55.0	20.0	5,703	30.7	19.6	947	21.7
1975, all offenses	11,313	38.8	18.5	4,387	73.7	27.8	6,926	18.5	12.6	1,126	21.6
1976, all offenses	10,489	32.3	15.1	3,114	74.3	28.9	7,375	14.4	10.1	988	19.7
1977, all offenses	10,853	30.7	15.5	2,898	70.8	28.5	8,255	17.7	12.0	1,038	21.9
1978, all offenses	12,132	37.2	18.7	3,318	78.5	30.0	8,814	21.6	14.4	1,172	24.7
1979, all offenses	10,925	44.1	21.0	3,798	85.1	32.6	7,127	22.4	14.9	1,008	25.3
1980, all offenses	9,089	33.9	15.9	2,440	89.9	31.0	6,649	15.8	10.3	498	24.5
1981, all offenses	9,884	41.0	17.9	3,485	83.9	30.8	6,399	17.8	11.1	650	25.0
1982, all offenses	11,348	38.8	18.3	3,864	81.7	29.1	7,484	18.0	10.5	503	27.9
1983, all offenses	11,888	35.4	15.9	4,388	80.8	27.0	7,500	18.3	9.7	545	20.0
1984, all offenses	15,050	35.5	15.9	4,835	78.2	28.4	10,415	17.4	10.8	552	20.2
1985, all offenses	14,937	35.5	15.9	4,511	78.6	28.6	10,426	17.7	11.3	453	21.5
1986, all offenses ⁴	15,988	34.9	15.9	4,857	78.8	28.7	12,330	18.9	11.4	299	24.0
Counterfeiting	270	33.6	15.9	84	55.5	19.5	178	21.9	14.0	8	25.0
Drug laws	4,793	43.2	19.5	1,981	88.7	34.4	2,812	25.8	16.1	98	20.6
Embezzlement	333	29.8	11.4	81	51.1	18.1	252	13.8	8.4	5	15.2
Escape, flight, or harboring a fugitive	111	30.5	16.9	21	47.1	22.3	90	26.7	16.1	5	15.0
Firearms	954	32.7	17.7	134	85.3	25.2	820	22.0	18.0	12	23.9
Forgery	470	28.0	14.9	171	48.1	19.9	299	17.8	11.9	11	19.2
Fraud	1,247	27.8	13.8	388	54.7	20.1	859	18.6	10.8	5	26.4
Immigration	4,015	5.8	3.7	206	39.1	14.8	3,809	4.0	3.1	4	20.2
Income tax	369	18.3	10.9	85	36.5	14.4	274	12.8	9.0	-	-
Kidnapping	29	251.8	85.7	19	327.0	108.5	10	108.9	40.5	5	37.8
Larceny-theft	1,330	38.9	18.3	467	59.8	23.1	863	24.8	15.8	38	17.7
Motor vehicle, interstate	225	45.4	22.1	102	66.0	21.7	123	36.7	22.4	8	19.0
Robbery	888	128.5	48.5	518	185.8	80.5	370	73.3	40.5	64	25.4
Securities, transporting false	31	58.9	40.8	8	125.0	43.9	23	31.5	15.5	-	-
White slave traffic	5	48.0	28.0	2	42.0	15.0	3	52.0	33.3	1	8.0
Military court-martial cases	11	150.7	68.0	5	185.0	84.9	5	108.8	68.2	-	-
Govt. reservation, high seas, territories, and DC	1,070	31.0	14.5	172	105.5	34.8	898	18.7	10.7	36	23.9

- Represents zero. ¹ Excludes prisoners sentenced under Youth Corrections Act. ² Includes mandatory releases. ³ Youth Corrections Act. ⁴ Includes other offenses not shown separately. Excludes 437 first releases (escapes, pardons, etc.) other than by parole, expiration of sentence, and mandatory release; also excludes 608 second or subsequent releases.
Source: U.S. Bureau of Prisons, *Statistical Report*, annual.

NO. 324. PRISONERS UNDER SENTENCE OF DEATH: 1980 TO 1987

[As of December 31. Excludes prisoners under sentence of death who remained within local correctional systems pending exhaustion of appellate process or who had not been committed to prison. These data may not match data in table 325 because of revisions to totals, but not to characteristics other than race]

CHARACTERISTIC	1980	1984	1985	1986	1987	CHARACTERISTIC	1980	1984	1985	1986	1987
Total	714	1,405	1,575	1,781	1,884	Marital status:					
White	427	804	888	1,006	1,138	Never married	286	570	655	772	858
Black and other	287	601	679	775	846	Married	229	443	487	588	571
Under 20 years	11	11	13	19	10	Divorced ²	217	382	449	484	557
20-24 years	173	215	212	217	222	Time elapsed since sentencing:					
25-34 years	334	702	804	872	959	Less than 12 months	185	279	279	295	295
35-54 years	186	453	531	639	744	12-47 months	389	594	739	757	804
55 years and over	10	24	31	34	39	48-71 months	102	228	303	376	412
Years of school completed:						72 months and over	38	204	276	355	473
7 years or less	68	121	147	184	181	Legal status at arrest:					
8 years	74	137	159	174	183	Not under sentence	354	739	351	602	1123
9-11 years	204	401	483	577	650	Parole or probation	115	278	350	409	480
12 years	182	385	440	515	591	Prison or escaped	45	65	81	82	91
More than 12 years	43	110	127	143	188	Unknown	170	321	299	295	290
Unknown	183	251	235	206	211						

¹ Revisions to the total number of prisoners were not carried to the characteristics except for race. ² Includes persons married but separated, widows, widowers, and unknown. ³ 1985 and 1986, include 20 persons; 1987, includes 22 persons on mandatory conditional release, work release, leave, AWOL, or bail.

Source: U.S. Bureau of Justice Statistics, *Capital Punishment*, annual.

NO. 325. MOVEMENT OF PRISONERS UNDER SENTENCE OF DEATH: 1975 TO 1987

[Prisoners reported under sentence of death by civil authorities. The term "under sentence of death" begins when the court pronounces the first sentence of death for a capital offense. As a result of a major procedural change, beginning 1977, all data except executions are not strictly comparable to corresponding data for earlier years. See source for explanation]

STATUS	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Under sentence of death, Jan. 1	244	420	423	483	595	667	666	1,072	1,216	1,420	1,575	1,600
Received death sentence ¹	322	156	210	173	203	250	257	283	296	281	297	299
White	145	82	123	104	125	131	186	156	173	165	164	190
Black	174	75	85	67	77	115	117	105	119	114	123	106
Dispositions other than executions	78	155	150	58	101	82	76	117	69	108	73	90
Executions	-	1	-	2	-	1	2	5	21	18	18	25
Under sentence of death, Dec. 31 ¹	466	423	469	595	667	664	1,073	1,214	1,420	1,575	1,781	1,684
White	216	229	281	354	425	486	615	694	809	898	1,008	1,138
Black	252	192	198	239	268	357	446	506	595	664	750	621

- Represents zero. ¹ Includes races other than White or Black.

Source: Through 1978, U.S. Law Enforcement Assistance Administration; thereafter, U.S. Bureau of Justice Statistics, *Capital Punishment*, annual.

NO. 326. PRISONERS EXECUTED UNDER CIVIL AUTHORITY: 1930 TO 1987

[Excludes executions by military authorities. The Army (including the Air Force) carried out 180 (148 between 1942 and 1950, 9 each in 1954, 1955, and 1957, and 1 each in 1958, 1959, and 1961). Of the total, 106 were executed for murder (including 21 involving rape), 53 for rape, and 1 for desertion. The Navy carried out no executions during the period. See also *Historical Statistics, Colonial Times to 1970*, series H 1155-1167]

YEAR OR PERIOD	Total ¹	White	Black	EXECUTED FOR MURDER			EXECUTED FOR RAPE			OTHER OFFENSES ²		
				Total ¹	White	Black	Total ¹	White	Black	Total ¹	White	Black
All years	3,999	1,794	2,093	3,364	1,697	1,647	455	48	405	79	29	31
1930-1939	1,667	627	816	1,514	603	667	-	10	115	26	14	14
1940-1949	1,264	460	761	1,084	458	595	200	19	179	20	13	7
1950-1959	717	336	378	601	316	280	102	13	89	14	7	7
1960-1969	181	90	91	145	78	65	28	6	22	6	5	3
1970-1979	10	8	2	10	8	2	-	-	-	-	-	-
1980-1987	-	-	-	-	-	-	-	-	-	-	-	-
1930-1939	3	3	-	3	3	-	-	-	-	-	-	-
1940-1949	1	1	-	1	1	-	-	-	-	-	-	-
1950-1959	2	1	1	2	1	1	-	-	-	-	-	-
1960-1969	5	4	1	5	4	1	-	-	-	-	-	-
1970-1979	21	13	8	21	13	8	-	-	-	-	-	-
1980-1987	18	11	7	18	11	7	-	-	-	-	-	-
1980-1987	18	11	7	18	11	7	-	-	-	-	-	-
1980-1987	25	13	12	25	13	12	-	-	-	-	-	-

- Represents zero. ¹ Includes races other than White or Black. ² 25 armed robbery, 20 kidnapping, 11 burglary, 8 espionage (6 in 1942 and 2 in 1953), and 6 aggravated assault.

Source: Through 1978, U.S. Law Enforcement Assistance Administration; thereafter, U.S. Bureau of Justice Statistics, *Corrections in the United States*, annual.

NO. 327. PRISONERS UNDER SENTENCE OF DEATH AND EXECUTED UNDER CIVIL AUTHORITY—STATES: 1940 TO 1987

[No executions took place in Maine, Michigan, Minnesota, New Hampshire, North Dakota, Rhode Island, and Wisconsin from 1940 to 1987. Maine, Minnesota, and Wisconsin never authorized the death penalty during the period. New Hampshire and Rhode Island authorized it for most of the 4 decades but did not apply it. Michigan abolished the penalty in 1963, and North Dakota allowed the punishment statute to lapse in 1975. Alaska and Hawaii could enter these data after receiving statehood in 1958, but neither has authorized the death penalty]

STATE	1940 to 1949	1950 to 1959	1960 to 1969	1970 to 1979 ¹	1980 to 1987 ²	STATE	1940 to 1949	1950 to 1959	1960 to 1969	1970 to 1979 ¹	1980 to 1987 ²	STATE	1940 to 1949	1950 to 1959	1960 to 1969	1970 to 1979 ¹	1980 to 1987 ²
Total ²	1,264	717	191	3	99	MA	7	1	2	-	-	OH	51	32	7	-	-
AL	50	20	5	-	3	KS	5	5	5	-	-	OK	13	7	6	-	-
AZ	9	8	4	-	-	KY	34	16	1	-	-	OR	12	4	1	-	-
AR	38	18	6	-	-	LA	47	27	1	-	15	PA	36	31	5	-	-
CA	80	74	30	-	-	MO	45	6	1	-	-	SC	61	28	8	-	2
CO	13	3	6	-	-	MA	9	-	-	-	-	SD	1	-	-	-	-
CT	10	5	1	-	-	MS	60	36	10	-	3	TN	37	8	1	-	-
DE	4	-	-	-	-	MO	15	7	4	-	-	TX	74	74	29	-	26
DC	16	4	-	-	-	MT	1	-	-	-	-	UT	4	6	1	1	1
FL	65	48	12	1	16	NE	2	2	-	-	-	VT	1	2	-	-	-
GA	120	85	14	-	12	NV	10	9	2	1	1	VA	35	23	6	-	6
ID	-	3	-	-	-	NJ	14	17	3	-	-	WA	16	8	2	-	-
IL	16	9	2	-	-	NM	2	3	1	-	-	WV	11	9	-	-	-
IN	7	2	1	-	2	NY	114	52	10	-	-	WY	2	-	1	-	-
						NC	112	19	1	-	3						

- Represents zero. ¹ One execution in 1977, none in 1978, and two in 1979. ² No executions in 1980, one in 1981, two in 1982, five in 1983, 21 in 1984, 16 in 1985 and 1986, and 25 in 1987. ³ Includes 23 Federal executions not shown by State (1940-1949, 13; 1950-1959, 9; and 1960-1969, 1).

Source: Through 1978, U.S. Law Enforcement Assistance Administration; thereafter, U.S. Bureau of Justice Statistics, *Capital Punishment*, annual.

No. 328. FIRE LOSSES—TOTAL AND PER CAPITA: 1946 TO 1987

[Prior to 1982, excludes Alaska and Hawaii. Includes allowance for uninsured and unreported losses but excludes losses to government property and forests. Based on paid losses through 1983, insured losses thereafter]

YEARLY AVERAGE	Total (mil. dol.)	YEAR	Total (mil. dol.)	Per capita ¹	YEAR	Total (mil. dol.)	Per capita ¹	YEAR	Total (mil. dol.)	Per capita ¹
1946-1950.....	643	1960.....	1,106	98.19	1968.....	1,852	89.71	1976.....	4,008	118.05
1951-1955.....	833	1961.....	1,209	8.84	1970.....	2,328	11.41	1978.....	4,851	21.80
1956-1960.....	1,045	1962.....	1,285	8.80	1971.....	2,318	11.20	1980.....	5,578	24.55
1961-1965.....	1,341	1963.....	1,406	7.48	1972.....	2,304	11.01	1981.....	5,625	24.50
1966-1970.....	1,863	1964.....	1,367	7.16	1973.....	2,639	12.48	1982.....	5,894	25.41
1971-1975.....	2,726	1965.....	1,456	7.51	1974.....	3,180	14.36	1983.....	6,320	26.98
1976-1980.....	4,352	1966.....	1,487	7.64	1975.....	3,190	14.81	1984.....	7,802	32.15
1981-1985.....	6,639	1967.....	1,707	8.66	1976.....	3,556	18.35	1985.....	7,753	32.47
		1968.....	1,830	9.29	1977.....	3,764	17.13	1986.....	8,488	36.21
								1987.....	8,504	34.98

¹ Based on Bureau of the Census estimated resident population as of July 1.

Source: 1946-1984, National Board of Fire Underwriters, New York, NY, *Report of the Committee on Statistics and Origin of Losses*; thereafter, Insurance Information Institute, New York, NY, *Insurance Facts*, annual.

No. 329. FIRES—NUMBER AND LOSS, BY TYPE AND PROPERTY USE: 1960 TO 1986

[Based on annual sample survey of fire departments. No adjustments were made for unreported fires and losses. Property loss includes direct property loss only]

TYPE AND PROPERTY USE	NUMBER (1,000)								PROPERTY LOSS (mil. dol.)							
	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975
Fires, total.....	2,888	2,893	2,838	2,327	2,343	2,371	2,271	2,254	2,254	2,254	2,254	2,254	2,254	2,254	2,254	2,254
Structure.....	1,065	1,027	946	869	848	880	800	5,454	5,978	5,731	5,828	5,891	5,437	5,837	5,837	5,837
Outside of structure ¹	87	81	54	48	45	51	50	81	61	52	36	29	63	58	58	58
Brush and rubbish.....	1,115	1,052	832	758	780	832	795	—	—	—	—	—	—	—	—	—
Vehicle.....	472	466	443	447	455	455	455	885	694	581	694	749	792	792	792	792
Other.....	249	267	263	208	205	172	170	54	45	58	43	38	32	32	32	32
Structure by property use:																
Public assembly.....	29	28	26	25	24	24	23	326	306	381	354	338	482	358	358	358
Educational.....	20	20	17	11	12	18	12	101	184	181	103	122	114	123	123	123
Institutional.....	26	27	29	23	22	23	22	25	38	17	14	16	17	19	19	19
Stores and offices.....	82	85	56	50	48	48	45	845	842	510	686	654	654	661	661	661
Residential.....	758	735	676	642	623	652	581	3,042	3,259	3,253	3,306	3,440	3,774	3,556	3,556	3,556
1-2 family units ²	591	574	538	524	506	532	468	2,447	2,713	2,794	2,792	2,945	3,217	2,992	2,992	2,992
Apartments.....	143	137	117	102	99	104	97	401	415	353	413	417	476	472	472	472
Hotels and motels.....	12	12	10	8	9	8	8	154	89	64	64	50	56	70	70	70
Other residential.....	12	10	11	7	9	8	8	40	22	22	37	28	25	22	22	22
Storage ³	65	62	64	48	48	52	46	512	516	584	473	538	583	480	480	480
Industry, utility, defense ³	55	49	42	36	35	36	34	672	776	683	763	631	672	538	538	538
Special structures.....	48	43	44	34	35	41	37	131	105	182	127	154	161	137	137	137

— Represents zero. ¹ Includes outside storage, crops, timber, etc. ² Includes mobile homes. ³ Data underreported as some incidents were handled by private fire brigades or fixed suppression systems which do not report.

Source: National Fire Protection Association, Quincy, MA, "A Look at Fire Loss in the United States During 1986", *Fire Journal*, September 1987 and prior issues. (Copyright.)

No. 330. FIRES AND PROPERTY LOSS FOR INCENDIARY AND SUSPICIOUS FIRES; AND CIVILIAN FIRE DEATHS AND INJURIES BY SELECTED PROPERTY TYPE: 1960 TO 1986

[Based on sample survey of fire departments]

ITEM	1960	1964	1966	1968	ITEM	1960	1964	1966	1968
NUMBER (1,000)					CIVILIAN FIRE DEATHS				
Structure fires, total.....	1,065	946	880	889	Deaths, total ²	6,998	5,248	5,105	5,899
Structure fires of incendiary or suspicious origin.....	146	110	117	111	Residential property.....	5,448	4,240	5,025	4,770
Fires of incendiary origin.....	92	66	69	71	One- and two-family dwellings.....	4,175	3,290	4,080	4,005
Fires of suspicious origin.....	54	44	48	40	Apartments.....	1,025	785	885	860
PROPERTY LOSS ¹ (mil. dol.)					Vehicles.....	740	630	825	735
Structure fires, total.....	5,454	5,891	6,437	5,837	CIVILIAN FIRE INJURIES				
Structure fires of incendiary or suspicious origin.....	1,760	1,417	1,870	1,677	Injuries, total ²	35,200	28,125	29,425	35,825
Fires of incendiary origin.....	1,158	883	1,089	1,182	Residential property.....	21,000	18,275	19,825	19,025
Fires of suspicious origin.....	602	534	601	515	One- and two-family dwellings.....	18,100	15,100	15,250	14,680
					Apartments.....	3,800	3,850	3,925	3,825
					Vehicles.....	4,075	3,600	3,600	3,125

¹ Direct property loss only. ² Includes other not shown separately.

Source: National Fire Protection Association, Quincy, MA, "A Look at Fire Loss in the United States During 1986", *Fire Journal*, September 1987 and prior issues. (Copyright.)



Section 6

Geography and Environment

This section presents a variety of information on the physical environment of the United States, starting with basic area measurement data and ending with climatic data for selected weather stations around the country. The subjects covered between those points are mostly concerned with environmental trends, but include such related subjects as land use and ownership, water consumption, hazardous waste sites, threatened and endangered wildlife, and expenditures for pollution abatement and control.

The information in this section is selected from a wide range of Federal agencies that compile the data for various administrative or regulatory purposes, such as the Environmental Protection Agency, Geological Survey, National Oceanic and Atmospheric Administration, and General Services Administration. Other agencies include the Bureau of the Census, which presents nationwide area measurement information; the Council on Environmental Quality (CEQ), which presents data on environmental conditions and pollutants in its annual report; and the Bureau of Economic Analysis, which compiles data on pollution abatement and control expenditures.

Area.—Area measurements were first conducted for the United States as a whole, and gradually were extended to the individual States. The annual report of the U.S. General Land Office for 1850 contained the first reference to measurements of areas of the States and Territories. In 1881, as part of the 1880 Census of Population, the Bureau of the Census laid the foundation for accurate and detailed area measurement in the United States. For the first time, an account was given of the methods and maps employed, the water bodies included, and the outer limits of the United States used as a basis for measurement. As part of the 1940 census, the Bureau published *Areas of the United States: 1940*, in which data were presented on the total land and inland water areas of the States, counties, places, and minor civil divisions. Since the 1940 census, the Bureau has published area measurement figures in each succeeding census. In 1964, the Bureau undertook a new measurement of the areas of places with at least 1,000 inhabitants, minor civil divisions, and census county divisions of the 1960 census. The results were published in *Area Measurement Reports*, series GE-20, a series of State reports and a U.S. summary. For 1980, the areas of all States and counties were completely remeasured, using newer large-scale maps and more modern equipment. The land area results for these areas are published in *1980 Census of Population*, vol. 1, chapter A reports (series PC80-1-A). Data for places and selected minor civil divisions with a population of 2,500 and over, metropolitan areas, and urbanized areas as well as States and counties are contained in the U.S. summary report. Data for States, counties, and the selected places and MCDs also are available on public use tape *Master Area Reference File (MARF) 2*.

Geography.—The Geological Survey conducts investigations, surveys, and research in the fields of geography, geology, topography, land use/land cover, mineralogy, hydrology, and geothermal energy resources as well as natural hazards. In cooperation with State and local agencies, the Geological Survey prepares and publishes topographic, land use/land cover, geologic, and hydrologic maps and data compilations. The Geological Survey provides United States cartographic data through the National Cartographic Information Center, water resources data through a multi-volume *Catalog of Information on Water Data*, and a variety of research and Open-File reports which are announced monthly in *New Publications of the Geological Survey*.

The National Ocean Service, a division of NOAA, is responsible for coastal and geodetic surveys and measurement of certain physical phenomena. Currently, its primary functions are to provide charts for marine and air navigation, to maintain a basic network of geodetic control, and to compile other basic data for engineering, scientific, commercial, industrial, and defense needs.

An inventory of the nation's land resources by type of use/cover was conducted by the Soil Conservation Service in 1982. The results, published in the *1982 National Inventory of Land Resources*, cover all non-Federal land in Puerto Rico, the Virgin Islands, and the U.S. except Alaska.

Maps prepared by the Bureau of the Census show boundaries of various types of political and statistical areas, such as places, county subdivisions, census tracts, and urbanized areas and are

available as of the specific decennial census. An inventory of most of these areas was published for the 1980 Census in *Geographic Identification Code Scheme* (PHC80-R5) and for the 1982 economic censuses in *Geographic Reference Manual* (EC82-R-1). The Census Bureau maintains a current inventory of political units and, for many entities, their legal boundaries through its Boundary and Annexation Survey.

Environment.—The CEQ is responsible for overseeing the environmental assessment process, recommending national environmental policies, analyzing changes and trends in the environment, and for reviewing Federal programs affecting the environment. It reports on environmental conditions, trends, programs and activities in its annual publication, *Environmental Quality*. The CEQ has also published unique compilations of environmental data in *Environmental Statistics, 1979*, and has recently published a new edition of *Environmental Trends*. The principal Federal agency responsible for pollution abatement and control activities is the Environmental Protection Agency (EPA). It is responsible for establishing and monitoring national air quality standards, water quality activities, solid and hazardous waste disposal, and control of toxic substances.

Air sampling, conducted by the Public Health Service, began in 17 communities in 1953; in 1957 the National Air Surveillance Network was established and, by the late 1960's, covered approximately 260 urban and 30 rural stations. The operation of the stations was decentralized in 1972 to the 10 regional EPA offices and many of the stations were in turn assimilated into State and locally operated air monitoring networks. The Network determines the extent and nature of air pollution and studies trends in levels of atmospheric contaminants.

National Ambient Air Quality Standards (NAAQS) for suspended particulate matter, sulfur dioxide, photochemical oxidants, carbon monoxide, and nitrogen dioxide were originally set by the EPA in April 1971. Every 5 years each of the NAAQS are reviewed and revised if new health or welfare data indicates that a change is necessary. The standard for photochemical oxidants now called ozone was revised in February 1979. Also, a new NAAQS for lead was promulgated in October 1978. Table 344 gives some of the health-related standards for the six air pollutants having NAAQS. Responsibility for demonstrating compliance with or progress toward achieving these standards lies with the State agencies. There are approximately 2,100 non-Federal sampling stations for suspended particulates, 550 for sulfur dioxide, 360 for carbon monoxide, 525 for ozone, 240 for nitrogen dioxide, and 240 for lead. Data from these State networks are periodically submitted to EPA's National Aerometric Data Bank for summarization in annual reports on the nationwide status and trends in air quality; for details, see *National Air Quality and Emissions Trends Report, 1986*.

Pollution abatement and control expenditures.—Data on expenditures for pollution abatement and control are compiled and published by the U.S. Bureau of Economic Analysis (BEA), the U.S. Bureau of the Census, and the CEQ as part of ongoing programs. BEA conducts surveys on national expenditures for pollution abatement and control and presents the data in its *Survey of Current Business*. The U.S. Bureau of the Census collects data on State and local government and industry expenditures on control activities. Data on government expenditures are reported in an annual series of publications, *Government Finances*, which covers expenditures on sewage and sanitation outlays. Industry data are reported annually in *Current Industrial Reports*. CEQ publishes some expenditure data in *Environmental Quality*.

Climate.—NOAA, through the National Weather Service and the National Environmental Satellite, Data and Information Service, is responsible for data on climate. NOAA maintains about 11,600 weather stations, of which over 3,000 produce autographic precipitation records, about 600 take hourly readings of a series of weather elements, and the remainder record data once a day. These data are reported monthly in the *Climatological Data* (published by State), and monthly and annually in the *Local Climatological Data* (published by location for major cities).

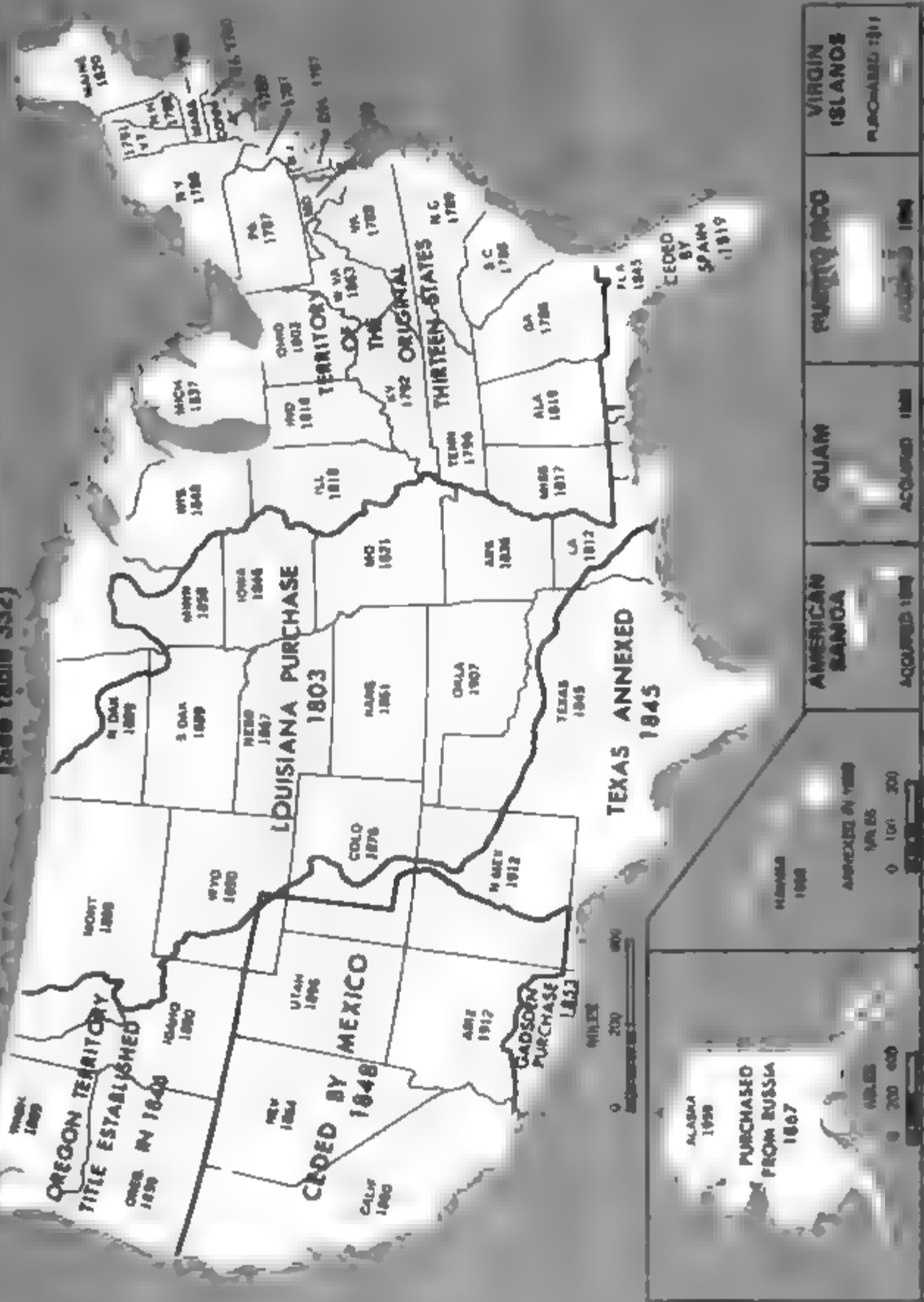
The climatological temperature, precipitation, and degree day normals listed in this publication are derived for comparative purposes and are averages for the 30-year period, 1951-80. For stations that did not have continuous records for the entire 30 years from the same instrument site, the normals have been adjusted to provide representative values for the current location. The information in all other tables is based on data from the beginning of the record at that location through 1987, except as noted.

The degree day normals are used to determine relative estimates of heating and cooling requirements for buildings. Each degree that the average temperature for a day is below 65 degrees F produces one heating degree day. For example, if the maximum temperature is 70 degrees F and the minimum temperature is 52 degrees F, the average temperature for the day is 61 degrees, resulting in four (4) heating degree days. Cooling degree days are calculated in a similar fashion for each degree that the average temperature is above 65 degrees F. The monthly degree day normals represent the average accumulation of the daily values for the month.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.



(See table 332)



NO. 331. AREA OF STATES AND OTHER AREAS: 1980

(One square mile = 2.59 square kilometers. See *Historical Statistics, Colonial Times to 1970*, series A 210-263, for land area)

DIVISION AND STATE OR OTHER AREA	Year admitted to statehood	TOTAL AREA			LAND AREA ¹		WATER AREA ²	
		Rank	Sq. mi.	Sq. km.	Sq. mi.	Sq. km.	Sq. mi.	Sq. km.
United States	(x)	(x)	3,518,770	9,172,514	3,538,288	9,198,798	79,481	206,866
New England	(x)	(x)	68,672	172,881	63,012	163,201	3,660	9,480
Maine	1820	36	33,285	86,156	30,995	80,277	2,270	5,879
New Hampshire	³ 1788	44	9,270	24,032	8,993	23,292	268	739
Vermont	1791	43	9,614	24,900	9,273	24,017	341	883
Massachusetts	³ 1780	45	8,264	21,456	7,824	20,265	480	1,191
Rhode Island	³ 1790	50	1,212	3,140	1,055	2,732	156	406
Connecticut	³ 1788	48	5,018	12,997	4,872	12,618	147	380
Middle Atlantic	(x)	(x)	102,203	264,707	98,733	254,308	2,470	6,388
New York	³ 1788	30	48,108	127,190	47,377	122,707	1,731	4,483
New Jersey	³ 1787	46	7,767	20,169	7,468	19,342	319	827
Pennsylvania	³ 1787	33	45,308	117,348	44,888	116,260	420	1,088
East North Central	(x)	(x)	248,540	643,719	243,861	631,888	4,579	11,888
Ohio	1803	35	41,330	107,044	41,004	106,201	325	843
Indiana	1816	38	36,185	93,720	35,932	93,064	253	658
Illinois	1818	24	58,345	145,934	55,845	144,120	700	1,814
Michigan	1837	23	58,527	151,586	56,954	147,511	1,573	4,075
Wisconsin	1848	26	58,153	145,436	54,426	140,964	1,727	4,472
West North Central	(x)	(x)	517,826	1,341,168	508,132	1,316,063	8,889	23,194
Minnesota	1858	12	84,402	218,601	79,548	206,030	4,854	12,571
Iowa	1846	25	56,275	145,753	55,965	144,950	310	803
Missouri	1821	19	69,697	180,516	68,945	178,568	752	1,948
North Dakota	1889	17	70,702	183,119	69,300	179,488	1,403	3,633
South Dakota	1889	16	77,116	199,730	75,952	196,715	1,184	3,014
Nebraska	1867	15	77,385	200,350	76,844	198,508	711	1,842
Kansas	1861	14	82,277	213,098	81,778	211,806	499	1,283
South Atlantic	(x)	(x)	278,926	722,420	268,810	691,296	12,017	31,123
Delaware	³ 1787	49	2,045	5,296	1,832	5,005	112	290
Maryland	³ 1788	42	10,460	27,092	9,837	25,477	623	1,615
District of Columbia	(x)	(x)	69	178	63	162	6	16
Virginia	³ 1786	36	40,767	105,586	39,704	102,832	1,063	2,754
West Virginia	1863	41	24,232	62,760	24,119	62,488	112	291
North Carolina	³ 1789	28	52,669	136,413	48,843	126,504	3,826	9,899
South Carolina	³ 1788	40	31,113	80,582	30,203	78,227	908	2,355
Georgia	³ 1788	21	58,910	152,676	58,056	150,365	854	2,211
Florida	1845	22	58,654	151,939	54,153	140,256	4,511	11,683
East South Central	(x)	(x)	181,847	471,243	178,824	463,184	3,123	8,080
Kentucky	1792	37	40,410	104,880	39,680	102,743	740	1,917
Tennessee	1796	34	42,144	109,152	41,155	106,591	989	2,561
Alabama	1819	29	51,705	133,915	50,767	131,487	938	2,428
Mississippi	1817	32	47,899	123,515	47,233	122,333	457	1,183
West South Central	(x)	(x)	437,701	1,133,848	427,371	1,108,633	10,430	27,013
Arkansas	1836	27	53,187	137,754	52,078	134,863	1,109	2,872
Louisiana	1812	31	47,752	123,677	44,521	115,310	3,230	8,386
Oklahoma	1907	18	69,928	181,186	68,855	177,817	1,301	3,369
Texas	1846	2	268,907	691,030	262,017	678,623	4,790	12,407
Mountain	(x)	(x)	863,543	2,238,828	855,193	2,214,851	8,388	21,677
Montana	1889	4	147,048	380,848	145,388	376,556	1,658	4,293
Idaho	1890	13	83,564	216,432	82,412	213,447	1,153	2,985
Wyoming	1890	9	97,809	253,326	96,989	251,202	820	2,125
Colorado	1876	8	104,091	269,598	103,595	268,311	496	1,285
New Mexico	1912	6	121,583	314,925	121,335	314,258	258	667
Arizona	1912	8	114,000	295,260	113,508	293,985	492	1,274
Utah	1896	11	84,899	219,889	82,073	212,569	2,826	7,320
Nevada	1864	7	110,581	286,352	109,884	284,624	687	1,778
Pacific	(x)	(x)	921,382	2,396,406	896,253	2,321,296	25,140	65,112
Washington	1889	20	68,139	176,479	66,511	172,264	1,627	4,215
Oregon	1859	10	97,073	251,419	96,184	249,117	889	2,302
California	1850	3	158,706	411,049	158,299	404,814	2,407	6,235
Alaska	1959	1	591,004	1,530,700	570,833	1,478,458	20,171	52,243
Hawaii	1959	47	6,471	16,759	6,425	16,641	46	118
Other areas:								
Puerto Rico	(x)	(x)	3,515	9,104	3,459	8,959	56	145
American Samoa	(x)	(x)	77	199	77	199	-	-
Guam	(x)	(x)	209	541	209	541	-	-
Virgin Islands of the U.S.	(x)	(x)	132	342	132	342	1	3
Pacific Islands Trust Territory of the U.S.	(x)	(x)	533	1,381	533	1,381	-	-
Marshall Islands	(x)	(x)	184	477	184	477	-	-

Represents zero. X Not applicable. ¹ Dry land and land temporarily or partially covered by water, such as marshland, swamps, etc. streams and canals under one-eighth statute mile wide, and lakes, reservoirs, and ponds under 40 acres in area.

² Permanent inland water surface, such as lakes, reservoirs, and ponds having an area of 40 acres or more; streams, sloughs, estuaries, and canals one-eighth statute mile or more in width; deeply indented embayments and sounds, and other coastal waters behind or sheltered by headlands or islands separated by less than 1 nautical mile of water and islands under 40 acres in area. Excludes areas of oceans, bays, sounds, etc. lying within U.S. jurisdiction but not defined as inland water. ³ Year of ratification of Constitution one of the original 13 States. ⁴ Under trusteeship, administered by the United States since July 15, 1947 under United Nations Trusteeship system. Northern Mariana Islands is legally part of Pacific Islands, Trust Territory of the, but both are recognized as separate entities for census purposes.

Source: U.S. Bureau of the Census, *1980 Census of Population*, vol. 1, part A (PC80-1-A), and unpublished data.

No. 332. TERRITORIAL EXPANSION OF THE UNITED STATES AND ACQUISITIONS OF OTHER AREAS

[One square mile=2.59 square kilometers. Boundaries of all territories listed under "United States" were indefinite, at least in part, at time of acquisition. Area figures shown here represent precise determinations of specific territories which have been marked upon maps, based upon interpretations of the several treaties of cession, which are necessarily debatable. These determinations were made by a committee consisting of representatives of various governmental agencies in 1912. Subsequently these figures were adjusted to bring them into agreement with remeasurements made in 1990. See also *Historical Statistics, Colonial Times to 1970*, series J 1-2]

ACCESSION	Acqui- sition date	GROSS AREA (land and water)		ACCESSION	Acqui- sition date	GROSS AREA (land and water)	
		Sq. mi.	Sq. km.			Sq. mi.	Sq. km.
Total	(x)	3,623,434	9,384,884	Other areas:			
United States	(x)	3,618,770	9,372,614	Puerto Rico	² 1898	3,515	9,104
Territory in 1790 ¹	(x)	891,364	2,306,633	Guam	³ 1898	209	541
Louisiana Purchase	1803	831,321	2,153,121	American Samoa	⁴ 1898	77	199
Purchase of Florida	1819	69,886	180,953	Virgin Islands of the			
Texas	1845	384,958	997,041	U.S.	1917	132	342
Oregon	1846	283,439	734,107	Pacific Islands,			
Mexican Cession	1848	530,708	1,374,529	Trust Territory of the ⁵ ..	1947	533	1,380
Gadsden Purchase	1853	29,640	76,768	No. Mariana Islands ⁶	1947	184	477
Alaska	1867	591,004	1,530,700	All other ⁶	(x)	14	36
Hawaii	1898	6,471	16,760				

X Not applicable. ¹ Includes that part of drainage basin of Red River of the North, south of 49th parallel, sometimes considered part of Louisiana Purchase. ² Ceded by Spain in 1898, ratified in 1899, and became Commonwealth of Puerto Rico by Act of Congress on July 25, 1952. ³ Acquired 1898; ratified 1899. ⁴ Acquired 1899; ratified 1900. ⁵ Land area only. Under trusteeship; see table 3, footnote 5. ⁶ Comprises the following islands with gross areas as indicated, in sq. mi.: Midway (2), Wake (3), Palmyra (4), Navassa (2), Baker, Howland, and Jarvis (combined area, 3), Johnston Atoll (combined area, less than .5), and Kingman Reef (less than .5). Excludes Canton and Enderbury Islands (combined area 27 sq. mi. or 73 sq. km.), which are considered to be under the jurisdiction of Kiribati since 1979, and Swan Islands (1 sq. mi.), which were returned to Honduras in 1972.

Source: U.S. Bureau of the Census, unpublished data.

No. 333. LAND UTILIZATION, BY TYPE: 1959 TO 1982

[See *Historical Statistics, Colonial Times to 1970*, series J 50-86, J 71, and J 76, for similar data]

TYPE	LAND (mil. acres)					PERCENT				
	1959	1963	1974	1978	1982	1959	1963	1974	1978	1982
Total land area ¹	2,271	2,264	2,264	2,264	2,265	100.0	100.0	100.0	100.0	100.0
LAND USE										
Cropland used for crops ²	359	333	361	369	363	15.8	14.7	16.0	16.3	16.9
Idle cropland	33	51	21	26	21	1.5	2.3	.9	1.1	.9
Cropland used only for pasture	86	88	83	76	65	2.9	3.9	3.7	3.4	2.9
Grassland pasture ³	633	604	598	587	597	27.9	26.7	26.4	25.9	26.4
Forest land ⁴	728	723	718	703	655	32.1	31.9	31.7	31.1	28.9
Special uses	146	172	182	158	⁵ 270	6.4	7.6	8.0	7.0	⁶ 11.9
Urban areas ⁶	24	31	35	(⁷)	(⁷)	1.1	1.4	1.5	(⁷)	(⁷)
Transportation areas ⁸	25	26	26	27	27	1.1	1.2	1.2	1.2	1.2
Recreation areas ⁹	44	49	52	57	⁵ 116	1.9	2.2	2.3	2.5	⁶ 5.1
Wildlife areas ¹⁰	17	32	36	41	⁵ 95	.8	1.4	1.6	1.8	⁶ 4.2
National defense and industrial ¹¹	26	26	25	25	24	1.1	1.1	1.1	1.1	1.1
Farmsteads, farm roads, and lanes	10	8	8	8	8	.4	.4	.4	.4	.4
Other land ¹²	306	293	301	⁷ 345	⁶ 274	13.5	12.9	13.2	⁷ 15.2	⁶ 12.1
LAND OWNERSHIP										
Private land ¹³	1,332	1,317	1,316	1,315	1,329	58.7	58.2	58.1	58.1	58.7
Indian lands ¹⁴	53	50	51	52	51	2.3	2.2	2.3	2.3	2.2
Public land, total	888	897	897	897	885	39.0	39.6	39.6	39.6	39.1
Federal	765	763	761	742	730	33.7	33.7	33.6	32.8	32.2
State and local	121	134	136	155	155	5.3	5.9	6.0	6.8	6.8

¹ Changes in total land area are due to variable methods and materials used in periodic remeasurements, and to the construction of artificial reservoirs. ² Cropland harvested, crop failure, and cultivated summer fallow. ³ Grassland and other nonforest pasture and range. ⁴ Excludes reserved forest land in parks and other special uses of land. Includes forest grazing land. ⁵ Changes in use between 1978 and 1982 are primarily the result of reclassification and change in use of 107 million acres of Alaskan lands to parks (+55 million acres), wilderness areas (+53 million acres), and other special uses (-1 million acres). ⁶ Estimated area in urbanized areas and places of 2,500 or more population outside urbanized areas. ⁷ Data for urban areas included in other land. ⁸ Represents rural highway, road, and railroad rights-of-way, and airports. ⁹ Area in National and State parks and related recreation areas, including area in national wilderness and primitive areas. ¹⁰ Acreage administered by Federal and State agencies primarily for wildlife protection and propagation. ¹¹ Areas administered by the Dept. of Defense for military purposes and by the Department of Energy. ¹² Miscellaneous areas such as marshes, open swamps, bare rock area, deserts, and tundra, and various other uses not inventoried. ¹³ Land owned by individuals, partnerships, and corporations. ¹⁴ Managed in trust by Bureau of Indian Affairs.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Major Uses of Land in the United States: 1982*, AER 535, June 1985, and earlier reports in the series.

NO. 334. AREA AND ACQUISITION OF THE FEDERAL PUBLIC DOMAIN: 1781 TO 1986

[In millions of acres. Areas of acquisitions are as computed in 1912, and do not agree with figures in square miles shown in table 332 which include later adjustments and reflect subsequent measurement. Excludes outlying areas of the United States amounting to 645,949 acres in 1978. See also *Historical Statistics, Colonial Times to 1870*, series J 3-6.]

YEAR	Land area, total	YEAR	LAND AREA ¹			YEAR AND ACQUISITION	ACREAGE		
			Total	Public domain	Acquired		Total	Land	In-land water
1802.....	200.0	1973.....	781.0	704.8	86.2	Aggregate.....	1,357.8	1,354.7	28.1
1880.....	1,200.0	1974.....	780.5	703.8	86.7	1781-1882 (State Cessions).....	236.8	232.4	3.4
1880.....	900.0	1975.....	780.4	702.9	87.5	1803, Louisiana Purchase ²	529.9	523.4	6.5
1912.....	800.0	1976.....	782.2	702.9	89.4	1819, Cession from Spain.....	46.1	43.3	2.8
1948.....	413.0	1977.....	741.5	683.3	68.2	Red River Basin ³	29.8	29.1	.8
1960.....	412.0	1978.....	775.2	712.0	88.3	1846, Oregon Compromise.....	183.4	180.8	2.7
1965.....	407.9	1979.....	744.1	684.3	88.9	1846, Mexican Cession ³	398.7	394.6	4.2
1968.....	786.6	1980.....	719.5	648.0	71.5	1850, Purchase from Texas.....	78.9	78.9	.1
1980.....	771.5	1981.....	730.8	688.7	62.2	1903, Gadsden Purchase.....	19.0	19.0	(2)
1985.....	765.8	1982.....	729.9	670.0	69.9	1957, Alaska Purchase.....	375.3	362.5	12.8
1970.....	761.3	1983.....	732.0	673.4	68.6				
1971.....	760.2	1984.....	733.8	688.9	67.7				
1972.....	760.7	1985.....	726.7	665.2	70.5				
		1986.....	727.1	662.7	84.4				

² Less than 50,000. ¹ Owned by Federal Government. Comprises original public domain plus acquired lands. Estimated from imperfect data available for indicated years. Prior to 1880, excludes Alaska, and 1960, Hawaii. Source: Beginning 1985, U.S. General Services Administration, *Inventory Report on Real Property Owned by the United States Throughout the World*, annual.

³ Data for Louisiana Purchase exclude areas ceded by Treaty of 1819 with Spain. Such areas are included in figures for Mexican Cession. ⁴ Represents drainage basin of Red River of the North, south of 46th parallel. Authorities differ as to method and date of its acquisition. Some hold it as part of Louisiana Purchase; others, as acquired from Great Britain.

Source: Except as noted, U.S. Dept. of the Interior, Bureau of Land Management; all other data, Office of the Secretary, *Areas of Acquisitions to the Territory of the U.S., 1922*.

NO. 335. TOTAL AND FEDERALLY OWNED LAND, 1960 TO 1986, AND BY STATE, 1986

[As of end of fiscal year; see text, section 8. Total land area figures are not comparable with those in table 331. For composition of regions, see fig. 1, inside front cover.]

YEAR, REGION, DIVISION, AND STATE	Total (1,000 acres)	Not owned by Federal Government (1,000 acres)	OWNED BY FEDERAL GOVERNMENT ¹		DIVISION AND STATE	Total (1,000 acres)	Not owned by Federal Government (1,000 acres)	OWNED BY FEDERAL GOVERNMENT ¹	
			Acres (1,000)	Per cent				Acres (1,000)	Per cent
1960.....	2,273,407	1,501,894	771,512	33.9	W. No. Cont.....	328,181	314,538	11,643	3.6
1965.....	2,271,343	1,505,548	765,797	33.5	MT.....	51,206	47,746	3,460	6.8
1970.....	2,271,343	1,510,042	761,301	33.5	IA.....	35,680	35,700	180	.4
1975.....	2,271,343	1,510,829	760,414	33.5	MO.....	44,248	42,178	2,072	4.7
1976.....	2,271,343	1,509,151	762,182	33.5	ND.....	44,452	42,510	1,942	4.4
1977.....	2,271,343	1,529,834	741,509	32.6	SD.....	48,862	46,149	2,733	5.6
1978.....	2,271,343	1,495,094	775,249	34.1	NE.....	49,032	48,317	714	1.5
1979.....	2,271,343	1,533,545	744,146	32.8	KS.....	52,511	51,930	582	1.1
1980.....	2,271,343	1,551,622	719,522	31.7	So. Atl.....	171,324	187,489	13,865	8.1
1981.....	2,271,343	1,540,528	730,815	32.2	DE.....	1,268	1,238	30	2.4
1982.....	2,271,343	1,541,522	729,821	32.1	MD.....	6,319	6,122	197	3.1
1983.....	2,271,343	1,539,301	732,042	32.2	VA.....	39	28	11	27.8
1984.....	2,271,343	1,544,788	726,559	32.0	DC.....	25,486	23,041	2,445	9.6
1986.....	2,271,343	1,544,658	726,686	32.0	WV.....	15,411	14,248	1,165	7.6
1986, total.....	2,271,343	1,544,658	726,686	32.0	NC.....	31,409	29,184	2,225	7.1
Region:					SC.....	19,374	18,206	1,168	6.0
Northeast.....	104,689	101,138	3,551	3.4	GA.....	37,295	34,966	2,329	6.2
Midwest.....	482,889	464,529	18,361	3.8	FL.....	34,721	30,441	4,280	12.3
South.....	561,238	532,430	28,808	5.1	E. So. Cont.....	115,141	108,843	6,298	5.4
West.....	1,122,536	446,137	676,400	60.3	KY.....	25,512	24,112	1,401	5.5
N. Eng.....	40,401	39,687	1,314	3.3	TN.....	28,725	24,740	1,985	7.4
ME.....	19,848	19,697	150	.8	AL.....	32,678	31,547	1,132	3.5
NH.....	5,766	5,029	740	12.6	MS.....	30,223	28,544	1,679	5.6
VT.....	5,937	5,815	322	5.4	W. So. Cont.....	374,773	368,998	5,775	1.5
MA.....	5,035	4,952	83	1.6	AR.....	33,599	30,200	3,399	10.1
RI.....	877	872	5	.7	LA.....	26,868	27,686	1,161	4.1
CT.....	3,136	3,122	14	.4	OK.....	44,088	43,220	867	2.0
Mid. Atl.....	64,298	62,448	1,850	2.9	TX.....	186,218	184,882	3,336	2.0
NY.....	30,681	29,221	1,460	4.8	MS.....	346,448	278,897	268,543	48.9
NJ.....	4,813	4,662	151	3.1	MT.....	69,271	65,035	28,286	30.3
PA.....	28,804	28,166	638	2.2	ID.....	52,933	19,174	33,759	63.8
E. No. Cont.....	186,878	180,801	6,078	4.9	WY.....	52,343	30,912	31,431	50.4
OH.....	26,222	25,900	322	1.2	CO.....	66,486	42,297	24,189	36.4
IN.....	23,158	22,721	437	1.9	NM.....	77,766	61,896	25,871	33.3
IL.....	35,795	35,295	500	1.4	AZ.....	72,868	41,015	31,873	43.6
MI.....	36,492	35,898	594	1.6	UT.....	52,697	19,128	33,569	63.7
WI.....	35,011	34,122	1,889	5.4	NV.....	70,264	10,450	59,816	85.1
					Pa.....	674,898	186,230	487,667	71.9
					WA.....	42,894	30,235	12,659	29.5
					OR.....	61,598	31,567	30,031	48.8
					CA.....	100,307	53,884	46,423	46.2
					AK.....	980,462	47,125	318,357	32.5
					HI.....	4,106	3,418	687	16.7

¹ Excludes trust properties.

Source: U.S. General Administration, *Inventory, Report on Real Property Owned by the United States Throughout the World*, annual.

NO. 398. LAND COVER/USE, BY STATE, 1982

In thousands of acres. Excludes Alaska and District of Columbia

STATE	Total Land Area ¹	Land Cover/Use							
		Federal Land Area	State Land Area	Urban and Rural Land	Non- Forest Land	Forest Land	Barren Land	Water Area	Other Land
United States	1,987,725	494,888	1,492,837	48,416	28,914	1,412,911	492,884	192,388	492,914
Alabama	38,897	384	31,553	639	639	28,897	4,516	3,817	38,897
Alaska	72,888	32,336	40,552	771	281	38,582	1,386	79	4,788
Arizona	34,848	1,114	32,221	636	549	28,778	8,182	3,784	14,348
California	161,572	45,532	54,471	1,386	1,887	48,888	18,518	1,386	18,132
Colorado	68,818	23,811	48,888	672	639	41,271	18,888	1,386	24,388
Connecticut	3,212	9	1,188	389	36	2,481	246	114	1,888
Delaware	1,388	38	1,384	138	36	1,888	518	36	388
Florida	37,546	1,128	31,538	2,778	681	27,738	3,887	4,873	12,438
Georgia	37,782	2,888	35,878	1,882	384	32,536	6,888	2,877	21,888
Hawaii	4,141	342	3,771	138	36	3,618	338	874	4,141
Idaho	52,481	32,445	19,448	188	236	18,834	6,388	1,274	6,738
Illinois	38,881	488	35,137	1,846	878	32,878	24,727	1,157	1,438
Indiana	22,138	488	22,514	1,182	517	28,887	13,781	2,212	2,888
Iowa	38,816	172	35,844	638	1,881	33,788	28,441	4,538	1,738
Kansas	52,888	388	51,788	721	1,184	48,888	23,118	2,241	18,888
Kentucky	25,882	1,125	24,278	638	578	22,888	5,884	5,888	18,138
Louisiana	38,881	1,184	27,188	638	548	25,238	8,438	2,388	241
Maine	21,238	138	18,782	212	278	18,888	388	388	18,778
Maryland	6,888	138	6,114	783	114	5,173	1,784	534	2,438
Massachusetts	5,382	88	4,883	638	128	3,838	387	382	2,278
Michigan	37,457	3,887	30,386	1,386	873	30,386	8,443	2,811	15,388
Minnesota	54,817	3,373	47,457	384	1,154	45,888	23,884	3,838	188
Mississippi	38,521	1,818	28,558	582	538	27,883	7,415	3,873	15,243
Missouri	44,888	2,884	41,888	1,117	877	38,543	14,888	12,573	188
Montana	84,188	27,187	65,847	187	784	64,888	17,187	3,888	37,837
Nebraska	48,887	638	48,443	415	638	48,888	28,277	2,136	23,888
Nevada	78,738	88,188	18,158	138	182	8,783	888	384	7,888
New Hampshire	5,033	727	5,033	238	188	4,883	138	136	4,888
New Jersey	4,884	146	4,836	1,183	88	3,342	388	246	1,848
New Mexico	77,818	28,438	51,247	287	382	50,536	2,413	188	48,882
New York	31,428	237	30,884	1,811	384	27,388	5,812	3,872	18,817
North Carolina	33,788	2,116	28,111	1,822	727	28,481	6,888	1,886	18,738
North Dakota	45,238	1,878	42,434	188	1,038	41,821	27,836	1,272	10,848
Ohio	28,451	346	25,882	2,187	848	22,888	12,447	2,714	6,388
Oklahoma	44,772	1,182	42,788	681	788	40,786	11,588	7,138	18,888
Oregon	62,127	32,122	28,332	526	386	28,281	4,388	1,038	8,382
Pennsylvania	28,887	886	28,888	2,873	613	25,144	5,888	2,888	15,388
Rhode Island	778	4	672	140	14	588	27	36	488
South Carolina	18,812	1,158	18,173	838	473	16,881	3,578	1,288	11,888
South Dakota	48,354	2,824	48,782	231	838	44,588	18,847	2,788	22,784
Tennessee	28,872	1,343	24,888	1,088	588	23,188	51,582	5,388	11,528
Texas	170,756	2,888	164,786	4,388	2,234	157,431	33,388	17,843	8,324
Utah	54,336	35,818	18,788	274	152	18,247	2,838	488	8,488
Vermont	6,153	315	5,819	87	101	5,377	848	381	4,887
Virginia	28,881	2,347	28,888	1,218	328	21,282	3,387	3,382	13,828
Washington	43,888	12,474	30,882	888	482	28,482	7,783	1,346	5,637
West Virginia	18,888	1,184	14,338	312	288	13,722	1,883	1,888	10,423
Wisconsin	35,888	1,888	33,884	1,125	778	30,888	11,457	3,384	13,388
Wyoming	62,888	28,315	32,883	148	338	32,248	2,587	755	28,815

- Represents zero. ¹ Includes 107.9 million acres of water areas and minor land cover/uses not shown separately.² Includes 58.55 million acres of minor land cover/uses not shown separately.

Source: U.S. Dept. of Agriculture, Soil Conservation Service and Iowa State University, Statistical Laboratory, Statistical Bulletin No. 758, Basic Statistics—1982 National Resources Inventory, September 1987.

No. 337. EXTREME AND MEAN ELEVATIONS—STATES AND OTHER AREAS

(One foot = .305 meter)

STATE OR OTHER AREA	HIGHEST POINT			LOWEST POINT			APPROXIMATE MEAN ELEVATION	
	Name	Elevation		Name	Elevation		Feet	Meters
		Feet	Meters		Feet	Meters		
U.S.	Mt. McKinley (AK)	28,238	8,198	Death Valley (CA)	—68	—20	2,800	783
AL	Cheaha Mountain	2,407	734	Gulf of Mexico	0	0	500	153
AK	Mount McKinley	20,320	6,198	Pacific Ocean	0	0	1,900	580
AZ	Humphreys Peak	12,633	3,853	Colorado River	0	0	4,100	1,251
AR	Magazine Mountain	2,783	840	Quachita River	55	17	650	198
CA	Mount Whitney	14,494	4,421	Death Valley	—282	—86	2,900	885
CO	Mt. Elbert	14,433	4,402	Arkansas River	3,350	1,022	6,800	2,074
CT	Mt. Frissell, on South slope	2,380	726	Long Island Sound	0	0	500	153
DE	Ebright Road, New Castle County	442	135	Atlantic Ocean	0	0	60	18
DC	Tenleytown	410	125	Potomac River	0	0	150	46
FL	Sec. 30, T8N, R20W, Walton County	345	105	Atlantic Ocean	0	0	100	31
GA	Brasstown Bald	4,784	1,458	Atlantic Ocean	0	0	800	244
HI	Mauna Kea	13,796	4,208	Pacific Ocean	0	0	3,030	924
ID	Borah Peak	12,662	3,852	Snake River	710	217	5,000	1,525
IL	Charles Mound	1,235	377	Mississippi River	279	85	800	244
IN	Franklin Twp., Wayne Co.	1,257	383	Ohio River	320	98	700	214
IA	Sec. 29, T100N, R41W, Osceola County	1,670	509	Mississippi River	480	146	1,100	336
KS	Mount Sunflower	4,039	1,232	Verdigris River	880	267	2,000	610
KY	Black Mountain	4,145	1,264	Mississippi River	257	78	750	229
LA	Driskill Mountain	535	163	New Orleans	—5	—2	100	31
ME	Mount Katahdin	5,268	1,607	Atlantic Ocean	0	0	800	244
MD	Backbone Mountain	3,380	1,025	Atlantic Ocean	0	0	350	107
MA	Mount Greylock	3,491	1,065	Atlantic Ocean	0	0	500	153
MI	Mount Arvon	1,878	584	Lake Erie	572	174	900	275
MN	Eagle Mountain, Cook Co.	2,301	702	Lake Superior	602	184	1,200	366
MS	Woodall Mountain	806	246	Gulf of Mexico	0	0	300	92
MO	Taum Sauk Mountain	1,772	540	St. Francis River	280	70	800	244
MT	Granite Peak	12,799	3,904	Kootenai River	1,800	549	3,400	1,037
NE	Johnson Twp., Kimball Co.	5,426	1,655	Southeast corner of State	840	256	2,800	798
NV	Boundary Peak	13,143	4,009	Colorado River	470	143	5,500	1,678
NH	Mount Washington	6,288	1,918	Atlantic Ocean	0	0	1,000	305
NJ	High Point	1,803	550	Atlantic Ocean	0	0	250	76
NM	Wheeler Peak	13,161	4,014	Red Bluff Reservoir	2,817	868	5,700	1,738
NY	Mount Marcy	5,344	1,630	Atlantic Ocean	0	0	1,000	305
NC	Mount Mitchell	6,684	2,038	Atlantic Ocean	0	0	700	214
ND	White Butte, Slope Co.	3,508	1,069	Red River	760	229	1,900	580
OH	Campbell Hill	1,580	473	Ohio River	438	132	850	259
OK	Black Mesa	4,973	1,517	Little River	287	88	1,300	397
OR	Mount Hood	11,239	3,428	Pacific Ocean	0	0	3,300	1,007
PA	Mount Davis	3,213	980	Delaware River	0	0	1,100	336
RI	Jerimoth Hill	812	248	Atlantic Ocean	0	0	200	61
SC	Sassafras Mountain	3,580	1,086	Atlantic Ocean	0	0	350	107
SD	Harney Peak	7,242	2,209	Big Stone Lake	962	293	2,200	671
TN	Clingmans Dome	6,643	2,026	Mississippi River	182	56	900	275
TX	Guadalupe Peak	8,749	2,668	Gulf of Mexico	0	0	1,700	518
UT	Kings Peak	13,526	4,128	Beaverdam Creek	2,000	610	6,100	1,861
VT	Mount Mansfield	4,263	1,300	Lake Champlain	95	29	1,000	305
VA	Mount Rogers	5,728	1,747	Atlantic Ocean	0	0	950	290
WA	Mount Rainier	14,410	4,395	Pacific Ocean	0	0	1,700	519
WV	Spruce Knob	4,863	1,483	Potomac River	240	73	1,500	458
WI	Timms Hill	1,951	595	Lake Michigan	581	177	1,050	320
WY	Gannett Peak	13,804	4,210	Belle Fourche River	3,100	945	6,700	2,044
Other areas								
PR	Cerro de Punta	4,389	1,339	Atlantic Ocean	0	0	1,500	458
Am. Samoa	Lata Mountain	3,180	964	Pacific Ocean	0	0	1,300	397
GU	Mount Lamlam	1,329	405	Pacific Ocean	0	0	330	101
VI	Crown Mountain	1,558	475	Atlantic Ocean	0	0	750	229

Z Less than 5 meter Sea level. "Sec." denotes section; "T," township; "R," range; "N," north; "W," west.

Source: U.S. Geological Survey, *Elevations and Distances in the United States*, 1980.

No. 338. LENGTHS OF PRINCIPAL NORTH AMERICAN RIVERS

[Comprises rivers 600 miles or more in length. Length represents distance to designated outflow from (a) original headwater of named river where name applies to entire length of channel, or (b) upper limit of channel so named, usually the junction of 2 tributaries or headwater streams. One mile = 1.609 kilometers]

RIVER/OUTFLOW	LENGTH		RIVER/OUTFLOW	LENGTH	
	Miles	Kilo-meters		Miles	Kilo-meters
Alabama-Coosa/Mobile River	600	966	Mississippi-Missouri-Red Rock/mouth of SW Pass	3,710	5,970
Albany/James Bay	610	981	Missouri/Mississippi River	2,315	3,725
Arkansas/Mississippi River	1,459	2,348	Missouri-Red Rock/Mississippi River	2,540	4,090
Black/Chantry Inlet	600	965	Mobile-Alabama-Coosa/Mobile Bay	645	1,040
Brazos/Gulf of Mexico	923	1,490	North Canadian/Canadian River	488	785
Canadian/Arkansas River	906	1,458	North Platte/Platte River	618	994
Churchill/Hudson Bay	1,000	1,609	Ohio/Mississippi River	981	1,578
Cimarron/Arkansas River	600	965	Ohio-Allegheny/Mississippi River	1,306	2,101
Colorado (U.S.-Mex.)/Gulf of California	1,450	2,333	Ottawa/St. Lawrence	790	1,271
Colorado (Texas)/Matagorda Bay	862	1,387	Ouachita/Red River	605	973
Columbia/Pacific Ocean	1,243	2,000	Peace/Slave River	6,210	1,947
Columbia, Upper/to mouth of Snake River	890	1,432	Pecos/Rio Grande	926	1,490
Cumberland/Ohio River	720	1,158	Red (OK-TX-LA)/Mississippi River	1,179	1,897
Fraser/Strait of Georgia	850	1,368	Rio Grande/Gulf of Mexico	1,760	2,840
Gila/Colorado River	649	1,044	St. Lawrence/Lake Ontario	800	1,287
Green (UT-WY)/Colorado River	730	1,175	Saskatchewan N./Lake Winnipeg	800	1,290
James (ND-SD)/Missouri River	710	1,142	Saskatchewan S./Lake Winnipeg	865	1,390
Kuskokwim/Kuskokwim Bay	724	1,165	Severn (Ontario)/Hudson Bay	610	981
Liard/Mackenzie River	693	1,115	Snake/Columbia River	1,038	1,670
Mackenzie/Arctic Ocean	800	1,448	Tanana/Yukon River	659	1,060
Milk/Missouri River	625	1,006	Tennessee/Ohio River	652	1,049
Mississippi/Mouth of SW Pass	2,348	3,778	Tennessee-French Broad/Ohio River	883	1,421
Mississippi, Upper/to mouth of Missouri River	1,171	1,884	White (AR-MO)/Mississippi River	720	1,158
			Yellowstone/Missouri River	692	1,110
			Yukon/Bering Sea	1,979	3,185

Source: U.S. Geological Survey, unpublished data.

No. 339. WATER AREA, OTHER THAN INLAND WATER—STATES

[Includes only that portion of body of water under the jurisdiction of the United States, excluding Alaska and Hawaii. Excludes inland waters; see footnote 2, table 1. One square mile = 2.59 square kilometers]

BODY OF WATER	AREA		BODY OF WATER	AREA	
	Sq. mi.	Sq. km.		Sq. mi.	Sq. km.
Total	74,364	192,603	Gulf of Mexico coastal water	3,637	9,936
Atlantic coastal water	2,298	5,952	Alabama	560	1,450
Florida	37	96	Florida	1,696	4,396
Georgia	48	124	Louisiana	1,016	2,631
Maine	1,102	2,854	Mississippi	556	1,440
Massachusetts	959	2,484	Texas	7	18
Rhode Island	14	36	Lake Michigan	22,178	57,441
South Carolina	138	357	Illinois	1,526	3,952
Chesapeake Bay	3,237	8,384	Indiana	226	591
Maryland	1,726	4,470	Michigan	13,037	33,766
Virginia	1,511	3,913	Wisconsin	7,387	19,132
Delaware Bay	665	1,722	New York Harbor	92	236
Delaware	350	907	New Jersey	69	179
New Jersey	315	816	New York	23	60
Lake Erie	5,002	12,955	Lake Ontario: New York	3,033	7,855
Michigan	216	559	Pacific coastal water	343	888
New York	594	1,538	California	89	179
Ohio	3,457	8,954	Oregon	48	124
Pennsylvania	736	1,904	Washington	226	585
Straits of Georgia and Juan de Fuca:			Puget Sound: Washington	561	1,453
Washington	1,610	4,170	Lake St. Clair: Michigan	116	300
Lake Huron: Michigan	8,975	23,245	Lake Superior	21,118	54,696
Long Island Sound	1,296	3,364	Michigan	16,231	42,036
Connecticut	573	1,484	Minnesota	2,212	5,729
New York	726	1,880	Wisconsin	2,675	6,926

Source: U.S. Bureau of the Census, *Areas of the United States: 1940*.

No. 340. WATER WITHDRAWALS AND CONSUMPTIVE USE—STATES AND OTHER AREAS: 1985

[In millions of gallons per day, except as noted. Figures may not add due to rounding. Withdrawal signifies water physically withdrawn from a source. Includes fresh and saline water.]

STATE OR OTHER AREA	WATER WITHDRAWN								Consumptive use, ⁴ fresh water
	Total ¹	Per capita (gal. per day) fresh	Source		Use				
			Ground water	Surface water	Irrigation	Public supply ²	Industrial ³	Thermoelectric	
Total	388,880	1,488	74,088	328,888	187,080	38,880	28,808	187,088	82,388
Alabama	8,800	2,140	347	8,250	88	884	881	8,880	841
Alaska	408	727	72	334	-	86	133	30	27
Arizona	8,430	1,980	3,100	3,330	5,820	845	133	88	3,700
Arkansas	8,810	2,500	3,810	2,100	3,870	317	178	1,080	3,210
California	48,700	1,430	18,700	34,800	30,800	5,480	1,188	12,180	21,100
Colorado	13,800	4,180	2,840	11,800	12,400	784	211	110	4,880
Connecticut	3,780	878	144	3,640	3	401	147	3,210	108
Delaware	1,880	288	78	1,800	27	87	410	1,121	38
District of Columbia	348	888	-	348	-	218	-	130	24
Florida	17,000	884	4,080	13,000	2,810	1,888	878	11,381	2,730
Georgia	8,480	888	1,000	4,440	483	888	888	3,388	888
Hawaii	2,180	1,100	888	1,480	888	218	80	870	132
Idaho	22,300	22,800	4,800	17,800	20,800	301	334	-	8,880
Illinois	14,800	1,280	888	13,800	71	1,810	888	11,700	888
Indiana	8,830	1,470	838	7,400	47	714	2,781	4,480	484
Iowa	2,770	880	871	2,000	87	418	280	1,810	473
Kansas	8,870	2,310	4,800	888	4,730	388	88	418	4,710
Kentucky	4,800	1,130	208	3,880	8	481	288	3,410	280
Louisiana	10,400	2,210	1,440	8,880	1,480	878	2,100	8,884	2,880
Maine	1,880	738	88	1,480	2	127	280	748	208
Maryland	8,710	321	218	8,480	34	834	371	8,428	423
Massachusetts	9,880	1,070	318	9,540	18	808	188	8,480	318
Michigan	11,400	1,270	800	10,800	210	1,373	1,388	8,380	811
Minnesota	2,830	878	888	2,180	288	804	487	1,470	788
Mississippi	2,810	888	1,880	838	888	328	238	870	881
Missouri	8,110	1,210	840	8,470	308	888	118	4,830	804
Montana	8,880	10,800	808	8,480	8,300	174	80	87	1,800
Nebraska	10,000	8,280	8,880	4,480	7,270	272	187	2,210	4,810
Nevada	3,740	3,880	808	2,830	3,380	300	38	23	1,880
New Hampshire	884	888	84	810	1	111	238	843	78
New Jersey	8,840	307	888	8,270	132	1,114	1,137	4,848	278
New Mexico	3,280	2,380	1,810	1,780	2,820	284	88	88	1,830
New York	18,300	808	1,100	14,100	38	3,081	1,880	10,870	1,400
North Carolina	8,780	1,280	488	8,320	132	784	888	7,288	438
North Dakota	1,180	1,880	127	1,040	184	84	13	882	201
Ohio	12,700	1,180	730	12,000	17	1,888	840	10,800	388
Oklahoma	1,270	388	888	707	448	847	113	124	878
Oregon	8,840	2,480	880	8,880	8,710	488	301	12	2,800
Pennsylvania	14,300	1,210	788	13,800	11	1,784	2,208	10,200	888
Rhode Island	408	182	27	381	3	122	20	281	23
South Carolina	8,820	2,040	214	8,810	34	421	1,130	8,188	340
South Dakota	878	888	848	428	480	88	48	4	381
Tennessee	8,480	1,770	444	8,010	8	887	1,813	8,080	278
Texas	28,300	1,380	7,410	17,800	8,120	3,088	2,783	11,010	8,880
Utah	4,380	2,840	818	3,880	3,880	483	213	24	2,130
Vermont	128	238	37	88	1	88	88	1	28
Virginia	7,280	883	341	8,810	82	881	878	8,780	288
Washington	7,030	1,800	1,220	8,810	4,840	1,083	888	427	4,700
West Virginia	8,440	2,810	827	8,210	4	172	1,028	4,210	877
Wisconsin	8,740	1,400	870	8,170	84	888	481	8,440	321
Wyoming	8,220	12,200	828	8,700	8,880	111	184	238	2,870
Puerto Rico	2,800	178	178	2,430	187	408	18	2,008	183
Virgin Islands	124	88	2	128	-	8	14	103	1

Represents zero. ¹ Includes self-supplied withdrawals for commercial use not shown separately under "Use." ² Includes domestic withdrawals for normal household purposes. ³ Includes water used in mining. ⁴ Water that has been evaporated, transpired, or incorporated into products, plant or animal tissue; and therefore, is not available for immediate reuse.

Source: U.S. Geological Survey, *Estimated Use of Water in the United States in 1985*, circular 1004.

No. 341. U.S. WATER WITHDRAWALS AND CONSUMPTIVE USE PER DAY BY END USE: 1940 TO 1985

[excludes Puerto Rico. Withdrawal signifies water physically withdrawn from a source. Includes fresh and saline water; excludes water used for hydroelectric power. See also *Historical Statistics, Colonial Times to 1970*, series J 92-103]

YEAR	Total (bil. gal.)	Per capita ¹ (gal.)	Irrigation (bil. gal.)	PUBLIC SUPPLY ²		Rural ⁴ (bil. gal.)	Industrial and misc. ⁵ (bil. gal.)	Steam electric utilities (bil. gal.)
				Total (bil. gal.)	Per capita ² (gal.)			
WITHDRAWALS								
1940.....	140	1,027	71	10	75	3.1	29	23
1950.....	180	1,185	89	14	145	3.6	37	40
1955.....	240	1,454	110	17	149	3.8	39	72
1960.....	270	1,500	110	21	151	3.8	38	100
1965.....	310	1,602	120	24	155	4.0	45	130
1970.....	370	1,815	120	27	188	4.5	47	170
1975.....	420	1,972	140	29	188	4.9	45	200
1980.....	450	1,953	150	34	183	5.8	45	210
1985.....	400	1,650	140	38	168	7.8	30	180
CONSUMPTIVE USE								
1940.....	61	339	52	3.5	25	2.8	3.0	.2
1950.....	77	403	65	5.2	34	3.2	3.4	.4
1960.....	87	427	73	5.9	38	3.4	4.1	.8
1975.....	98	451	80	6.7	38	3.4	4.2	1.9
1980.....	100	440	83	7.1	38	3.9	5.0	3.2
1985.....	92	380	74	(*)	(*)	⁷ 9.2	6.1	6.2

¹ Based on Bureau of the Census resident population as of July 1. ² Includes commercial water withdrawals. ³ Based on population served. ⁴ Rural farm and nonfarm household and garden use, and water for farm stock and dairies. ⁵ For 1940-1955, includes manufacturing and mineral industries, rural commercial industries, air-conditioning, resorts, hotels, motels, military and other State and Federal agencies, and miscellaneous; thereafter, includes manufacturing, mining and mineral processing, ordinance, construction, and miscellaneous. ⁶ Public supply consumptive use included in end-use categories. ⁷ Includes domestic, public supply, and commercial.

Source: 1940-1980, U.S. Bureau of Domestic Business Development, based principally on committee prints, *Water Resources Activities in the United States*, for the Senate Committee on National Water Resources, U.S. Senate, thereafter U.S. Geological Survey, *Estimated Use of Water in the United States in 1985*, circular 1005, and previous quinquennial issues.

No. 342. NATIONAL AMBIENT WATER QUALITY IN RIVERS AND STREAMS—VIOLATION RATE: 1975 TO 1986

[In percent. Violation level based on U.S. Environmental Protection Agency water quality criteria. Violation rate represents the proportion of all measurements of a specific water quality pollutant which exceeds the "violation level" for that pollutant. "Violation" does not necessarily imply a legal violation. Data based on U.S. Geological Survey's National Stream Quality Accounting Network (NASQAN) data system; for details, see source. Years refer to water years. A water year begins in Oct. and ends in Sept. µg=micrograms, mg=milligrams. For metric conversions, see p. x5]

POLLUTANT	VIOLATION LEVEL	1975	1976	1978	1980	1981	1982	1983	1984	1985	1986
Fecal coliform bacteria.....	Above 200 cells per 100 ml.....	36	35	34	31	30	23	34	30	28	28
Dissolved oxygen.....	Below 5 mg per liter.....	5	5	4	5	4	5	4	3	3	2
Phosphorus, total, as phosphorus.....	Above 1.0 mg per liter.....	5	6	3	4	4	3	3	4	3	4
Lead, dissolved.....	Above 50 µg per liter.....	(2)	(2)	13	5	3	2	5	(2)	(2)	(2)
Cadmium, dissolved.....	Above 10 µg per liter.....	(2)	(2)	4	1	1	1	1	(2)	(2)	(2)

B Base figure too small to meet statistical standards for reliability of derived figures. Z Less than 1

Source: U.S. Geological Survey, national-level data, unpublished; State-level data, *Water-Data Report*, annual series prepared in cooperation with the State governments.

No. 343. POLLUTING INCIDENTS REPORTED IN AND AROUND U.S. WATERS: 1970 TO 1986

YEAR	Incidents	Gallons (1,000)	YEAR	Incidents	Gallons (1,000)
1970.....	3,771	15,253	1981.....	10,564	19,779
1971.....	8,736	8,640	1982.....	10,414	23,154
1972.....	9,931	18,608	1983.....	11,346	30,676
1973.....	13,325	24,315	1984.....	13,026	18,117
1974.....	14,432	18,422	1985.....	11,023	21,716
1975.....	12,781	22,243	1986 ¹	8,519	8,898
1976.....	13,930	36,608	Type of pollutant		
1977.....	15,330	11,248	Oil.....	8,576	5,070
1978.....	14,485	17,857	Chemical.....	637	489
1979.....	13,134	13,661			
1980.....	11,185	15,083			

¹ Preliminary.

Source: U.S. Coast Guard. Based on unpublished data from the *Marine Safety Information System*, June 1987

NO. 344. NATIONAL AMBIENT AIR POLLUTANT CONCENTRATIONS: 1977 TO 1986

[Data represent annual composite averages of pollutant based on daily 24-hour averages of monitoring stations, except carbon monoxide is based on the second-highest, non-overlapping, 8-hour average; ozone, average of the second-highest daily maximum one hour value; and lead, quarterly average of ambient lead levels. Based on data from the National Ambient Data Bank. $\mu\text{g}/\text{m}^3$ —micrograms of pollutant per cubic meter of air; ppm—parts per million]

POLLUTANT	Unit	Monitoring stations, number	Air quality standard ¹	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Carbon monoxide	ppm	182	^a 9	10.7	10.2	9.8	9.1	8.8	8.1	8.0	8.0	7.2	7.2
Ozone	ppm	342	^a .122	.18	.18	.14	.15	.19	.19	.16	.19	.19	.12
Sulfur dioxide	ppm	302	.03	.014	.013	.012	.011	.010	.010	.009	.010	.009	.009
Total suspended particulates	$\mu\text{g}/\text{m}^3$	1,435	75	82.9	82.4	^a 63.4	^a 64.8	^a 60.2	50.2	48.7	50.9	48.5	48.4
Nitrogen dioxide	ppm	111	.039	.039	.029	.029	.026	.027	.026	.025	.026	.025	.025
Lead	$\mu\text{g}/\text{m}^3$	82	^a 1.5	1.16	1.04	.79	.55	.44	.47	.39	.36	.23	.16
INDEX													
Carbon monoxide	1977=100	182	^a 9	100	95	92	85	82	76	75	75	67	67
Ozone		342	^a .122	100	100	88	94	81	81	84	81	81	75
Sulfur dioxide		302	.03	100	93	88	79	71	71	64	71	64	64
Total suspended particulates		1,435	75	100	99	^a 101	^a 105	^a 95	65	75	61	77	77
Nitrogen dioxide		111	.039	100	100	100	97	93	90	86	90	86	86
Lead		82	^a 1.5	100	90	88	47	38	41	34	30	20	13

¹ Refers to the primary National Ambient Air Quality Standard that protects the public health. ² Based on 8-hour standard of 9 ppm. ³ Based on 1-hour standard of .12 ppm. ⁴ Values are biased high due to type of data measuring instruments used. ⁵ Based on 3-month standard of 1.5 $\mu\text{g}/\text{m}^3$.

Source: U.S. Environmental Protection Agency, *National Air Quality and Emissions Trends Report, 1986, February 1986.*

NO. 345. NATIONAL AIR POLLUTANT EMISSIONS: 1940 TO 1986

[In millions of metric tons, except lead in thousands of metric tons. Metric ton=1.1023 short tons. PM=Particulates, SO_2 =Sulfur dioxide, NO_x =Nitrogen oxides, VOC=Volatile organic compound, CO=Carbon monoxide, Pb=Lead]

YEAR	EMISSIONS						PERCENT CHANGE ¹					
	PM	SO_2	NO_x	VOC	CO	Pb	PM	SO_2	NO_x	VOC	CO	Pb
1940	23.1	17.6	6.3	18.6	61.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1950	24.0	19.8	9.3	21.0	85.3	(NA)	7.8	12.5	23.8	12.9	5.8	(NA)
1960	21.6	19.7	12.8	23.5	86.4	(NA)	-13.3	-5	27.6	13.3	2.4	(NA)
1970	18.5	28.3	18.1	27.5	98.7	203.8	-14.4	43.7	41.4	15.5	11.7	(NA)
1975	10.6	28.0	19.1	22.8	81.0	147.0	-42.7	-8.1	5.5	-17.1	-17.9	-27.6
1980	8.5	23.9	20.3	23.0	75.1	70.8	-19.8	-8.1	6.3	0	-8.0	-52.0
1981	8.0	23.5	20.3	21.6	73.4	55.9	-5.9	1.7	-	-6.1	-3.5	-20.8
1982	7.1	22.0	19.5	20.1	67.4	54.4	-11.2	-6.4	-3.9	-6.9	-8.2	-2.7
1983	7.1	21.5	19.1	20.9	70.3	46.3	-	-2.3	-2.1	4.0	4.3	-14.9
1984	7.4	22.1	19.7	21.9	69.6	40.1	4.2	2.8	3.1	4.8	-1.0	-13.4
1985	7.0	21.6	19.7	20.3	64.3	21.1	-5.4	-2.3	-	-7.3	-7.4	-47.4
1986	6.8	21.2	19.3	19.5	60.9	6.8	-2.9	-1.8	-2.0	-3.9	-5.3	-98.8

- Represents zero. NA Not available. ¹ Percent change from prior year shown.

NO. 346. AIR POLLUTANT EMISSIONS, BY POLLUTANT AND SOURCE: 1970 TO 1986

[In millions of metric tons, except lead in thousands of metric tons. Metric ton=1.1023 short tons]

YEAR AND POLLUTANT	Total emissions	CONTROLLABLE EMISSIONS						Misc. un-controllable	PERCENT OF TOTAL		
		Transportation		Fuel combustion ¹		Industrial processes	Solid waste disposal		Transportation	Fuel combustion ¹	Industrial
		Total	Road vehicles	Total	Electric utilities						
1970: Carbon monoxide	98.7	71.8	62.7	4.4	.2	9.0	6.4	7.2	72.7	4.5	9.1
Sulfur oxides	28.4	.8	.3	21.3	15.9	6.4	-	.1	2.1	75.0	22.6
Volatile organic compounds	27.5	12.4	11.1	1.1	-	8.9	1.8	9.3	45.1	4.0	32.4
Particulates	16.5	1.2	.9	4.8	2.8	10.5	1.1	1.1	6.5	24.9	59.8
Nitrogen oxides	18.1	7.8	6.0	6.1	4.4	.7	.4	.3	42.0	50.3	3.9
Lead	203.0	103.6	199.0	8.8	.3	23.9	6.7	-	60.3	4.7	11.7
1980: Carbon monoxide	76.1	52.6	46.3	7.3	.3	6.3	2.2	7.6	69.1	6.8	8.3
Sulfur oxides	23.0	.9	.4	19.3	16.1	3.6	-	-	3.8	80.8	15.9
Volatile organic compounds	23.0	6.2	6.8	2.2	-	8.2	.6	2.9	36.7	9.8	.4
Particulates	8.5	1.9	1.1	2.4	.9	3.3	.4	1.1	15.3	28.2	38.8
Nitrogen oxides	20.3	9.2	7.2	10.1	6.4	.7	.1	.2	45.3	49.8	3.4
Lead	70.8	59.4	59.4	3.9	.1	3.6	3.7	-	84.1	5.6	5.1
1985: Carbon monoxide	60.9	42.6	35.4	7.2	.3	4.5	1.7	5.0	70.0	11.8	7.4
Sulfur oxides	21.2	.9	.5	17.2	14.3	3.1	-	-	4.2	81.1	14.6
Volatile organic compounds	18.5	8.5	6.3	2.9	-	7.9	.6	2.2	23.3	11.8	40.6
Particulates	9.9	1.4	1.1	1.9	.4	2.5	.9	.8	20.8	25.5	38.8
Nitrogen oxides	19.3	8.5	6.8	10.0	6.8	.8	.1	.1	44.0	51.8	3.1
Lead	6.6	3.5	3.5	.5	.1	1.9	2.7	-	40.7	6.8	22.1

- Represents zero. ¹ Stationary.

Source of tables 345 and 346: U.S. Environmental Protection Agency, *National Air Pollutant Emission Estimates, 1940-1985, January 1988.*

NO. 347. METROPOLITAN AREAS FAILING TO MEET NAAQS FOR CARBON MONOXIDE—NUMBER OF DAYS EXCEEDING STANDARDS: 1985 AND 1987

[For standard, see table 344. Non-attainment status was as of Dec. 31, 1987]

METROPOLITAN AREA	1985	1987	METROPOLITAN AREA	1985	1987
New York, NY PMSA	40	86	Memphis, TN-AR-MS	2	2
Spokane, WA	44	86	Raleigh-Durham, NC	20	2
Los Angeles-Long Beach, CA PMSA	54	40	Salt Lake City-Ogden, UT	9	2
Denver, CO	33	24	St. Louis, MO-IL	1	2
Steubenville-Warren, OH-WV	-	24	Syracuse, NY	6	2
Las Vegas, NV	27	20	Vancouver, WA PMSA	(NA)	2
Provo-Orem, UT	24	20	Washington, DC-MD-VA	1	2
Fairbanks, AK ²	32	15	Baltimore, MD	5	1
Albuquerque, NM	15	14	Detroit-Ann Arbor, MI CMSA	2	1
El Paso, TX	10	11	Duluth, MN	2	1
Phoenix, AZ	78	11	Nashua, NH PMSA	3	1
Sacramento, CA	11	9	Nashville, TN	3	1
Tacoma, WA PMSA	8	8	Newark, NJ PMSA	3	1
Hartford, CT PMSA	3	7	Pittsburgh, PA	2	1
Fort Collins-Loveland, CO	8	5	Reno, NV	29	1
Manchester, NH	8	5	San Francisco, CA CMSA	2	1
Minneapolis-St. Paul, MN-WI	5	5	Springfield, MA	2	1
Anchorage, AK	5	4	Springfield, MO	2	1
Grants Pass, OR ¹	2	4	Bergen-Passaic, NJ PMSA	2	-
Missoula, MT	1	4	Boise City, ID	3	-
Nassau-Suffolk, NY PMSA	1	4	Boston, MA CMSA	2	-
Oklahoma City, OK	3	4	Chico, CA	2	-
Seattle, WA PMSA	6	4	Cleveland, OH PMSA	2	-
Yakima, WA	3	4	Houston, TX	2	-
Great Falls, MT	1	3	Jersey City, NJ PMSA	2	-
Greeley, CO	4	3	Lincoln, NE	3	-
Medford, OR	10	3	Modesto, CA	4	-
Anaheim-Santa Ana, CA PMSA	3	2	San Jose, CA PMSA	4	-
Fresno, CA	8	2	Vallejo-Fairfield-Napa, CA PMSA	4	-
			Wichita, KS	2	-

- Represents zero. NA Not available. ¹ Not a metropolitan area.

NO. 348. METROPOLITAN AREAS FAILING TO MEET NAAQS FOR OZONE—NUMBER OF DAYS EXCEEDING STANDARDS: 1985 TO 1987

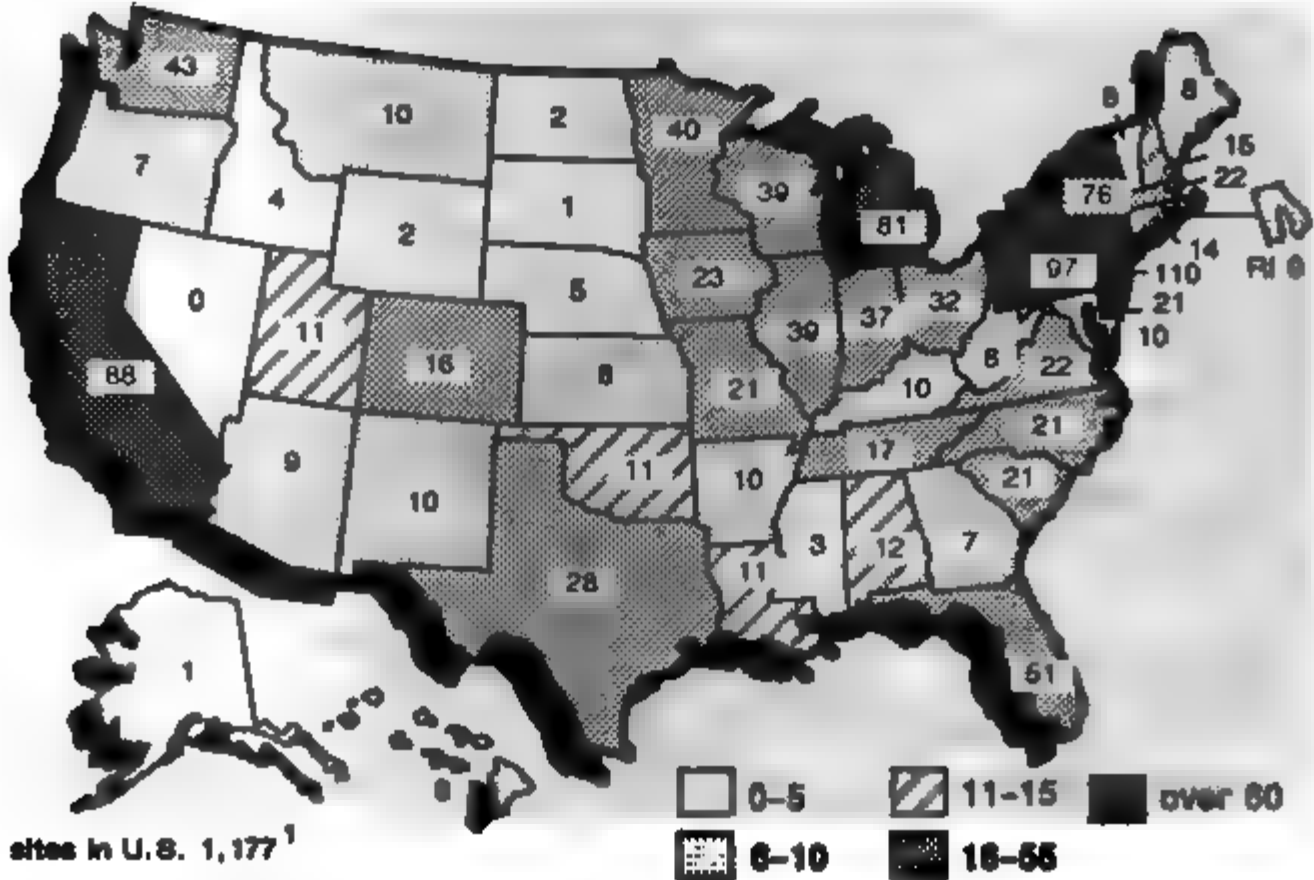
[For standard, see table 344. Non-attainment status was as of Dec. 31, 1987]

METROPOLITAN AREA	1985-1987, avg.	1987	METROPOLITAN AREA	1985-1987, avg.	1987
Los Angeles, CA CMSA	143.5	141.2	Charlotte-Gastonia-Flock Hill, NC-SC	3.0	4.0
Bakersfield, CA	36.1	47.6	Portland, ME	3.4	4.0
Fresno, CA	30.5	42.6	Parkersburg-Marionette, WV-OH	1.6	3.5
San Diego, CA	12.5	26.8	Santa Barbara, CA	1.7	3.4
Philadelphia, PA-NJ-DE CMSA	12.6	23.2	Allentown-Bethlehem, PA-NJ	1.4	3.2
Houston, TX CMSA	19.1	20.8	Beaumont-Port Arthur, TX	2.1	3.2
Modesto, CA	18.2	20.8	Kent County, DE ²	1.8	3.2
New York, NY-NJ-CT CMSA	7.5	18.2	Nashville, TN	3.2	3.2
Sacramento, CA	13.1	18.4	Portsmouth-Dover, NH-ME	3.2	3.2
Atlanta, GA	13.5	15.0	Raleigh-Durham, NC	1.4	3.2
Milwaukee, WI ¹	3.7	12.9	Birmingham, AL	3.2	3.1
Chicago, IL-IN-WI CMSA	7.4	12.8	Miami-Hialeah, FL CMSA	2.1	3.1
Connecticut-Massachusetts MSA ²	5.8	11.6	Grand Rapids, MI	1.3	3.0
Baltimore, MD	7.9	11.1	Richmond-Petersburg, VA	1.3	3.0
El Paso, TX	9.0	11.1	Cleveland, OH PMSA	1.8	2.2
Muskogee, MI	8.0	11.0	Cincinnati, OH-KY-IN PMSA	1.6	2.1
Washington, DC-MD-VA	8.2	10.5	Detroit-Ann Arbor, MI CMSA	2.0	2.1
Visalia-Tulare-Porterville, CA	7.6	8.9	Iberville Parish, LA ²	2.4	2.1
St. Louis, MO-IL	5.4	8.0	Louisville, KY-IN	4.0	2.0
Providence, RI-MA CMSA	6.5	7.8	Memphis, TN-AR-MS	2.0	2.0
Knox County, ME ²	4.4	6.5	Norfolk-Virginia Beach, VA	2.0	2.0
Keosauqua County, WI ²	1.9	5.8	Portland, OR-WA CMSA	1.9	1.2
Kings County, CA ²	5.8	5.6	Hancock County, ME ²	1.3	1.1
Dallas-Fort Worth, TX CMSA	8.1	5.2	Indianapolis, IN	1.3	1.1
Huntington-Ashland, WV-KY-OH	3.8	5.2	Jacksonville, FL	2.1	1.1
Baton Rouge, LA	3.0	5.1	Lexington-Fayette, KY	1.8	1.1
York County, ME ²	4.2	4.8	New Bedford, MA	2.4	1.0
Jefferson County, NY ²	4.7	4.7	Salt Lake City-Ogden, UT	3.8	1.0
Boston, MA CMSA	2.2	4.3	Stockton, CA	3.5	1.0
Montgomery, AL	2.2	4.3	Tulsa, OK	1.1	1.0
Tempe, FL	2.1	4.2	Lincoln County, ME ²	2.4	(NA)
Pittsburgh, PA CMSA	1.7	4.1	Kennebec County, ME ²	1.2	-
San Francisco, CA CMSA	3.4	4.1	Phoenix, AZ	1.2	-
Atlantic City, NJ	3.4	4.0	Worcester, MA	2.1	-

- Represents zero. NA Not available. ¹ Includes the Sheboygan, WI MSA. ² Includes Bristol, Hartford, Middletown, New Britain, New Haven, and New London, CT and Springfield, MA MSA's. Not a metropolitan area.

Source of tables 347 and 348: U.S. Environmental Protection Agency, press release of May 3, 1988.

Figure 6.2
Hazardous Waste Sites-June 1988



Total sites in U.S. 1,177¹

Represents final and proposed sites on National Priority List.

¹includes nine in Puerto Rico; and one in Guam.

Source: U. S. Environmental Protection Agency, National Priorities List Fact Book.

No. 349. MUNICIPAL SOLID WASTE GENERATION, RECOVERY, AND DISPOSAL: 1960 TO 1986

in millions of tons, except as indicated. Covers post-consumer residential and commercial solid wastes which comprise the major portion of typical municipal collections. Excludes mining, agricultural and industrial processing, demolition and construction wastes, sewage sludge, and junked autos and obsolete equipment wastes. Based on material-flows estimating procedure and wet weight as generated

ITEM AND MATERIAL	1960	1965	1970	1975	1980	1981	1982	1983	1984	1985	1986
total waste generated	87.6	102.3	120.5	125.3	142.8	144.8	142.0	148.3	153.6	152.5	157.7
Per person per day (lb.)	2.65	2.98	3.22	3.18	3.49	3.45	3.35	3.47	3.55	3.49	3.59
materials recovered	6.8	8.2	8.0	8.1	13.4	13.2	12.9	13.9	15.3	16.3	16.9
Per person per day (lb.)	.19	.17	.21	.23	.32	.31	.30	.32	.36	.35	.39
processed for energy recovery	NA	.2	.4	.7	2.7	2.3	3.5	5.0	6.5	7.8	8.6
Per person per day (lb.)	NA	.01	.01	.02	.08	.05	.08	.12	.15	.17	.22
total waste disposed of	81.7	95.9	112.1	116.6	129.6	129.3	125.6	129.5	131.8	129.7	131.2
Per person per day (lb.)	2.48	2.70	3.00	2.83	3.04	3.05	2.88	3.03	3.05	2.97	2.89
percent distribution of net discards: ¹											
Paper and paperboard	30.0	33.5	32.4	29.8	32.6	33.1	32.1	34.1	35.7	36.5	36.6
Glass	7.8	8.6	11.1	11.4	11.0	10.8	10.7	9.9	9.3	8.9	8.4
Metals	12.8	11.1	12.0	11.6	10.1	9.8	9.7	9.5	8.3	8.0	8.9
Plastics	.5	1.5	2.7	3.8	5.8	5.8	6.5	6.5	6.8	7.1	7.3
Rubber and leather	2.1	2.3	2.7	3.2	3.2	3.1	2.6	2.6	2.4	2.5	2.8
Textiles	2.1	2.0	1.9	1.9	2.0	2.6	2.2	2.1	2.0	2.0	2.0
Wood	3.7	3.6	3.6	3.6	3.6	3.3	3.9	3.9	3.7	3.9	4.1
Food wastes	14.9	12.9	11.4	11.5	9.2	9.2	9.3	8.9	8.8	8.0	8.9
Yard wastes	24.5	22.5	20.9	21.7	20.5	20.3	20.9	20.4	20.1	20.4	20.1
Other wastes	1.9	1.7	1.8	1.7	1.7	1.7	1.9	1.9	1.7	1.8	1.9

NA Not available. ¹ Net discards after materials recovery and before energy recovery.

Source: Franklin Associates, Ltd., Prairie Village, KS, *Characterization of Municipal Solid Waste in the United States, 1960 to 1986*. Prepared for the U.S. Environmental Protection Agency.

NO. 350. GENERATION AND RECOVERY OF SELECTED MATERIALS IN MUNICIPAL SOLID WASTE: 1960 TO 1980

[In millions of tons, except as indicated. Covers post-consumer residential and commercial solid waste which comprises the major portion of typical municipal collections. Excludes mining, agricultural and industrial processing, demolition and construction wastes, storage dumps, and junked autos and obsolete equipment wastes. Based on material-flow estimating procedure and wet weight as generated]

ITEM AND MATERIAL	1960	1965	1970	1975	1980	1981	1982	1983	1984	1985	1986
Gross waste generated:											
Paper and paperboard	29.0	37.9	43.0	42.6	53.9	55.0	52.4	57.7	62.5	61.7	64.7
Foreign metals	0.9	10.1	12.8	12.3	11.9	11.4	11.3	11.4	11.3	10.7	11.0
Aluminum	.4	.5	.9	1.1	1.8	1.9	1.9	2.1	2.2	2.3	2.4
Glass	0.5	0.6	1.2	1.3	14.9	15.0	14.5	14.2	13.8	13.2	12.9
Plastics	.4	1.4	3.0	3.4	7.6	7.6	8.4	9.1	8.7	8.6	10.3
Materials recovered:											
Paper and paperboard	5.4	6.7	7.4	8.2	11.8	11.4	11.1	12.0	13.2	13.0	14.6
Foreign metals	1	1	2	2	4	3	3	3	3	3	4
Aluminum	(na)	(na)	(na)	1	1	3	3	3	3	3	6
Glass	1	1	2	4	1	3	3	3	1.8	1.1	1.1
Plastics	(na)	(na)	(na)	(na)	(na)	(na)	(na)	(na)	1	1	1
Percent of gross waste recovered:											
Paper and paperboard	18.1	17.9	17.2	19.2	21.9	20.7	21.2	20.9	21.1	21.1	22.6
Foreign metals	5	1.0	1.8	1.8	3.4	2.8	2.8	2.6	2.7	2.9	3.8
Aluminum	(na)	(na)	(na)	0.1	16.7	28.3	31.6	28.6	27.3	26.1	25.0
Glass	1.5	1.2	2.0	2.9	5.4	5.3	5.3	6.3	7.2	6.3	8.5
Plastics	(na)	(na)	(na)	(na)	(na)	(na)	(na)	(na)	1.5	1.5	1.0

NA Not available.

Source: Farlin Associates, Ltd., Peoria Village, KS, *Characterization of Municipal Solid Waste in the United States, 1960 to 2000, 1988*. Prepared for the U.S. Environmental Protection Agency.

NO. 351. SYNTHETIC ORGANIC PESTICIDES—PRODUCTION AND SALES: 1960 TO 1986

[Includes a small quantity of soil conditioners]

ITEM	Unit	1960	1965	1970	1975	1976	1979	1980	1981	1982	1983	1984	1985	1986
Production, total	MLB lb	646	877	1,094	1,893	1,416	1,429	1,466	1,436	1,113	1,017	1,166	1,236	1,199
Herbicides	MLB lb	102	263	404	708	884	857	808	838	820	870	718	708	725
Insecticides	MLB lb	386	490	480	680	605	617	555	448	379	324	360	370	342
Fungicides	MLB lb	179	124	140	155	147	155	156	143	111	123	123	109	113
Production value ¹	MLB dol	307	577	1,058	2,000	2,342	2,865	4,269	5,138	4,331	3,993	5,059	3,380	6,306
Sales, total	MLB lb	679	794	881	1,217	1,306	1,388	1,488	1,391	1,147	1,017	1,168	1,282	948
Sales value	MLB dol	262	487	670	2,369	3,041	3,831	4,076	4,952	4,432	4,054	4,730	4,437	4,234

¹ Manufacturers unit value multiplied by production.

Source: U.S. Dept. of Agriculture, Agricultural Stabilization and Conservation Service, *The Pesticide Review*, 1976; and unpublished data. Based on data from U.S. International Trade Commission, *Synthetic Organic Chemicals*, annual.

NO. 352. THREATENED AND ENDANGERED WILDLIFE AND PLANT SPECIES—NUMBER: 1988

[As of March 31. Endangered species: One in danger of becoming extinct throughout all or a significant part of its natural range. Threatened species: One likely to become endangered in the foreseeable future]

Item	Mammals	Birds	Reptiles	Amphibians	Fishes	Snails	Clams	Crustaceans	Insects	Plants
Endangered species: total	287	221	74	13	64	4	31	6	6	146
U.S. only	28	81	8	5	41	3	28	5	6	139
U.S. and foreign	19	16	7	-	2	-	-	-	-	6
Foreign only ¹	240	145	59	8	11	1	2	-	-	1
Threatened species: total	29	10	32	4	31	5	-	1	7	38
U.S. only	3	7	14	4	26	5	-	1	7	31
U.S. and foreign	3	3	4	-	6	-	-	-	-	3
Foreign only ¹	23	-	14	-	-	-	-	-	-	2

- Represents zero.

¹ Species outside U.S. and outlying areas as determined by Fish and Wildlife Service.

Source: U.S. Fish and Wildlife Service, *Endangered Species Technical Bulletin*, April 1988, Vol. XII, No. 4.

No. 353. POLLUTION ABATEMENT AND CONTROL EXPENDITURES, 1975 TO 1986, AND BY MEDIA, 1986
(in millions of dollars, except percent. Excludes agricultural production of crops and livestock except feedlots)

TYPE	1975	1980	1981	1982	1983	1984	1985	1986, prel.			
								Total ¹	Air	Water	Solid waste
CURRENT DOLLARS											
Total expenditures.....	33,177	53,835	57,470	57,690	61,779	66,829	74,276	77,872	33,367	30,480	14,579
Percent Government.....	28.9	25.3	22.1	21.8	20.7	20.7	21.5	22.3	9.2	35.6	32.6
Pollution abatement.....	28,420	50,491	54,343	54,500	58,080	65,230	70,585	73,991	31,177	29,579	14,315
Personal consumption.....	3,243	6,589	8,152	8,316	9,771	10,787	11,539	12,259	12,259	-	-
Business.....	17,802	32,283	35,545	35,610	37,589	42,191	44,579	46,361	18,466	19,351	9,883
Government.....	7,576	11,620	10,847	10,571	10,700	12,273	14,073	15,361	452	10,228	4,451
Federal.....	432	494	506	550	795	944	1,225	1,186	130	656	250
State and local.....	1,752	2,776	3,052	3,274	3,547	3,866	4,333	4,739	10	448	4,201
Govt. enterprise fixed capital.....	5,392	5,347	7,088	6,747	6,356	7,443	8,515	9,436	912	9,124	-
Regulation and monitoring.....	653	1,296	1,376	1,397	1,365	1,362	1,279	1,429	427	548	250
Research and development.....	1,104	1,751	1,749	1,783	2,335	2,337	2,412	2,453	1,083	324	111
CONSTANT (1982) DOLLARS											
Total expenditures.....	53,513	62,046	66,317	57,690	60,007	64,713	67,734	70,799	32,168	26,991	12,399
Pollution abatement.....	50,408	58,421	58,952	54,500	58,453	61,325	64,460	67,533	30,401	26,201	12,085
Personal consumption.....	5,901	7,184	8,200	8,316	9,731	10,566	11,332	12,218	12,218	-	-
Business.....	31,502	37,885	37,543	35,610	36,533	39,495	40,817	42,188	17,757	17,470	8,515
Government.....	13,005	13,372	11,209	10,571	10,189	11,266	12,312	13,127	426	8,732	3,759
Regulation and monitoring.....	1,103	1,533	1,460	1,397	1,315	1,230	1,103	1,202	358	458	208
Research and development.....	2,002	2,082	1,854	1,783	2,239	2,157	2,171	2,055	1,405	271	69

- Represents zero. ¹ Includes "other and unallocated" expenditures (such as for noise, radiation, and pesticide pollution and business expenditures not assigned to media) which may be either positive or negative; therefore, data may not add.

No. 354. AIR AND WATER POLLUTION ABATEMENT EXPENDITURES IN CONSTANT (1982) DOLLARS: 1975 TO 1986

(in millions of dollars. See footnote, table 353)

YEAR	AIR							WATER				
	Total	Mobile sources ¹			Stationary sources		Total ⁴	Industrial		Public sewer systems ⁵		
		Total	Cars	Trucks	Total ⁴	Industrial		Facilities	Operations ²	Facilities	Operations ³	
						Facilities						Operations ²
1975.....	20,789	9,324	7,416	1,904	11,444	6,899	4,545	22,840	4,805	6,250	8,997	3,436
1976.....	23,774	11,677	8,928	2,949	11,900	6,652	5,711	26,531	4,277	3,284	10,000	4,982
1977.....	24,462	11,757	8,489	3,268	12,708	5,999	6,108	26,470	4,013	4,222	9,756	4,589
1980.....	24,744	11,764	8,518	2,946	12,980	5,948	6,304	24,647	3,725	4,081	8,942	4,594
1981.....	25,850	13,401	10,564	2,837	12,448	5,448	6,290	21,984	3,229	4,160	8,382	4,880
1982.....	24,961	13,464	10,530	2,934	11,498	5,068	6,875	21,199	3,080	4,022	6,148	5,185
1983.....	26,367	15,581	12,274	3,307	10,795	4,104	6,980	21,543	2,811	4,508	5,561	5,475
1984.....	26,591	17,561	13,481	4,081	11,030	4,115	6,280	23,857	2,900	4,795	6,267	5,849
1985.....	29,524	18,704	14,217	4,488	10,819	3,228	6,342	24,770	2,841	5,042	6,990	5,946
1986, prel.....	30,401	19,535	14,830	4,704	10,867	3,551	6,425	26,201	2,852	5,278	7,707	6,587

¹ Excludes expenditures to reduce emissions from sources other than cars and trucks. ² Includes other expenditures not shown separately. ³ Operation of facilities. ⁴ Includes nonpoint sources not shown separately. ⁵ Includes expenditures for private connectors to sewer systems, by owners of animal feedlots, and by government enterprises.

Source of tables 353 and 354: U.S. Bureau of Economic Analysis, *Survey of Current Business*, May 1988.

No. 355. FEDERAL GRANTS-IN-AID TO STATE AND LOCAL GOVERNMENTS FOR POLLUTION ABATEMENT AND CONTROL: 1973 TO 1986

(in millions of dollars)

ACTIVITY	1973	1973	1978	1978	1980	1981	1985	1985	1984	1985	1986
CURRENT DOLLARS											
Total grants-in-aid.....	1,088.9	2,898.6	4,148.8	5,098.7	5,238.9	4,986.9	4,421.1	4,391.1	5,518.9	5,901.0	5,725.7
Pollution abatement.....	915.9	2,720.6	3,978.8	4,797.2	4,906.9	4,582.3	4,126.2	4,089.3	5,184.6	5,198.4	5,323.2
Regulation and monitoring.....	78.2	101.6	214.2	230.8	249.1	278.6	268.6	259.4	302.1	304.8	375.0
Research and development.....	64.8	47.2	58.8	70.6	83.9	28.0	28.3	35.4	32.2	20.0	27.5
CONSTANT (1982) DOLLARS¹											
Total grants-in-aid.....	2,105.0	4,832.5	5,964.2	6,241.3	5,948.5	5,135.4	4,421.1	4,188.4	5,057.3	4,949.3	4,955.5
Pollution abatement.....	1,619.2	4,675.6	5,294.7	5,847.9	5,577.5	4,611.3	4,126.2	3,961.6	4,758.8	4,483.7	4,535.0
Regulation and monitoring.....	157.1	178.7	308.0	302.7	297.1	297.1	268.6	244.0	272.9	238.6	308.0
Research and development.....	128.7	60.1	79.4	60.6	73.9	60.0	28.3	33.8	36.8	17.0	22.5

¹ Estimates are derived using measures of price change of goods and services purchased by State and local governments for pollution abatement and control.

Source: U.S. Bureau of Economic Analysis, unpublished data.

Pollution Abatement Expenditures—Tornadoes, Floods, and Cyclones 205

NO. 355. NEW CAPITAL BUSINESS EXPENDITURES FOR POLLUTION ABATEMENT: 1975 TO 1987

SEC. ¹	SELECTED INDUSTRY	POLLUTION ABATEMENT EXPENDITURES (in dol.)									PERCENT OF TOTAL CAPITAL OUTLAYS BY INDUSTRY ²		
		1975	1980	1984	1985	1986				1987 ³ planned	1975	1980	1987 ⁴
						Total	Air	Water	Solid waste				
(0)	Nonfarm business, total..	6.81	9.19	3.44	8.81	8.45	4.06	2.30	1.98	7.73	4.2	2.3	1.7
(1)	Manufacturing ⁴	4.66	5.35	4.53	5.13	5.33	2.40	2.27	1.1	5.44	3.7	4.8	3.8
20	Food, incl. beverage.....	.30	.26	.26	.25	.27	.09	.13	.05	.25	5.8	3.2	2.3
28	Paper.....	.47	.46	.54	.58	.55	.25	.15	.15	.85	16.0	7.1	7.8
28	Chemicals.....	.76	.69	.58	.74	.98	.36	.48	.11	1.05	10.7	5.9	6.2
29	Petroleum.....	1.21	1.54	1.28	1.25	1.29	.32	.85	.11	1.25	13.3	7.9	7.7
33	Primary metals.....	.32	.34	.58	.80	.76	.43	.29	.04	.88	18.9	13.9	7.7
35	Machinery, except electrical.....	.04	.12	.19	.18	.10	.02	.07	.01	.10	1.9	1.1	.1
36	Electrical machinery.....	.06	.22	.18	.18	.25	.07	.13	.05	.22	2.9	3.3	1.4
37	Transportation equipment.....	.15	.46	.36	.55	.80	.36	.14	.07	.83	2.7	3.2	3.1
49	Public utilities.....	1.56	3.05	3.25	2.57	2.50	1.49	.86	.33	1.75	7.7	8.1	3.8

X Not applicable. ¹ Standard Industrial Classification, see text, section 13. ² Expenditures planned as of January and February 1987. ³ Based on outlays reported in source; see also table 878. ⁴ Includes industries not shown separately. Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, October 1987 and unpublished data.

NO. 357. POLLUTION ABATEMENT CAPITAL EXPENDITURES AND OPERATING COSTS OF MANUFACTURING ESTABLISHMENTS, 1980 TO 1986, AND BY SELECTED INDUSTRY GROUP, 1986

(In millions of dollars. Based on probability sample of about 20,000 manufacturing establishments. Excludes apparel and other textile establishments and establishments with less than 20 employees. Data will not agree with those shown in table 356; see source for details.)

YEAR AND INDUSTRY GROUP	POLLUTION ABATEMENT CAPITAL EXPENDITURES					POLLUTION ABATEMENT GROSS OPERATING COSTS ¹				
	Total	Air	Water	Solid waste		Total	Air	Water	Solid waste	
				Haz-ardous	Non-haz-ardous				Haz-ardous	Non-haz-ardous
1980.....	3,902.8	2,105.5	1,146.5	251.0		8,141.8	3,297.8	3,188.1	1,655.9	
1981.....	3,484.9	2,163.8	1,029.4	291.1		8,109.9	3,897.9	3,554.3	1,655.7	
1982.....	3,034.1	1,828.2	977.0	218.5		8,885.0	3,455.9	3,488.5	1,919.9	
1983.....	2,045.0	1,029.0	919.0	60.9	138.0	9,325.1	3,808.9	3,943.2	573.5	1,801.5
1984.....	2,171.8	1,037.8	967.8	86.7	158.7	10,888.1	4,188.3	4,288.4	770.3	1,832.2
1985.....	2,808.7	1,382.3	1,017.9	388.2	172.9	11,877.9	4,330.2	4,808.5	943.0	1,795.3
All industries, 1986 ²	2,848.8	1,488.8	1,088.7	188.8	178.9	12,388.7	4,381.7	4,838.1	1,188.4	2,441.4
Food.....	185.7	81.8	188.1	2.8	12.7	932.8	125.7	588.9	5.7	240.3
Lumber and wood.....	33.9	17.8	10.9	1.7	2.8	178.9	81.8	42.5	13.4	61.2
Paper.....	271.2	197.0	88.8	4.5	32.4	1,154.8	318.1	585.7	32.0	237.7
Chemicals.....	684.4	197.8	325.4	57.3	43.5	2,854.2	645.5	1,301.8	380.0	368.8
Petroleum.....	484.3	278.6	121.5	22.8	6.2	2,005.1	1,230.8	577.9	108.8	88.6
Stone, clay, glass.....	84.4	88.1	13.8	3.8	13.7	423.5	237.0	88.2	18.9	88.3
Primary metals.....	225.6	102.8	74.8	23.9	34.4	1,741.9	888.4	808.3	100.8	168.5
Fabricated metals.....	135.7	36.8	60.8	8.8	8.6	802.5	95.8	187.7	88.5	118.5
Machinery exc. electrical.....	48.8	16.6	26.8	3.7	2.5	358.7	81.4	128.2	80.7	88.3
Electrical machinery.....	125.0	48.5	81.4	13.8	2.8	830.7	88.3	210.9	114.1	117.3
Transportation equipment.....	541.0	432.3	81.8	18.4	8.3	898.0	195.6	338.4	127.3	177.4

¹ Includes payments to governmental units. ² Includes industries not shown separately.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA-200, annual.

NO. 358. TORNADOES, FLOODS, AND TROPICAL CYCLONES: 1986 TO 1987

(See also *Historical Statistics, Colonial Times to 1970*, series J 255-275)

ITEM	1986-1976	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Tornadoes, number ¹	8,090	836	352	788	852	886	783	1,046	931	907	984	784	898
Lives lost, total.....	1,172	44	43	53	84	26	24	64	34	122	54	15	59
Most in a single tornado.....	55	5	22	18	42	5	5	10	3	11	18	3	30
Property loss of \$800,000 and over.....	426	46	46	56	73	92	55	92	95	125	69	75	38
Floods: Lives lost.....	1,539	187	212	125	109	87	80	155	200	126	304	80	(NA)
Property loss (mil. dol.).....	10,225	1,000	1,309	1,000	4,000	1,500	1,000	3,500	4,100	4,000	3,000	4,000	(NA)
North Atlantic tropical cyclones and hurricanes: ²													
Number reaching U.S. coast.....	25	2	1	2	5	2	2	1	2	2	11	6	7
Hurricanes only.....	13	1	1	-	3	1	-	-	1	1	7	4	3
Lives lost in U.S.....	504	8	-	35	11	2	-	-	22	4	30	8	-

- Represents zero. NA Not available. ¹ A violent, rotating column of air descending from a cumulonimbus cloud in the form of a funnel- or barrel-shaped cloud, usually characterized by movements along a narrow path and wind speeds from 100 to over 300 miles per hour. Also known as a "twister" or "waterspout." ² Tropical cyclones have maximum winds of 39 to 73 miles per hour; hurricanes have maximum winds of 74 miles per hour or higher.

Source: U.S. National Oceanic and Atmospheric Administration, 1986-1980, *Climatological Data: National Summary*, monthly with annual summary; thereafter, *Storm Data*, monthly.

NO. 368. NORMAL DAILY MEAN TEMPERATURE—SELECTED CITIES

(In Fahrenheit degrees. Airport data except as noted. Based on standard 30-year period, 1961 through 1990. See *Historical Statistics, Colonial Times to 1870*, tables J 110-129 and J 164-227, for related data.)

STATE	STATION	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual avg.
AL	Mobile	60.8	53.8	60.1	68.0	74.9	80.5	82.2	81.8	78.2	68.5	58.8	53.1	67.5
AK	Juneau	21.8	27.8	31.2	38.1	46.6	52.7	55.7	54.8	48.2	41.8	32.7	28.8	40.0
AZ	Phoenix	52.3	56.1	60.8	68.0	77.0	85.5	92.3	89.8	84.5	73.4	60.6	50.3	71.2
AR	Little Rock	39.9	44.1	52.2	60.0	70.8	78.5	82.1	81.0	74.3	63.1	51.2	43.2	61.9
CA	Los Angeles	58.0	57.1	57.4	59.5	62.4	65.8	68.0	70.3	68.5	66.3	61.2	57.0	62.6
	Sacramento	45.3	50.3	55.2	58.2	66.0	71.2	75.6	74.7	71.7	63.9	53.0	45.5	60.6
	San Diego	58.8	58.4	58.0	61.2	63.4	65.3	70.3	72.2	71.0	67.5	61.8	57.4	63.8
	San Francisco	48.5	51.8	52.6	54.8	57.8	62.2	63.0	63.9	60.6	54.5	48.2	48.8	58.6
CO	Denver	28.5	31.8	38.0	47.4	57.2	67.0	73.3	71.4	62.6	51.9	38.7	32.6	50.3
CT	Hartford	25.2	27.8	38.8	48.8	58.4	68.8	73.4	71.3	63.3	52.4	41.8	35.0	48.8
DE	Wilmington	31.2	33.2	41.8	52.4	62.2	71.2	75.0	74.8	67.8	58.3	45.9	35.5	54.0
DC	Washington	35.2	37.5	45.8	56.7	66.0	74.5	78.9	77.6	71.1	60.3	48.7	38.8	67.5
FL	Jacksonville	53.2	65.1	61.3	67.7	74.1	79.0	81.3	81.0	78.2	68.5	60.8	54.6	68.0
	Miami	67.1	67.8	71.7	75.3	78.5	81.0	82.4	82.8	81.8	77.9	72.8	68.0	75.8
GA	Atlanta	41.9	44.8	52.5	61.8	68.9	75.8	78.8	78.2	73.0	62.2	52.0	44.5	61.2
HI	Honolulu	72.6	72.9	74.4	75.7	77.5	78.1	80.1	81.0	80.8	79.5	76.8	74.0	77.0
ID	Boise	29.9	36.1	41.4	48.8	57.4	65.8	74.8	72.0	63.2	51.9	38.7	32.0	51.1
IL	Chicago	21.4	25.0	38.0	48.8	58.1	68.8	73.0	71.9	64.7	53.5	39.8	27.7	50.0
	Peoria	21.5	26.8	37.3	51.3	61.8	71.2	75.0	73.1	65.8	53.9	38.8	27.8	50.4
IN	Indianapolis	28.0	29.8	40.0	52.4	62.5	71.6	75.1	73.2	66.6	54.8	41.8	31.5	52.1
IA	Des Moines	18.6	24.5	35.1	50.5	62.1	71.8	75.3	73.9	65.1	54.2	38.8	25.7	48.7
KS	Wichita	28.8	35.1	44.1	58.8	65.9	78.1	81.4	78.7	70.6	59.1	44.9	34.4	56.4
KY	Louisville	32.5	38.8	45.1	56.8	65.4	73.7	77.9	78.4	68.8	57.7	48.1	37.2	58.2
LA	New Orleans	62.4	64.7	61.4	68.7	74.9	80.3	83.0	81.7	78.5	68.2	60.0	54.6	68.2
ME	Portland	21.5	23.0	32.1	42.8	52.8	62.2	68.1	68.8	58.6	48.4	38.4	30.0	48.0
MD	Baltimore	32.7	34.7	43.3	54.0	63.4	72.2	78.9	75.8	68.8	55.8	48.3	38.5	55.1
MA	Boston	29.8	30.7	38.4	46.7	56.5	68.0	73.5	71.9	64.6	54.9	45.2	33.7	51.5
MI	Detroit	23.4	25.8	35.0	47.4	58.1	67.7	71.9	70.5	63.3	51.9	38.5	28.5	48.6
	Sault Ste. Marie	13.3	14.3	23.9	38.1	48.7	58.4	63.6	62.9	54.8	44.0	32.8	19.7	38.7
MN	Duluth	8.3	12.0	22.8	38.3	50.3	59.4	65.3	63.2	54.0	44.2	29.2	13.8	38.2
	Minneapolis-St. Paul	11.2	17.5	29.2	48.0	58.5	68.1	73.1	70.6	60.6	49.8	33.2	19.2	44.7
MS	Jackson	45.7	49.1	58.3	66.1	72.5	78.2	81.9	81.2	78.4	65.0	54.9	48.8	64.8
MO	Kansas City	25.8	32.1	41.5	54.8	64.6	73.6	78.3	76.7	68.4	57.5	43.1	31.9	54.1
	St. Louis	28.8	33.8	43.1	56.1	65.6	74.8	78.8	77.0	68.7	57.9	44.8	34.2	55.4
MT	Great Falls	18.7	26.7	31.4	42.7	52.2	61.9	68.3	67.0	57.4	47.9	34.0	25.7	44.7
NE	Omaha	20.2	27.2	37.3	52.2	68.3	73.0	77.7	76.0	65.8	54.8	38.5	27.2	51.1
NV	Reno	32.2	37.4	48.6	58.4	68.4	78.2	88.5	88.5	80.2	68.3	58.7	32.5	68.4
NH	Concord	18.8	22.2	32.1	44.1	55.2	64.7	68.5	67.9	59.1	48.2	37.3	24.5	45.9
NJ	Atlantic City	31.9	33.2	41.0	51.0	60.5	68.2	74.4	73.0	65.8	55.5	45.6	35.6	55.1
NM	Albuquerque	34.8	38.4	48.2	58.1	64.3	74.5	78.8	78.1	68.0	57.4	44.0	33.8	65.2
NY	Albany	21.1	23.4	33.8	48.6	57.5	66.7	71.4	69.2	61.2	50.5	38.3	28.6	47.3
	Buffalo	23.6	24.5	33.9	45.4	55.1	65.0	70.7	68.8	62.1	51.5	41.8	28.8	47.6
	New York ¹	31.9	33.4	41.4	52.4	62.5	71.4	78.7	75.4	68.3	57.7	47.2	38.2	54.5
NC	Charlotte	40.8	42.8	50.4	60.3	68.2	75.0	78.5	77.9	73.0	60.7	50.7	42.8	60.0
	Raleigh	38.6	41.8	49.3	58.5	67.2	73.9	77.7	77.0	71.0	58.7	50.0	42.0	60.0
ND	Bismarck	6.7	14.5	28.0	42.5	54.9	64.3	70.4	68.8	57.3	46.1	28.8	15.4	41.8
OH	Cincinnati	28.8	32.1	41.8	53.5	63.0	71.4	75.4	74.1	67.5	55.3	43.4	33.8	53.4
	Cleveland	25.5	27.4	38.6	48.1	58.2	67.8	71.9	70.4	64.1	53.2	41.8	31.1	48.8
	Columbus	27.1	29.8	40.0	51.4	61.4	70.2	73.8	72.4	65.8	53.9	42.1	32.0	51.7
OK	Oklahoma City	35.9	40.8	49.1	60.2	68.4	77.0	82.1	81.1	73.3	62.3	48.8	38.8	68.8
OR	Portland	38.8	42.2	45.8	50.4	56.7	62.5	67.7	67.3	62.7	54.3	45.5	40.8	60.0
PA	Philadelphia	31.2	33.1	41.8	52.8	62.8	71.6	78.5	75.5	68.2	58.5	45.8	38.5	54.3
	Pittsburgh	26.7	28.8	38.5	50.1	58.7	68.1	72.0	70.8	64.1	52.5	41.6	31.4	50.3
RI	Providence	28.2	29.3	37.4	47.8	57.6	66.8	72.5	71.1	63.5	53.2	43.4	32.3	50.3
SC	Columbia	44.7	47.1	54.5	63.8	71.5	77.7	81.0	80.2	74.8	63.4	53.9	48.7	68.0
SD	Siou Falls	12.4	18.1	30.4	45.3	58.2	68.4	74.0	71.8	61.0	48.4	38.0	19.7	45.3
TN	Memphis	38.6	43.5	51.7	62.8	71.0	78.7	82.1	80.6	74.2	62.9	51.3	41.8	61.8
	Nashville	37.1	40.4	48.0	58.8	68.1	75.8	79.4	78.4	72.3	60.2	49.3	38.2	60.2
TX	Dallas-Fort Worth	44.0	48.8	54.1	65.8	73.7	82.0	88.3	85.5	78.8	67.8	55.8	47.8	68.0
	El Paso	44.2	48.8	55.1	65.8	73.0	80.8	82.5	80.3	74.1	63.8	51.4	44.4	63.4
	Houston	51.4	54.5	61.0	68.7	74.9	80.3	83.1	82.8	78.4	68.0	58.1	54.0	68.3
UT	Salt Lake City	38.8	34.1	40.7	49.2	58.8	68.3	77.5	74.9	65.0	55.0	45.0	30.3	51.7
VT	Burlington	18.8	18.1	28.2	42.7	58.2	64.9	69.8	67.1	58.8	47.9	36.8	22.8	44.1
VA	Norfolk	38.9	41.1	48.5	58.2	68.0	74.3	78.4	77.7	72.2	61.3	51.9	43.5	59.5
	Richmond	38.8	38.8	47.2	57.9	68.1	73.5	77.8	76.8	70.2	58.5	48.9	38.8	57.7
WA	Seattle-Tacoma	38.1	42.8	44.2	48.7	55.0	60.2	64.1	64.1	60.0	52.5	44.8	41.0	51.4
	Spokane	25.7	32.4	37.6	45.8	54.3	61.7	68.1	68.1	58.4	47.6	34.9	29.0	47.2
WV	Charleston	32.8	36.8	44.8	55.3	63.8	71.0	74.5	72.7	67.6	55.9	45.3	38.8	54.8
WI	Milwaukee	18.7	23.0	32.1	44.6	54.8	64.9	70.5	69.9	61.9	50.9	37.3	25.1	48.1
WY	Cheyenne	25.1	32.1	41.8	52.2	62.0	72.0	78.0	77.0	67.9	57.5	44.5	38.3	48.7
PR	San Juan	78.8	78.8	77.5	78.8	80.5	81.7	82.0	82.2	81.9	81.4	79.8	77.7	79.7

¹ City office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Climatology of the United States*, No. 81, Sept. 1962.

No. 300. NORMAL DAILY MAXIMUM TEMPERATURE—SELECTED CITIES

(In Fahrenheit degrees. Airport data except as noted. Based on standard 30-year period, 1951 through 1980)

STATE	STATION	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual avg.
AL	Mobile	60.6	63.9	70.3	78.3	84.9	90.2	91.2	90.7	87.0	79.4	69.3	63.1	77.4
AK	Juneau	27.4	33.7	37.4	46.8	54.7	61.1	64.0	62.8	55.9	47.0	37.5	31.5	46.9
AZ	Phoenix	65.2	69.7	74.5	83.1	92.4	102.3	106.0	102.3	98.2	87.7	74.3	68.4	85.1
AR	Little Rock	49.6	54.5	63.2	73.9	81.7	89.5	92.7	92.3	86.6	75.8	62.4	53.2	72.9
CA	Los Angeles	64.6	65.5	65.1	66.7	69.1	72.0	75.3	78.5	76.4	74.0	70.3	66.1	70.1
	Sacramento	52.6	59.4	64.1	71.0	79.7	87.4	93.3	91.7	87.6	77.7	63.2	53.2	73.4
	San Diego	65.2	68.4	65.9	67.8	69.6	71.3	75.6	77.8	78.8	74.6	69.9	66.1	70.5
	San Francisco	55.5	58.0	60.6	63.0	66.3	69.6	71.0	71.8	73.4	70.0	62.7	56.3	64.9
CO	Denver	43.1	48.9	51.2	61.0	70.7	81.6	89.0	86.9	77.5	66.8	52.4	46.1	64.3
CT	Hartford	33.6	36.3	45.5	60.0	71.4	80.1	84.8	82.6	74.8	63.9	50.6	37.3	60.1
DE	Wilmington	39.2	41.9	50.9	63.0	72.7	81.2	85.6	84.1	77.8	66.7	54.8	43.6	63.5
DC	Washington	42.9	45.9	55.0	67.1	75.9	84.0	87.9	86.4	80.1	68.9	57.4	46.8	68.6
FL	Jacksonville	64.6	68.8	73.3	79.7	85.2	88.8	90.7	90.2	86.9	79.7	72.4	66.3	78.7
	Miami	75.0	75.8	79.3	82.4	85.1	87.3	88.7	89.2	87.8	84.2	79.8	76.2	82.6
GA	Atlanta	51.2	55.3	63.2	73.2	79.6	85.8	87.9	87.6	82.3	72.9	62.6	54.1	71.3
HI	Honolulu	79.9	80.4	81.4	82.7	84.8	86.2	87.1	88.3	86.2	86.7	83.9	81.4	84.2
IL	Chicago	37.1	44.3	51.6	60.8	70.8	79.8	90.6	87.3	77.6	64.6	49.0	39.3	62.6
	Chicago	29.2	33.9	44.3	56.8	70.0	79.4	83.3	82.1	75.5	64.1	48.2	35.0	58.7
	Peoria	29.7	35.2	46.5	61.9	72.5	82.1	85.5	83.4	76.7	64.8	48.5	35.4	60.2
IN	Indianapolis	34.2	36.5	49.3	63.1	73.4	82.3	85.2	83.7	77.9	66.1	50.8	39.2	62.0
IA	Des Moines	27.0	33.2	44.2	61.0	72.6	81.8	86.2	84.0	75.7	65.0	47.6	33.7	59.3
KS	Wichita	39.8	46.1	55.8	68.1	77.1	87.4	92.9	91.5	82.0	71.2	56.1	44.6	67.6
KY	Louisville	40.8	45.0	54.9	67.5	76.2	84.0	87.6	86.7	80.6	69.2	55.5	45.4	66.1
LA	New Orleans	61.6	64.8	71.2	78.8	84.5	89.5	90.7	90.2	86.8	79.4	70.1	64.4	77.7
ME	Portland	31.0	33.1	40.5	52.5	63.4	72.8	78.9	77.5	69.6	59.0	47.1	34.9	56.0
MD	Baltimore	41.0	43.7	53.1	66.1	74.2	82.9	87.1	85.5	79.1	67.7	55.9	45.1	65.0
MA	Boston	36.4	37.7	45.0	58.6	67.0	76.8	81.8	79.8	72.3	62.5	51.6	40.3	59.0
MI	Detroit	30.6	33.5	43.4	57.7	69.4	79.0	83.1	81.5	74.4	62.5	47.6	35.4	58.2
	Sault Ste. Marie	21.2	23.1	32.3	47.1	61.0	70.1	75.1	73.4	64.2	53.6	39.0	26.6	48.9
MN	Duluth	15.5	21.7	31.9	47.6	61.3	70.5	76.4	73.6	63.6	53.0	35.2	21.8	47.7
	Minneapolis-St. Paul	19.9	26.4	37.5	56.0	69.4	78.5	83.4	80.9	71.0	59.7	41.1	26.7	54.2
MO	Jackson	56.5	60.9	66.4	77.3	84.1	90.5	92.5	92.1	87.8	78.6	67.5	60.0	76.3
MO	Kansas City	34.5	41.1	51.3	65.1	74.6	83.3	88.5	86.8	78.6	67.9	52.1	40.1	63.7
	St. Louis	37.6	43.1	53.4	67.1	76.4	85.2	89.0	87.4	80.7	69.1	54.0	42.6	65.8
MT	Great Falls	28.2	36.5	41.7	54.0	65.3	74.3	84.2	82.0	70.5	59.5	43.6	34.7	59.2
NE	Omaha	30.2	37.3	47.7	64.0	74.7	84.2	88.5	86.2	77.5	67.0	50.3	36.9	62.0
NEV	Reno	44.8	51.1	55.8	63.3	72.3	81.8	91.3	86.7	81.4	70.0	56.6	46.2	68.9
NH	Concord	30.8	33.2	41.9	56.5	68.9	77.7	82.6	80.1	71.9	61.0	47.2	34.4	57.2
NJ	Atlantic City	40.8	42.4	50.3	61.6	71.0	79.8	84.0	82.5	76.7	66.1	56.4	46.0	62.9
NM	Albuquerque	47.2	52.9	60.7	70.6	79.9	90.8	92.8	89.4	83.0	71.7	57.2	46.0	70.3
NY	Albany	30.2	32.7	42.5	57.6	69.5	78.3	83.2	80.7	72.8	61.5	47.8	34.6	57.8
	Buffalo	30.0	31.4	40.4	54.4	66.9	75.6	80.2	78.2	71.4	60.2	47.0	35.0	55.8
	New York ¹	38.0	40.1	48.8	61.1	71.5	80.1	85.3	83.7	76.4	65.6	53.6	42.1	62.2
NC	Charlotte	50.3	53.6	61.8	72.1	79.1	85.2	88.3	87.6	81.7	71.7	61.7	52.6	70.5
	Raleigh	50.1	52.8	61.0	72.3	79.0	85.2	88.2	87.1	81.6	71.6	61.8	52.7	70.3
ND	Bismarck	17.5	25.2	36.4	54.2	67.7	76.8	84.4	83.3	71.4	59.3	39.4	25.9	53.5
OH	Cincinnati	37.3	41.2	51.5	64.5	74.2	82.3	85.8	84.8	78.7	66.7	52.6	41.9	63.5
	Cleveland	32.5	34.6	44.8	57.9	68.5	78.0	81.7	80.3	74.2	62.7	49.3	37.5	58.5
	Columbus	34.7	38.1	49.3	62.3	72.6	81.3	84.4	83.0	76.9	65.0	50.7	39.4	61.5
OK	Oklahoma City	46.8	52.2	61.0	71.7	79.0	87.6	93.5	92.8	84.7	74.3	59.9	50.7	71.2
OR	Portland	44.3	50.4	54.5	60.2	66.9	72.7	78.5	78.8	74.2	63.9	52.3	46.4	62.0
PA	Philadelphia	38.6	41.1	50.5	63.2	73.0	81.7	86.1	84.6	77.8	66.5	54.5	43.0	63.4
	Pittsburgh	34.1	36.8	47.6	60.7	70.8	79.1	82.7	81.1	74.8	62.9	48.8	36.4	56.9
RI	Providence	36.4	37.7	45.5	57.5	67.6	76.6	81.7	80.3	73.1	63.2	51.9	40.5	59.3
SC	Columbia	56.2	59.5	67.1	77.0	83.8	89.2	91.9	91.0	85.5	76.5	67.1	59.8	75.3
SD	Sioux Falls	22.9	29.3	40.1	58.1	70.5	80.3	86.2	83.8	73.5	62.1	43.7	29.3	56.7
TN	Memphis	46.3	53.0	61.4	72.9	81.0	88.4	91.5	90.3	84.3	74.5	61.4	52.3	71.6
	Nashville	46.3	50.7	59.6	71.2	79.2	86.7	89.6	89.0	83.2	72.3	59.2	50.4	69.8
TX	Dallas-Fort Worth	64.0	58.1	67.2	76.8	84.4	93.2	97.6	97.3	89.7	79.6	66.2	56.1	78.9
	El Paso	57.9	62.7	69.6	78.7	87.1	95.9	95.3	93.0	87.5	78.5	65.7	58.2	77.5
	Houston	61.9	65.7	72.1	79.0	85.1	90.9	93.6	93.1	88.7	81.9	71.6	65.2	79.1
UT	Salt Lake City	37.4	43.7	51.5	61.1	72.4	82.3	93.2	90.0	80.0	68.7	50.2	36.8	64.0
VT	Burlington	25.4	27.3	37.7	52.6	66.4	75.8	80.5	77.6	69.8	57.0	43.6	30.3	53.6
VA	Norfolk	48.1	48.9	57.5	68.2	75.7	83.2	86.9	85.7	80.2	69.8	60.6	51.8	68.2
	Richmond	46.7	49.6	58.5	70.6	77.9	84.8	88.4	87.1	81.0	70.5	60.5	50.2	68.6
WA	Seattle-Tacoma	43.9	48.8	61.1	66.9	74.0	80.2	75.2	73.9	68.7	59.5	50.3	45.6	58.9
	Spokane	31.3	36.0	46.2	56.7	66.1	74.0	84.0	81.7	72.4	58.3	41.4	34.2	57.1
WV	Charleston	41.8	45.4	55.4	67.3	76.0	82.5	85.2	84.2	78.7	67.7	55.6	45.9	65.5
WI	Madison	26.0	30.1	39.2	53.5	64.6	75.0	78.8	78.4	71.2	59.6	44.7	32.0	54.6
WY	Cheyenne	27.3	40.7	43.8	54.0	64.6	75.4	83.1	80.8	72.1	61.0	48.5	40.4	59.3
PR	San Juan	82.7	83.2	84.2	85.2	86.7	88.0	87.9	88.2	88.2	87.8	86.7	85.8	88.0

¹ City office data.Source: U.S. National Oceanic and Atmospheric Administration, *Climatology of the United States*, No. 91, Sept. 1962.

No. 351. NORMAL DAILY MINIMUM TEMPERATURE—SELECTED CITIES

(In Fahrenheit degrees. Altitude data except as noted. Based on standard 30-year period, 1951 through 1980)

STATE	STATION	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual avg.
AL	Mobile	49.6	43.2	46.8	57.7	64.8	70.8	73.2	72.9	69.3	57.5	47.9	42.9	57.6
AK	Juneau	16.1	21.9	25.0	31.3	36.1	44.2	47.4	48.6	42.3	36.5	26.0	22.1	33.3
AZ	Phoenix	39.4	42.5	45.7	53.0	61.8	70.8	79.5	77.5	70.9	59.1	40.2	40.2	57.3
AR	Little Rock	28.9	33.0	41.2	50.9	59.2	67.5	71.4	69.0	63.0	50.4	33.2	33.2	50.8
CA	Los Angeles	47.3	48.6	49.7	55.7	58.1	62.8	64.0	62.6	58.5	52.1	47.5	47.5	56.0
	Sacramento	37.9	41.2	42.4	45.3	50.1	55.1	57.9	57.6	50.0	42.8	37.9	37.9	47.6
	San Diego	48.4	50.3	52.1	54.5	58.2	61.2	64.9	66.6	65.1	53.8	48.7	48.7	57.0
	San Francisco	41.5	44.1	44.9	46.8	49.3	52.0	53.3	53.3	54.3	51.2	48.3	48.2	48.9
CO	Denver	15.9	20.2	24.7	33.7	43.6	52.4	56.7	57.0	47.7	36.9	25.1	18.9	38.2
CT	Hartford	16.7	18.6	20.0	27.6	47.3	57.0	61.9	60.0	51.7	40.9	32.5	30.8	38.5
DE	Wilmington	23.2	24.6	32.8	41.8	51.7	61.8	65.3	65.4	58.0	45.9	38.4	27.3	44.5
DC	Washington	27.5	28.0	36.8	46.2	56.1	65.6	69.9	68.7	62.0	49.7	39.9	31.2	48.6
FL	Jacksonville	41.7	48.3	48.3	55.7	63.0	68.1	71.8	71.8	68.2	58.2	48.2	45.2	67.2
	Miami	69.2	59.7	54.1	68.2	71.9	74.8	78.2	78.5	75.7	71.6	65.8	60.8	69.7
GA	Atlanta	32.6	34.6	41.7	50.4	59.7	65.9	69.2	66.7	63.6	51.4	41.3	34.8	51.1
HI	Honolulu	65.3	65.3	67.3	66.7	70.2	71.9	73.1	73.6	72.9	72.2	69.2	66.5	69.7
ID	Boise	22.6	27.9	30.9	35.4	44.0	51.8	58.5	56.7	48.7	38.1	30.5	24.6	38.8
IL	Chicago	13.6	16.1	27.8	36.8	48.1	57.7	62.7	61.7	52.9	42.9	31.4	20.3	39.7
	Peoria	13.3	16.4	26.1	36.6	46.6	56.2	64.6	62.7	54.5	42.9	30.9	20.2	40.6
IN	Indianapolis	17.8	21.1	30.7	41.7	51.5	60.9	64.9	62.7	55.3	43.4	32.8	23.7	42.2
IA	Des Moines	10.1	15.8	25.0	36.9	51.8	61.4	65.3	63.7	54.4	43.3	29.5	17.6	40.0
KS	Wichita	18.4	24.1	32.4	44.5	54.8	64.7	68.9	67.9	58.2	46.9	33.3	24.2	46.1
KY	Louisville	24.1	26.6	35.2	45.6	54.6	63.3	67.5	66.1	58.1	46.2	36.6	29.9	46.2
LA	New Orleans	43.0	44.6	51.8	58.8	65.3	70.8	73.1	70.1	68.0	48.8	44.8	44.8	60.1
ME	Portland	11.9	12.9	23.7	33.0	42.1	51.4	57.3	56.8	47.7	37.9	29.8	16.7	35.0
MD	Baltimore	24.3	25.7	33.4	42.9	52.5	61.5	65.7	65.7	58.1	46.1	36.7	27.9	48.1
MA	Boston	22.8	23.7	31.8	40.8	50.0	59.3	65.1	63.9	55.8	47.1	36.7	27.1	43.6
MI	Detroit	16.1	18.0	26.6	36.9	46.3	56.3	60.7	59.4	52.2	41.2	31.4	21.6	38.9
	South St. Marie	5.4	5.3	15.4	26.0	36.3	46.7	51.9	52.4	45.3	36.9	26.4	12.7	30.5
MN	Duluth	-2.9	2.2	13.8	28.9	39.3	48.2	54.3	52.8	44.3	35.4	21.2	5.9	29.6
	Minneapolis-St. Paul	2.4	3.5	20.8	30.0	47.8	57.7	62.7	60.3	50.2	39.4	25.3	11.7	35.2
MS	Jackson	34.6	37.2	44.2	52.9	60.8	67.9	71.3	70.2	65.1	51.4	42.3	37.1	62.9
MO	Kansas City	17.2	23.0	31.7	44.4	54.6	63.6	68.5	68.5	60.1	47.0	32.7	22.7	44.4
	St. Louis	18.9	24.5	33.0	45.1	54.7	64.3	68.8	68.8	58.5	46.7	35.1	24.6	45.3
MT	Great Falls	9.2	16.9	21.1	31.3	41.1	51.4	54.4	53.0	44.2	34.6	24.6	14.6	39.2
NE	Omaha	10.2	17.1	26.9	40.3	51.8	61.7	66.8	64.2	54.0	42.0	29.6	17.4	40.1
NV	Reno	19.5	23.5	28.4	38.4	48.9	43.0	47.7	45.2	38.6	30.5	23.8	14.6	31.9
NH	Concord	9.0	11.0	22.2	31.6	41.4	51.6	60.4	54.8	46.2	36.5	27.3	14.6	39.4
NJ	Atlantic City	22.6	23.9	31.6	40.4	49.9	58.8	64.6	63.5	56.4	44.8	36.8	28.8	42.1
NM	Albuquerque	22.3	25.9	31.7	38.5	46.6	58.4	64.7	62.8	54.9	43.1	30.7	23.2	42.1
NY	Albany	11.9	14.0	24.6	35.6	45.4	55.0	59.6	57.6	49.8	39.4	30.8	20.8	38.8
	Buffalo	17.0	17.5	25.6	36.3	46.3	56.4	61.2	59.8	52.7	42.7	33.6	22.6	39.3
	New York	25.6	26.6	34.1	43.9	53.3	62.7	69.2	67.1	60.1	49.8	40.8	30.3	48.4
NC	Charlotte	30.7	32.1	38.1	48.4	57.2	64.7	69.7	68.2	62.3	49.8	38.7	29.8	49.4
	Raleigh	29.1	30.9	37.7	48.5	57.3	62.8	67.1	65.8	59.8	47.7	38.1	29.1	47.7
ND	Bismarck	-4.2	3.7	15.9	30.8	42.0	51.8	58.4	54.2	43.2	32.8	17.7	7.7	39.1
OH	Cincinnati	20.4	23.0	32.0	42.4	51.7	60.5	64.9	63.3	55.8	43.9	34.1	26.7	48.2
	Cleveland	18.5	19.8	28.4	38.3	47.9	57.2	61.4	60.5	54.0	43.6	34.3	24.6	40.7
	Columbus	18.4	21.5	30.6	40.5	50.2	59.0	63.2	61.7	54.8	42.8	33.5	24.7	41.8
OK	Oklahoma City	25.2	26.4	37.1	46.8	57.7	66.3	70.6	69.4	61.9	50.2	37.6	28.1	48.6
OR	Portland	33.5	36.0	37.4	40.8	49.4	52.2	55.8	55.6	51.1	44.8	38.6	28.6	44.0
PA	Philadelphia	23.8	25.0	33.1	42.8	52.5	61.5	66.8	65.0	58.6	46.5	37.1	28.0	46.1
	Pittsburgh	18.2	20.7	29.4	39.4	48.5	57.1	61.3	60.1	53.3	42.1	32.3	24.3	40.7
RI	Providence	20.0	20.9	29.2	38.3	47.9	57.0	63.3	61.9	53.8	43.1	34.1	24.1	41.2
SC	Columbia	33.2	33.2	41.9	50.5	59.1	67.1	70.1	68.1	63.8	50.3	40.8	34.7	51.2
SD	Sioux Falls	1.9	6.9	20.6	34.6	46.7	56.3	61.9	60.7	48.5	36.7	22.3	10.1	38.9
TN	Memphis	30.8	34.1	41.9	52.2	60.8	68.9	72.6	70.6	64.1	51.3	41.1	34.3	61.8
	Nashville	27.9	30.1	38.3	48.1	58.9	64.6	69.0	67.6	61.3	48.0	38.0	31.3	48.5
TX	Dallas-Fort Worth	33.8	37.8	44.8	56.0	62.9	70.6	74.7	73.7	67.5	58.2	44.9	37.4	66.0
	El Paso	30.4	34.1	40.5	48.5	56.6	65.7	69.6	67.5	60.6	48.7	37.0	30.6	48.2
	Houston	40.8	43.2	49.8	58.3	64.7	70.2	72.6	72.1	68.1	57.5	48.7	42.7	67.4
UT	Salt Lake City	19.7	24.4	29.8	37.2	45.2	53.3	61.9	66.7	60.0	50.3	39.3	21.8	39.3
VT	Burlington	7.7	8.8	20.8	32.7	44.0	54.0	58.6	58.6	48.7	38.7	29.8	14.9	34.8
VA	Norfolk	31.7	32.3	39.4	48.1	57.2	65.9	69.9	68.6	64.2	52.6	43.0	36.0	60.7
	Richmond	28.5	29.1	35.8	45.1	54.2	62.2	67.2	66.4	60.3	46.7	37.3	29.6	58.1
WA	Seattle-Tacoma	34.3	36.8	37.2	40.5	48.0	51.1	54.3	54.3	51.2	44.8	39.3	30.3	43.9
	Spokane	30.0	25.7	29.0	34.9	43.3	49.3	55.3	54.3	48.5	36.7	28.5	22.7	37.2
WV	Charleston	23.9	24.1	34.1	43.3	51.8	59.4	63.8	62.1	55.8	44.0	36.0	27.6	44.0
WI	Milwaukee	11.3	15.8	24.9	35.6	44.7	54.7	61.1	60.2	52.5	41.9	29.8	18.2	37.6
WY	Cheyenne	14.6	17.9	26.6	36.7	46.5	54.6	62.6	63.7	54.0	43.1	34.1	24.2	48.1
PR	San Juan	70.3	70.0	70.8	72.3	73.9	75.3	76.1	76.1	75.6	74.8	73.4	71.8	73.4

* City office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Climatology of the United States*, No. 61, Sept. 1982.

No. 362. HIGHEST TEMPERATURE OF RECORD—SELECTED CITIES

In Fahrenheit degrees. Airport data unless otherwise noted. For period of record through 1987, except as noted¹

STATE	STATION	Length of record (yr.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
AL	Mobile	46	81	82	90	94	100	102	104	102	98	95	87	81	104
AK	Juneau ²	43	57	55	58	71	82	88	90	83	72	61	58	54	80
AZ	Phoenix	50	88	92	98	104	113	117	116	119	118	107	93	88	116
AR	Little Rock	45	83	88	91	95	98	104	112	108	106	97	88	80	112
CA	Los Angeles	52	86	92	93	95	97	104	97	98	110	108	101	94	110
	Sacramento	37	70	78	84	93	105	115	114	108	108	101	87	72	111
	San Diego	47	86	88	93	92	95	101	95	98	111	107	97	88	111
	San Francisco	80	72	78	85	92	97	108	104	95	103	98	85	75	108
CO	Denver	53	73	78	84	95	104	104	101	97	88	79	75	104	104
CT	Hartford	33	65	73	87	96	97	100	102	101	98	91	81	74	102
DE	Wilmington	40	75	78	88	94	95	99	102	101	98	91	85	74	102
DC	Washington	48	79	82	88	95	97	101	108	101	101	94	88	75	103
FL	Jacksonville	48	85	88	91	95	100	103	105	102	100	98	86	81	105
	Miami	45	86	88	92	95	94	98	98	98	97	95	88	87	98
GA	Atlanta	38	79	79	85	93	95	101	105	102	98	85	84	77	105
HI	Honolulu	18	87	88	88	88	92	92	92	93	94	84	88	81	94
ID	Boise	48	63	71	81	92	96	109	111	110	102	91	73	68	111
IL	Chicago	29	61	71	88	91	93	98	102	99	99	91	78	71	103
	Peoria	48	66	72	88	92	93	100	103	102	100	90	81	71	103
IN	Indianapolis	48	71	74	85	89	93	102	104	100	100	90	81	74	104
IA	Des Moines	48	62	73	91	93	101	105	106	101	95	76	68	108	108
KS	Wichita	35	75	84	95	98	100	110	113	110	105	95	85	83	113
KY	Louisville	40	77	77	88	91	95	102	105	101	104	82	84	78	105
LA	New Orleans	41	83	85	88	92	95	100	101	108	101	92	87	84	102
ME	Portland	47	64	64	68	65	94	87	98	103	95	88	74	68	103
MD	Baltimore	37	75	79	87	94	96	102	102	105	100	92	83	77	105
MA	Boston	38	70	70	81	84	95	100	102	102	100	90	78	73	102
MI	Detroit	29	62	65	81	88	92	99	102	97	98	91	77	68	102
	South St. Marie	47	45	47	75	83	89	93	97	98	85	80	65	60	88
MN	Duluth	46	52	55	78	88	90	93	97	97	95	88	70	55	87
	Minneapolis-St. Paul	49	58	60	83	95	96	102	104	102	98	88	75	63	104
MS	Jackson	24	82	84	89	94	99	103	106	102	104	95	88	84	108
MO	Kansas City	15	68	76	86	93	92	105	107	108	98	92	82	70	108
	St. Louis	30	78	85	88	92	92	98	107	107	104	94	82	78	107
MT	Great Falls	50	62	68	78	88	93	98	105	108	98	91	75	68	108
NE	Omaha	51	68	78	88	93	98	105	114	110	108	98	88	72	114
NV	Reno	48	70	75	83	88	98	101	104	105	101	91	77	70	108
NH	Concord	48	68	68	85	85	98	98	101	101	101	90	80	68	108
NJ	Atlantic City	44	78	75	87	94	98	108	104	102	102	98	84	75	108
NM	Albuquerque	48	68	78	85	88	98	105	105	101	100	91	77	72	105
NY	Albany	41	62	67	82	82	94	100	99	100	99	89	82	71	100
	Buffalo	44	72	65	81	88	90	95	94	98	98	87	80	74	99
	New York ²	119	72	75	88	95	98	101	105	104	102	94	84	72	108
NC	Charlotte	48	78	81	90	93	100	103	103	103	104	98	85	77	104
	Raleigh	43	78	84	92	95	97	104	104	101	104	98	86	79	105
ND	Bismarck	48	62	68	81	93	98	100	108	108	105	95	75	65	108
OH	Cincinnati	25	68	73	84	93	93	97	101	102	98	88	81	75	102
	Cleveland	46	73	88	83	88	92	101	103	102	101	88	82	77	108
	Columbus	48	74	73	85	88	94	102	100	101	100	90	80	75	102
OK	Oklahoma City	34	80	84	93	100	104	105	109	110	102	98	87	85	110
OR	Portland	47	83	70	80	87	100	100	107	107	101	92	73	64	107
PA	Philadelphia	46	74	74	87	95	98	100	104	101	100	98	81	72	104
	Pittsburgh	35	68	68	82	85	91	95	98	97	97	87	82	74	99
RI	Providence	34	65	72	78	88	94	98	100	104	100	98	78	70	104
SC	Columbia	40	84	84	91	94	101	107	107	107	101	101	80	83	107
SD	Sioux Falls	42	65	70	87	94	100	101	108	108	104	94	78	61	105
TN	Memphis	48	78	81	85	94	98	104	108	105	103	95	85	81	108
	Nashville	48	78	84	88	90	97	108	107	104	105	94	88	78	107
TX	Dallas-Fort Worth	34	88	88	95	95	103	113	110	108	106	102	88	88	113
	El Paso	48	80	83	88	98	104	111	112	108	104	98	87	80	112
	Houston	18	84	81	90	95	95	103	104	107	102	94	88	83	107
UT	Salt Lake City	58	62	68	78	85	93	104	107	104	100	89	75	67	107
VT	Burlington	44	63	62	84	91	93	95	99	101	94	85	75	65	101
VA	Norfolk	38	63	81	88	97	97	101	103	104	94	85	68	60	104
	Richmond	58	63	83	93	98	100	104	105	102	103	98	85	78	105
WA	Seattle	43	70	75	88	93	95	98	98	98	94	88	74	63	98
	Spokane	40	61	71	90	95	100	103	108	108	98	88	67	58	108
WV	Charleston	40	78	87	92	93	98	102	100	100	98	82	65	60	102
WI	Milwaukee	47	62	65	82	91	92	101	101	100	98	88	77	68	101
WY	Cheyenne	52	65	71	74	82	90	100	100	100	98	83	73	68	100
PR	San Juan	28	82	85	88	97	95	97	95	97	97	88	81	88	98

¹ For period of record through 1986.² City office data.Source: U.S. National Oceanic and Atmospheric Administration, *Compendium Climatic Data*, annual.

No. 352. LOWEST TEMPERATURE OF RECORD—SELECTED CITIES

(In Fahrenheit degrees. Report data unless otherwise noted. For period of record through 1987, except as noted)

STATE	STATION	Length of record (yr.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
AL	Mobile	46	3	11	21	32	43	49	60	69	42	32	22	8	8
AK	Juneau ¹	43	-22	-22	-15	6	25	31	36	27	23	11	-5	-21	-22
AZ	Phoenix	80	17	22	25	32	40	50	61	60	47	34	25	22	17
AR	Little Rock	46	-4	-5	11	26	40	46	54	52	37	30	17	-1	-5
CA	Los Angeles	62	29	32	34	39	43	46	49	51	47	41	34	32	29
	Sacramento	37	23	26	25	32	36	41	48	49	43	36	26	20	20
	San Diego	47	29	36	41	41	46	51	55	57	51	43	36	34	41
	San Francisco	60	24	25	30	31	36	41	43	42	36	34	25	20	20
CO	Denver	53	-5	-11	-11	-2	22	30	43	41	17	3	-6	-21	-20
CT	Hartford	53	-26	-21	-6	9	26	37	44	36	30	17	6	-14	-14
DE	Wilmington	40	-14	-6	2	16	30	41	50	43	36	34	14	-7	-14
DC	Washington	46	-6	4	11	24	34	47	55	49	39	29	18	1	-6
FL	Jacksonville	46	7	19	23	34	45	47	61	63	48	26	21	11	7
	Miami	45	30	32	32	46	53	60	66	66	51	39	29	20	30
GA	Atlanta	39	-6	5	10	25	37	46	53	55	36	26	8	0	-8
HI	Honolulu	18	53	53	55	57	60	65	67	67	66	66	55	54	55
IL	Chicago	29	-27	-17	-8	7	24	36	40	41	26	17	-1	-25	-27
	Peoria	48	-25	-18	-10	14	25	39	47	41	26	16	-2	-18	-25
IN	Indianapolis	48	-22	-21	-7	16	26	36	44	41	26	17	-2	-17	-22
IA	Des Moines	48	-24	-20	-22	9	30	36	47	40	36	14	-9	-19	-24
KS	Wichita	35	-12	-21	-2	15	31	41	51	46	31	21	1	-10	-21
KY	Louisville	40	-20	-18	-1	22	31	41	50	46	36	23	-1	-9	-20
LA	New Orleans	41	14	19	25	32	41	50	60	60	42	35	24	14	14
ME	Portland	47	-28	-30	-21	6	16	26	40	39	23	15	8	-21	-28
MD	Baltimore	37	-7	-3	6	20	30	40	51	45	25	15	0	-7	-7
MA	Boston	36	-12	-4	6	16	34	45	54	47	36	26	16	-7	-12
MI	Detroit	39	-21	-16	-4	19	25	36	41	36	29	17	9	-10	-21
	Sault Ste. Marie	47	-35	-24	-2	16	26	36	46	39	25	16	-10	-25	-35
MN	Duluth	46	-39	-32	-26	-5	17	27	36	32	22	8	-23	-34	-39
	Minneapolis-St. Paul	49	-34	-26	-32	2	16	34	43	39	26	16	-17	-29	-34
MS	Jackson	24	2	11	15	27	36	47	51	55	35	30	17	7	2
MO	Kansas City	15	-17	-19	-10	12	30	43	52	43	33	21	1	-21	-21
	St. Louis	30	-18	-10	-5	22	31	43	51	47	36	23	1	-19	-19
MT	Great Falls	50	-37	-35	-29	-5	15	31	40	35	21	-9	-25	-49	-43
NE	Omaha	51	-25	-21	-16	6	27	36	44	49	25	18	-6	-21	-25
NV	Reno	46	-18	-12	-2	13	16	26	36	34	20	8	1	-16	-18
NH	Concord	46	-39	-37	-16	6	21	36	36	29	21	10	-1	-22	-37
NJ	Atlantic City	44	-10	-11	5	12	25	36	46	40	32	23	11	-7	-11
NM	Albuquerque	46	-17	-5	6	19	26	40	52	52	37	25	-7	5	-17
NY	Albany	41	-26	-21	-21	19	26	36	40	34	24	16	6	-22	-26
	Buffalo	44	-16	-20	-7	12	25	36	43	36	32	20	6	-16	-20
	New York ²	119	-6	-15	3	12	22	44	52	60	39	26	6	-13	-15
NC	Charlotte	46	-5	5	4	24	32	45	53	59	36	24	11	8	-8
	Raleigh	43	-9	6	11	23	31	36	46	46	37	19	11	4	-9
ND	Bismarck	46	-44	-39	-31	-12	15	30	36	39	11	5	-30	-43	-44
OH	Cincinnati	36	-25	-11	-11	17	27	36	47	43	26	16	1	-12	-25
	Cleveland	46	-19	-15	-5	10	25	31	41	36	32	22	3	-11	-19
	Columbus	46	-19	-19	-6	14	25	35	43	39	31	20	5	-12	-19
OK	Oklahoma City	34	-4	-3	3	20	37	47	53	51	32	22	11	-3	-4
OR	Portland	47	-2	-3	19	29	39	46	43	44	34	26	13	6	-3
PA	Philadelphia	46	-7	-4	7	19	26	44	51	44	35	25	15	1	-7
	Pittsburgh	35	-18	-12	-1	14	25	34	42	36	31	16	-1	-12	-18
RI	Providence	34	-13	-7	1	14	26	41	46	40	33	20	14	-10	-13
SC	Columbia	40	-1	5	4	26	34	44	54	53	39	23	12	4	-1
SD	Sioux Falls	42	-26	-31	-23	5	17	36	36	34	22	9	-17	-26	-26
TN	Memphis	46	-4	-11	12	26	36	46	52	48	36	25	9	-13	-13
	Nashville	46	-17	-19	2	23	34	42	51	47	36	26	-1	-7	-17
TX	Dallas-Fort Worth	34	4	7	15	30	41	51	59	66	43	29	20	5	4
	El Paso	46	-8	8	14	23	31	46	57	56	41	25	1	5	-8
	Houston	19	12	20	22	31	44	52	62	62	36	16	10	11	11
UT	Salt Lake City	59	-22	-22	2	14	25	35	40	37	27	16	-14	-21	-20
VT	Burlington	44	-30	-20	-20	2	24	33	46	35	25	15	-2	-26	-30
VA	Norfolk	39	-3	8	18	29	36	45	54	46	45	27	20	7	-3
	Richmond	59	-12	-10	11	23	31	40	51	46	35	21	10	-1	-12
WA	Seattle	43	0	1	11	23	28	36	43	44	35	26	6	6	0
	Spokane	40	-22	-17	-3	17	24	33	37	36	24	11	-21	-25	-25
WV	Charleston	40	-15	-6	0	19	26	33	46	41	34	17	6	-10	-15
WI	Madison	47	-20	-18	-10	12	21	33	40	44	26	18	-5	-20	-20
	Cheyenne	52	-20	-34	-21	-8	16	25	36	36	8	2	-14	-26	-34
PR	San Juan	33	61	62	60	64	66	66	69	70	66	67	66	63	66

¹ For period of record through 1988.² City office data.Source: U.S. National Oceanic and Atmospheric Administration, *Comprehensive Climatic Data*, annual.

No. 384. NORMAL MONTHLY AND ANNUAL PRECIPITATION—SELECTED CITIES

[In inches. Airport data except as noted. Based on standard 30-year period, 1951 through 1980. See *Historical Statistics, Colonial Times to 1970*, series J 184-287, for related data.]

STATE	STATION	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
AL	Mobile	4.59	4.91	6.48	5.35	5.48	5.07	7.74	6.75	6.56	2.82	3.67	5.44	64.64
AK	Juneau	3.69	3.74	3.34	2.92	3.41	2.96	4.13	5.02	6.40	7.71	5.15	4.66	53.15
AZ	Phoenix	73	56	81	27	14	17	74	1.02	64	63	54	83	7.11
AR	Little Rock	3.91	3.63	4.89	5.41	5.29	3.67	3.63	3.07	4.26	2.84	4.37	4.23	49.20
CA	Los Angeles	3.06	2.49	1.76	93	14	.04	01	10	15	26	1.52	1.62	12.08
	Sacramento	4.03	2.89	2.08	1.31	.33	11	05	07	27	.85	2.23	2.90	17.10
	San Diego	2.11	1.43	1.60	78	.24	06	01	11	19	33	1.10	1.36	9.32
	San Francisco	4.65	3.23	2.64	1.53	.32	11	03	05	19	1.06	2.35	3.55	19.71
CO	Denver	51	69	1.21	1.81	2.47	1.58	1.93	1.53	1.23	.96	.82	.55	15.31
CT	Hartford	3.53	3.18	4.15	4.02	3.37	3.39	3.09	4.00	3.94	3.51	4.06	4.16	44.39
DE	Wilmington	3.11	2.99	3.87	3.39	3.23	3.51	3.90	4.03	3.59	2.89	3.39	3.54	41.39
DC	Washington	2.76	2.62	3.46	2.93	3.46	3.35	3.99	4.40	3.22	2.90	2.62	3.16	39.00
FL	Jacksonville	3.07	3.49	3.72	3.32	4.91	5.37	6.54	7.15	7.26	3.41	1.94	2.59	52.78
	Miami	2.08	2.05	1.89	3.07	6.53	9.15	5.86	7.02	8.07	7.14	2.71	1.86	57.55
GA	Atlanta	4.91	4.43	5.91	4.43	4.02	3.41	4.73	3.41	3.17	2.53	3.43	4.23	48.61
HI	Honolulu	3.79	2.72	3.46	1.49	1.21	49	54	60	.62	1.86	3.22	3.43	23.47
ID	Boise	1.64	1.07	1.03	1.19	1.21	.95	.26	40	58	75	1.29	1.34	11.71
IL	Chicago	1.60	1.31	2.59	3.65	3.15	4.08	3.63	3.53	3.35	2.25	2.06	2.10	33.34
	Peoria	1.60	1.41	2.86	3.61	3.84	3.88	3.99	3.39	3.63	2.51	1.96	2.01	34.89
IN	Indianapolis	2.65	2.49	3.61	3.68	3.66	3.99	4.32	3.45	2.74	2.51	3.04	3.00	39.12
IA	Des Moines	1.01	1.12	2.20	3.21	3.96	4.16	3.22	4.11	3.09	2.16	1.52	1.05	30.89
KS	Wichita	.68	.65	2.01	2.30	3.91	4.08	3.62	2.80	3.45	2.47	1.47	.99	28.61
KY	Louisville	3.36	■	4.73	4.11	4.15	3.60	4.10	3.31	3.35	2.83	3.49	3.48	43.58
LA	New Orleans	4.97	5.23	4.73	4.50	5.07	4.63	6.73	6.02	5.87	2.■	4.06	5.27	59.74
ME	Portland	3.78	3.57	3.98	3.90	3.27	3.08	2.83	2.82	3.27	3.83	4.70	4.51	43.52
MD	Baltimore	3.00	2.98	3.72	3.35	3.44	3.78	3.89	4.62	3.46	3.11	3.11	3.40	41.84
MA	Boston	3.89	3.70	4.13	3.73	3.52	2.92	2.68	3.68	3.41	3.36	4.21	■	43.51
MI	Detroit	1.86	1.69	2.54	3.15	2.77	3.43	3.10	3.21	2.25	2.12	2.33	2.52	30.97
	Sault Ste. Marie	2.20	1.89	2.03	2.39	2.90	3.26	3.00	3.46	3.90	2.89	3.20	2.57	39.49
MN	Duluth	1.20	.90	1.78	2.16	3.15	3.96	3.96	4.12	3.26	2.21	■	1.29	29.68
	Minneapolis-St. Paul	.82	.65	1.71	2.05	3.20	4.07	3.51	3.64	2.50	1.85	1.29	.87	26.39
MS	Jackson	5.00	4.48	5.66	5.85	4.83	2.94	4.40	3.71	3.55	2.62	4.18	5.40	52.62
MO	Kansas City	1.06	1.19	2.41	3.23	4.42	4.68	4.35	3.57	4.14	3.10	1.63	1.36	35.16
	St. Louis	1.72	2.14	3.29	3.55	3.54	3.73	3.63	2.55	2.70	2.32	2.53	■	33.91
MT	Great Falls	1.00	.75	.93	1.49	2.52	2.75	1.10	1.31	1.03	.82	.74	.80	15.24
NE	Omaha	.77	.91	1.91	2.94	4.33	4.08	3.62	4.10	3.50	2.09	1.32	.77	30.34
NV	Reno	1.24	.95	.74	.46	.74	.34	.30	.27	.30	■	.80	1.21	7.49
NH	Concord	2.78	2.47	2.93	3.01	2.93	2.91	2.93	3.25	3.12	3.10	3.69	3.43	39.59
NJ	Atlantic City	3.47	3.34	4.04	3.20	3.07	2.78	4.02	4.72	2.69	3.06	3.73	3.61	41.99
NM	Albuquerque	.41	.40	.52	.40	.46	.51	1.30	1.51	.85	.86	.38	.52	5.12
NY	Albany	2.39	2.26	3.01	2.94	3.31	3.29	3.00	3.34	3.23	2.83	3.04	3.00	35.74
	Buffalo	3.02	2.40	2.97	3.06	2.89	2.72	2.95	4.16	3.37	2.83	3.62	3.42	37.52
	New York	3.21	3.13	4.22	3.75	3.76	3.23	3.77	4.03	3.69	3.41	4.14	3.81	44.12
NC	Charlotte	3.80	3.81	■	3.27	3.64	3.57	3.92	3.75	3.59	2.72	2.86	3.40	43.18
	Raleigh	3.55	3.49	3.69	2.91	3.67	3.68	4.38	4.44	3.29	2.73	2.67	3.14	41.78
ND	Bismarck	.51	.45	.70	1.51	2.23	3.01	2.05	1.69	1.38	.81	.51	.51	15.38
OH	Cincinnati	3.13	2.73	3.95	3.58	3.84	4.09	4.26	2.97	2.91	2.54	3.12	3.00	40.14
	Cleveland	2.47	2.20	2.99	3.32	3.30	3.49	3.37	3.38	2.92	2.45	2.76	2.75	35.40
	Columbus	2.75	2.16	3.23	3.41	3.76	4.01	4.01	3.70	2.76	1.91	2.64	2.61	36.97
OK	Oklahoma City	.96	1.29	2.07	2.91	5.50	3.87	3.04	2.40	3.41	2.71	1.53	1.20	30.89
OR	Portland	6.18	3.93	3.61	2.31	2.08	1.47	.46	1.13	1.61	3.05	5.17	6.41	37.39
PA	Philadelphia	2.16	2.81	3.86	3.47	3.18	3.92	3.66	4.10	3.42	2.83	3.32	3.45	41.42
	Pittsburgh	2.89	2.40	3.58	3.29	3.54	3.30	3.63	3.31	2.80	2.49	2.34	2.57	36.30
RI	Providence	4.08	3.72	4.29	3.95	3.48	2.79	3.01	4.04	3.54	3.75	4.22	4.47	45.32
SC	Columbia	4.38	3.99	5.16	3.59	3.85	4.45	5.35	5.56	4.23	2.55	2.51	3.50	49.12
SD	Sioux Falls	.50	.90	1.56	2.36	3.21	3.70	2.71	3.13	2.79	1.57	.92	.72	24.12
TN	Memphis	4.61	4.23	5.44	5.77	5.06	3.58	4.03	3.74	3.62	2.37	4.17	4.85	51.57
	Nashville	4.48	4.03	5.58	4.47	4.56	3.70	3.62	3.40	3.71	2.56	3.52	4.63	48.49
TX	Dallas-Fort Worth	1.65	■	2.42	3.63	4.27	2.59	2.00	1.76	3.31	2.47	1.76	1.67	29.46
	El Paso	.38	.45	.32	.19	.24	.56	1.60	1.21	1.42	.73	.33	.38	7.62
	Houston	3.21	3.25	2.68	4.24	4.89	4.06	3.33	3.65	4.93	3.67	3.38	3.66	44.76
UT	Salt Lake City	1.35	1.33	1.72	2.21	1.47	.97	.72	.92	.99	1.14	1.22	1.37	15.31
VT	Burlington	1.85	1.73	2.20	2.77	2.96	3.64	3.43	3.67	3.20	2.81	2.80	2.43	33.89
VA	Norfolk	3.72	3.28	3.86	2.67	3.75	3.45	5.15	5.33	4.35	3.41	2.68	3.17	45.22
	Richmond	3.23	3.13	3.57	2.90	3.55	3.60	5.14	5.01	3.52	3.74	3.29	3.39	44.07
WA	Seattle-Tacoma	6.04	4.22	3.59	2.40	1.56	1.36	.74	1.27	2.02	3.43	5.60	6.39	38.60
	Spokane	2.47	1.61	1.36	1.08	1.38	1.23	.50	.74	.71	1.06	2.06	2.48	16.71
WV	Charleston	3.48	3.11	4.00	3.52	3.68	3.32	6.36	4.15	3.01	2.63	2.90	3.27	42.43
WI	Milwaukee	1.64	1.33	2.58	3.37	2.86	3.59	3.54	3.09	■	2.25	1.98	2.09	30.94
WY	Cheyenne	.41	.40	.97	1.24	2.39	2.00	1.67	1.39	1.06	.69	.53	.37	13.31
PR	San Juan	3.01	2.02	2.31	3.62	5.84	4.66	4.87	5.93	5.99	5.89	5.59	4.46	53.99

¹ City office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Climatology of the United States*, No. 81, Sept. 1962

NO. 985. AVERAGE NUMBER OF DAYS WITH PRECIPITATION OF .01 INCH OR MORE—SELECTED CITIES

[Airport data, except as noted. For period of record through 1967, except as noted. Annual data may not equal the sum of the monthly values due to rounding]

STATE	STATION	Length of record (yr.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
AL	Mobile	46	11	10	11	7	8	11	16	14	10	8	8	10	123
AK	Juneau ¹	43	18	17	18	17	17	16	17	18	20	24	19	21	230
AZ	Phoenix	48	4	4	4	2	1	1	4	5	5	3	3	4	36
AR	Little Rock	45	8	8	10	10	10	8	8	7	7	7	8	9	108
CA	Los Angeles	52	6	6	8	3	1	1	1	(2)	1	2	4	6	36
	Sacramento	48	10	8	8	6	3	1	(2)	(2)	1	3	7	8	68
	San Diego	47	7	6	7	5	2	1	(2)	1	1	3	6	8	43
	San Francisco	80	11	10	10	8	3	1	(2)	(2)	1	4	7	10	82
CO	Denver	53	6	6	9	9	11	9	9	8	6	5	6	5	88
CT	Hartford	33	11	10	11	11	12	11	10	10	8	8	11	12	127
DE	Wilmington	40	11	10	11	11	11	10	9	8	8	8	10	10	117
DC	Washington	46	10	8	11	10	11	10	10	8	8	7	8	9	111
FL	Jacksonville	46	8	8	8	8	8	12	15	14	13	8	8	8	116
	Miami	46	8	8	8	8	10	15	16	17	17	14	9	7	129
GA	Atlanta	63	11	10	11	9	9	10	12	8	8	8	8	10	116
HI	Honolulu	38	10	9	9	9	7	6	8	6	7	8	9	10	100
ID	Boise	48	12	10	10	8	8	6	2	3	4	6	10	11	81
IL	Chicago	29	11	10	12	12	11	10	10	9	10	9	10	12	127
	Pearle	46	8	8	11	12	11	10	8	8	8	8	9	10	114
IN	Indianapolis	48	12	10	13	12	12	10	9	8	8	8	10	12	136
IA	Des Moines	46	7	7	10	11	11	11	9	9	9	8	7	8	107
KS	Wichita	34	8	5	8	8	11	8	7	8	8	8	5	6	88
KY	Louisville	40	11	11	13	12	12	10	11	8	8	8	10	11	126
LA	New Orleans	39	10	8	9	7	8	11	15	13	10	8	7	10	114
ME	Portland	47	11	10	11	12	13	11	10	8	8	8	12	12	128
MD	Baltimore	37	10	8	11	11	11	8	8	10	7	7	9	9	113
MA	Boston	36	12	10	12	11	12	11	8	10	8	8	11	12	126
MI	Detroit	29	13	11	13	12	11	11	9	9	10	9	12	14	136
	Sault Ste. Marie	48	19	16	19	11	11	12	10	11	13	13	17	20	186
MN	Duluth	46	12	10	11	10	12	13	11	11	12	10	11	12	134
	Minneapolis-St. Paul	48	8	7	10	10	11	12	10	10	10	8	8	9	115
MS	Jackson	24	11	8	10	8	10	8	10	10	8	6	8	10	108
MO	Kansas City	18	7	7	11	11	11	11	7	8	8	8	8	8	107
	St. Louis	30	8	8	11	11	11	10	8	8	8	8	10	9	111
MT	Great Falls	50	8	8	8	8	12	12	7	8	7	8	7	8	101
NE	Omaha	61	6	7	9	10	12	11	8	9	9	7	6	6	88
NV	Reno	45	6	6	8	4	4	3	2	2	2	3	5	6	61
NH	Concord	48	11	10	11	12	12	11	10	16	8	8	11	11	125
NJ	Atlantic City	44	11	10	11	11	10	9	8	8	8	7	8	10	112
NM	Albuquerque	48	4	4	5	3	4	4	8	8	6	5	3	4	61
NY	Albany	41	12	10	12	12	13	11	10	10	10	8	12	13	134
	Buffalo	44	20	17	16	14	12	10	10	11	11	12	16	20	168
	New York ²	118	11	10	11	11	11	10	10	10	8	8	8	10	121
NC	Charlotte	48	10	10	11	9	10	10	11	9	7	7	8	10	111
	Raleigh	43	10	10	10	9	10	8	11	10	8	7	8	8	111
ND	Bismarck	48	8	7	8	8	10	12	9	9	7	6	6	8	87
OH	Cincinnati	40	12	11	13	13	11	11	10	9	8	8	11	12	129
	Cleveland	46	16	14	15	14	13	11	10	10	10	11	14	16	168
	Columbus	46	13	12	14	13	13	11	11	9	8	8	11	13	137
OK	Oklahoma City	48	5	6	7	8	10	9	8	6	7	6	5	6	82
OR	Portland	47	18	18	17	14	12	8	4	5	8	13	18	18	162
PA	Philadelphia	47	11	9	11	11	11	10	9	9	8	8	9	10	117
	Pittsburgh	36	18	14	16	14	12	12	11	10	9	11	13	17	184
RI	Providence	34	11	10	12	11	11	11	9	10	8	8	11	12	124
SC	Columbia	40	10	10	11	8	8	9	12	11	8	8	7	9	108
SD	Sioux Falls	42	6	6	9	9	10	11	9	9	8	6	6	6	87
TN	Memphis	37	10	8	11	10	8	8	9	8	7	8	8	10	108
	Nashville	46	11	11	12	11	11	9	10	9	8	7	10	11	119
TX	Dallas-Fort Worth	34	7	7	7	6	8	8	5	5	7	6	6	6	78
	El Paso	48	4	3	2	2	2	4	8	3	5	4	3	4	48
	Houston	18	10	8	9	7	8	9	9	10	10	8	8	8	108
UT	Salt Lake City	59	10	9	10	9	6	5	5	6	5	6	8	9	81
VT	Burlington	44	14	12	13	12	14	13	12	12	12	12	14	15	154
VA	Norfolk	39	10	10	11	10	10	9	11	10	8	8	8	8	114
	Richmond	50	10	8	11	8	11	9	11	10	8	7	8	9	113
WA	Seattle	43	18	16	17	14	10	9	8	8	8	13	18	20	188
	Spokane	40	14	12	11	9	9	8	4	5	6	8	12	15	113
WV	Charleston	40	16	14	15	14	13	11	13	11	8	10	12	14	151
WI	Milwaukee	47	11	10	12	12	12	11	10	9	8	8	10	11	128
WY	Cheyenne	52	6	6	9	10	12	11	11	10	7	6	6	5	88
PR	San Juan	32	16	13	12	13	17	16	19	18	17	17	16	19	186

Z Less than 1/2 day For period of record through 1966. ¹ For period of record through 1964. City office data.
Source: U.S. National Oceanic and Atmospheric Administration, *Comprehensive Climatic Data*, annual.

No. 388. SNOW AND ICE PELLETS

(In inches. Apert data, except as noted. For period of record through 1987. T denotes trace)

STATE	STATION	Length of record (yr.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
AL	Mobile	46	.1	.1	-	T	-	-	-	-	-	-	T	.1	.3
AK	Juneau	43	25.8	18.0	16.3	4.0	-	-	-	-	-	1.1	11.1	22.8	68.9
AZ	Phoenix	80	T	-	T	T	-	-	-	-	-	-	-	-	T
AR	Little Rock	45	2.3	1.8	.8	T	-	-	-	-	-	-	.2	.7	5.3
CA	Los Angeles	82	T	T	-	-	-	-	-	-	-	-	-	T	T
	Sacramento	39	T	.1	T	-	-	-	-	-	-	-	-	T	.1
	San Diego	47	T	-	T	-	-	-	-	-	-	-	-	T	T
	San Francisco	60	-	T	T	-	-	-	-	-	-	-	-	-	T
CO	Denver	59	7.8	7.5	12.8	9.3	1.8	-	-	-	17	2.7	8.4	7.3	62.9
CT	Hartford	39	12.4	11.7	10.0	1.7	-	-	-	-	-	.1	2.1	10.8	48.8
DE	Wilmington	40	6.9	6.5	3.4	.2	T	-	-	-	-	.1	.9	3.3	21.3
DC	Washington	44	3.5	5.8	2.1	-	T	-	-	-	-	-	-	3.1	17.4
FL	Jacksonville	46	T	-	-	-	-	-	-	-	-	-	-	T	T
	Miami	45	-	-	-	-	-	-	-	-	-	-	-	-	-
GA	Atlanta	58	.8	.5	.4	T	-	-	-	-	-	-	-	.2	1.8
HI	Honolulu	41	-	-	-	-	-	-	-	-	-	-	-	-	-
ID	Boise	48	6.9	3.7	1.8	.7	1	T	T	-	-	.1	2.9	6.8	21.4
IL	Chicago	29	11.4	7.9	7.1	1.8	1	-	-	-	T	.3	2.1	9.1	39.8
	Peoria	44	8.8	5.1	4.3	.8	-	-	-	-	-	-	2.1	8.0	25.2
IN	Indianapolis	66	8.3	5.9	3.5	.5	T	-	-	-	-	-	1.9	4.8	22.9
IA	Des Moines	48	8.4	7.1	6.8	2.1	-	-	-	-	T	.3	2.8	6.9	34.4
KS	Wichita	34	4.8	4.6	2.5	.3	-	-	-	-	-	-	1.3	3.5	17.0
KY	Louisville	40	5.7	4.8	3.5	.2	-	-	-	-	-	T	1.2	2.1	17.3
LA	New Orleans	41	-	1	T	-	-	-	-	-	-	-	T	.1	.2
ME	Portland	47	19.7	17.3	12.8	2.9	.2	-	-	-	T	.2	3.2	15.1	71.5
MD	Baltimore	37	6.1	7.2	3.9	.1	T	-	-	-	-	-	1.1	3.5	21.9
MA	Boston	52	12.5	11.4	7.8	1.0	-	-	-	-	-	-	1.4	7.8	41.5
MI	Detroit	29	10.4	9.7	7.0	1.8	T	-	-	-	-	.1	3.3	10.7	42.0
	South St. Marie	48	25.3	19.1	14.9	5.3	.8	T	-	T	.1	2.2	14.8	29.8	114.9
MN	Duluth	44	16.8	11.5	13.7	6.4	.8	-	-	T	-	1.3	10.9	15.4	78.8
	Minneapolis-St. Paul	49	9.9	8.3	11.0	3.0	1	-	-	-	-	.4	6.9	9.5	49.1
MS	Jackson	34	.5	.2	.2	-	-	-	-	-	-	-	-	-	1.0
MO	Kansas City	59	5.9	4.3	3.7	.8	T	-	-	-	-	-	1.0	4.8	20.3
	St. Louis	51	5.5	4.4	4.2	.4	T	-	-	-	-	T	1.4	3.7	19.7
MT	Great Falls	50	9.8	8.4	10.1	7.2	1.6	.3	T	T	1.5	3.2	7.5	8.7	69.3
NE	Omaha	52	7.6	6.8	6.7	.9	1	-	-	-	T	.3	2.5	5.6	30.5
NEV	Reno	45	5.9	4.8	4.8	1.4	.9	-	-	-	-	.4	2.3	4.3	24.8
NH	Concord	48	16.2	14.5	10.9	2.4	1	-	-	-	-	.1	4.1	14.0	64.3
NJ	Atlantic City	43	5.5	5.8	2.7	.3	T	-	-	-	-	T	.3	2.2	16.8
NM	Albuquerque	48	2.8	2.2	1.8	.8	-	-	-	-	T	.1	1.1	2.5	10.9
NY	Albany	41	15.6	14.0	11.3	3.0	.1	-	-	-	-	.2	4.8	15.7	65.5
	Buffalo	44	24.5	17.7	11.5	3.1	1	T	-	-	T	.2	12.0	22.8	92.3
	New York ¹	119	7.8	6.7	5.0	.9	T	-	-	-	-	-	.9	5.5	28.6
NC	Charlotte	48	2.0	1.8	1.4	-	-	-	-	-	-	-	1	.5	5.9
	Raleigh	43	2.4	2.8	1.5	-	-	-	-	-	-	-	.2	.8	7.5
ND	Bismarck	48	7.1	6.7	8.4	3.8	.8	T	-	-	.3	1.3	5.9	6.8	41.0
OH	Cincinnati	40	7.3	5.5	4.4	.5	T	-	-	-	-	-	2.2	3.7	23.6
	Cleveland	48	12.8	11.5	10.2	2.3	1	-	-	-	T	.7	5.1	11.8	54.1
	Columbus	40	6.5	6.3	4.5	1.0	T	-	-	-	T	-	2.5	5.5	28.5
OK	Oklahoma City	48	3.0	2.7	1.4	-	-	-	-	-	-	T	.3	1.7	8.3
OR	Portland	47	3.5	.8	.4	T	-	T	-	-	T	-	.5	1.5	6.8
PA	Philadelphia	45	6.5	6.9	3.8	.9	T	-	-	-	-	-	.8	3.5	21.8
	Pittsburgh	35	12.1	9.8	8.3	1.8	1	-	-	-	-	.2	3.8	8.3	44.2
RI	Providence	34	9.9	9.9	7.6	.7	.2	-	-	-	-	1	.9	7.0	39.3
SC	Columbia	40	.4	.8	.3	-	-	-	-	-	-	-	T	.3	1.9
SD	Sioux Falls	42	8.5	8.0	6.8	2.1	-	-	-	-	-	.5	5.1	7.8	39.7
TN	Memphis	37	2.5	1.9	.8	T	-	-	-	-	-	-	.1	.7	8.7
	Nashville	48	4.1	3.2	1.5	-	-	-	-	-	-	-	.5	1.6	10.8
TX	Dallas-Ft. Worth	34	1.4	1.0	.2	-	-	-	-	-	-	-	.1	.3	3.0
	El Paso	48	1.4	.8	.4	.4	-	-	-	-	-	-	1.0	1.5	5.8
	Houston	85	.2	.2	-	-	-	-	-	-	-	-	T	T	.4
UT	Salt Lake City	68	13.1	8.4	10.0	5.2	.8	T	-	-	1	1.3	8.4	12.1	58.2
VT	S Burlington	44	18.3	15.4	12.2	3.7	.2	-	-	-	T	.2	8.9	19.0	77.9
VA	Norfolk	38	2.9	2.8	1.1	-	-	-	-	-	-	-	-	.9	7.5
	Richmond	50	5.3	4.2	2.7	.1	T	-	-	-	-	T	.4	1.9	14.8
WA	Seattle	43	5.5	1.5	1.4	.1	T	-	T	-	T	-	1.4	2.6	12.8
	Spokane	40	16.8	7.5	4.1	.8	1	-	-	-	-	.5	6.2	15.4	51.2
WV	Charleston	40	10.8	9.1	4.7	.9	-	-	-	-	-	1	2.3	4.8	22.7
WY	Billings	47	13.1	9.3	8.9	1.8	-	-	-	-	T	1	2.8	10.7	48.7
	Cheyenne	52	6.2	5.8	11.9	3.2	3.8	.3	-	-	7	3.8	8.3	9.1	54.1
PW	San Juan	32	-	-	-	-	-	-	-	-	-	-	-	-	-

- Represents zero. ¹ City office data.Source: U.S. National Oceanic and Atmospheric Administration, *Comprehensive Climatic Data*, annual.

NO. 367. AVERAGE WIND SPEED, MEAN NUMBER OF DAYS MINIMUM TEMPERATURE BELOW 32 DEGREES FAHRENHEIT, AND AVERAGE RELATIVE HUMIDITY—SELECTED CITIES

[Airport data, except as noted. For period of record through 1987, except as noted. M—morning, A—afternoon]

STATE	STATION	AVERAGE PERCENTAGE OF POSSIBLE SUNSHINE		AVERAGE WIND SPEED (m.p.h.)				MINIMUM TEMPERATURE 32° OR LESS		AVERAGE RELATIVE HUMIDITY (percent)						
		Length of record (yr.)	Annual	Length of record (yr.)	Annual	Jan.	July	Length of record (yr.)	Mean number (days)	Length of record (yr.)	Annual		Jan.		July	
											M	A	M	A	M	A
AL	Mobile	137	159	39	8.0	10.4	7.0	25	23	25	86	57	80	80	89	60
AK	Juneau	139	130	42	8.3	8.3	7.5	43	149	21	84	73	79	76	83	70
AZ	Phoenix	92	85	42	8.3	5.3	7.1	27	8	27	52	23	67	32	45	30
AR	Little Rock	32	62	45	7.9	8.7	6.8	27	81	27	84	57	80	61	87	86
CA	Los Angeles	132	173	39	7.5	6.7	7.8	26	(2)	26	79	64	70	80	86	87
	Sacramento	39	77	38	8.0	7.3	9.0	37	16	27	82	48	90	71	76	28
	San Diego	47	68	47	8.9	5.8	7.3	27	(2)	27	78	62	70	58	82	65
	San Francisco	138	188	80	10.6	7.1	13.6	28	2	28	84	82	88	88	85	59
CO	Denver	98	70	39	8.8	8.7	6.3	27	158	27	87	40	63	49	89	34
CT	Hartford	33	57	33	8.5	8.0	7.5	28	138	28	77	52	71	56	78	80
DE	Wilmington	139	157	39	9.2	10.0	7.8	40	101	40	78	55	75	60	79	54
DC	Washington	39	56	39	9.3	10.0	8.2	27	71	27	74	53	68	54	76	82
FL	Jacksonville	36	62	36	8.0	8.3	7.1	46	15	61	68	56	87	57	68	58
	Miami	11	72	38	8.2	8.5	7.9	23	(2)	23	84	81	84	59	85	63
GA	Atlanta	52	81	49	9.1	10.6	7.8	27	56	27	82	56	78	59	88	80
HI	Honolulu	95	88	36	11.5	9.7	13.4	18	—	18	72	56	81	82	68	82
ID	Boise	45	84	48	8.8	8.1	8.4	49	124	48	89	43	80	70	54	22
IL	Chicago	7	53	29	10.2	11.5	8.1	29	132	29	80	60	76	67	82	87
	Peoria	44	56	44	10.1	11.1	7.9	29	129	28	83	62	78	68	86	59
IN	Indianapolis	43	55	39	9.6	10.9	7.4	29	118	28	84	62	80	70	87	80
IA	Des Moines	37	59	38	10.9	11.7	9.0	28	134	28	78	60	75	67	81	57
KS	Wichita	34	65	34	12.3	12.2	11.2	34	112	34	80	56	78	63	79	48
KY	Louisville	40	86	40	8.3	9.7	6.7	27	90	27	81	59	78	64	85	88
LA	New Orleans	14	60	29	8.2	9.4	6.1	41	13	29	87	63	85	66	91	68
ME	Portland	47	57	47	8.7	9.2	7.8	47	158	47	79	59	78	61	80	59
MD	Baltimore	37	57	37	9.2	9.8	8.0	37	98	34	77	54	71	57	80	89
MA	Boston	52	58	30	12.4	13.8	10.9	23	99	23	72	58	67	57	73	58
MI	Detroit	22	58	29	10.3	11.7	8.4	29	137	29	81	60	79	69	83	63
	Sault Ste. Marie	46	47	46	9.3	9.8	7.9	46	181	46	86	67	81	75	89	82
MN	Duluth	37	52	36	11.2	11.7	9.8	26	184	26	80	63	75	69	84	69
	Minneapolis-St. Paul	49	57	49	10.6	10.5	9.4	28	156	28	79	60	73	66	81	84
MS	Jackson	23	60	24	7.4	8.6	5.9	24	51	24	81	58	86	65	93	89
MO	Kansas City	15	61	15	10.7	11.3	9.3	15	109	15	81	60	75	63	83	57
	St. Louis	28	57	28	9.7	10.6	7.9	27	102	27	84	60	82	66	85	89
MT	Great Falls	43	61	46	12.6	15.2	10.2	28	157	28	86	45	88	80	65	29
NE	Omaha	51	60	51	10.5	10.9	8.9	23	139	23	81	69	77	65	83	68
NV	Reno	39	79	45	6.5	5.8	7.0	24	178	24	71	32	79	51	64	19
NH	Concord	46	54	45	8.7	7.3	5.7	22	174	22	81	54	74	56	84	51
NJ	Atlantic City	27	56	29	10.1	11.2	8.5	23	109	23	81	56	77	59	83	57
NM	Albuquerque	48	78	46	9.0	8.1	8.1	27	120	27	80	29	71	40	59	27
NY	Albany	49	52	49	9.9	9.8	7.5	22	150	22	80	58	78	63	81	55
	Buffalo	44	49	48	12.0	14.3	10.4	27	133	27	80	63	79	73	78	56
	New York	101	58	58	9.4	10.7	7.6	74	80	61	72	58	68	60	75	56
NC	Charlotte	37	64	38	7.5	7.9	8.5	27	89	27	83	54	78	55	87	57
	Raleigh	35	58	38	7.8	8.6	6.6	23	60	23	85	54	78	55	89	58
ND	Bismarck	46	60	48	10.3	10.0	9.2	28	166	28	80	57	74	68	83	47
OH	Cincinnati	4	52	40	9.1	10.7	7.1	26	108	26	81	60	78	68	85	57
	Cleveland	44	49	48	10.7	12.4	8.7	27	124	27	79	62	77	70	81	57
	Columbus	36	48	38	8.6	10.2	6.8	28	118	28	80	69	78	67	84	58
OK	Oklahoma City	33	68	39	12.4	12.8	10.9	22	79	22	79	54	78	59	79	49
OR	Portland	38	48	39	7.9	10.0	7.6	47	42	47	86	60	88	75	82	46
PA	Philadelphia	45	56	47	9.5	10.3	8.0	28	98	28	78	55	72	59	78	54
	Pittsburgh	35	47	35	9.1	10.6	7.2	28	124	27	78	57	74	65	82	53
RI	Providence	34	58	34	10.6	11.3	9.6	24	119	24	74	54	70	56	77	58
SC	Columbia	34	65	39	8.8	7.2	6.3	21	63	21	87	51	82	54	89	54
SD	Sioux Falls	17	42	39	11.1	11.0	9.8	24	167	24	81	60	75	67	82	53
TN	Memphis	35	64	39	8.9	10.2	7.5	46	57	46	81	57	78	63	84	57
	Nashville	45	56	48	8.0	9.2	6.5	22	77	22	84	57	79	63	90	57
TX	Dallas-Fort Worth	9	64	34	10.6	11.1	9.6	24	41	24	82	56	79	60	80	48
	El Paso	45	63	45	8.9	8.4	8.4	27	64	27	56	27	65	35	61	26
	Houston	18	58	18	7.8	8.2	6.8	18	21	18	80	60	85	64	82	68
UT	Salt Lake City	49	66	58	8.8	7.8	9.6	28	125	28	87	42	78	69	52	22
VT	Burlington	44	49	44	8.9	9.6	7.9	23	157	22	77	59	71	63	79	69
VA	Norfolk	23	61	39	10.6	11.6	8.9	39	55	39	78	57	74	59	81	66
	Richmond	37	62	39	7.6	8.1	6.7	68	85	53	83	63	80	67	85	66
WA	Seattle	21	45	39	9.0	9.7	8.3	28	31	28	82	62	80	74	81	49
	Spokane	39	53	40	8.8	8.8	8.4	28	140	28	77	52	85	76	64	27
WV	Charleston	1	49	40	8.4	7.8	5.1	40	100	40	82	56	77	63	90	80
WI	Milwaukee	47	54	47	11.6	12.7	9.8	27	142	27	80	64	75	68	82	61
WY	Cheyenne	48	65	30	12.9	15.3	10.3	28	172	28	84	44	57	60	69	38
PR	San Juan	32	66	32	6.5	8.5	6.6	32	—	32	79	65	81	64	79	68

- Represents zero. Z Less than one-half a day. * Recording site is in Montgomery, AL. * For period of record through 1984. * For period of record through 1978. * For period of record through 1973. * For period of record through 1978. * City office data. * Recording site is in Rapid City, SD. * Recording site is in Parkersburg, WV.

Source: U.S. National Oceanic and Atmospheric Administration, *Comparative Climate Data*, annual.

No. 388. NORMAL MONTHLY AND SEASONAL COOLING DEGREE DAYS, 65° BASE—SELECTED CITIES

[Airport data, except as noted. Based on standard 30-year period, 1951 through 1980. For definition of "degree day," see text, section 6]

STATE	STATION	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Seasonal
AL	Mobile	29	23	39	133	307	465	533	521	396	158	26	13	2,543
AK	Juneau	-	-	-	-	-	-	-	-	-	-	-	-	-
AZ	Phoenix	-	20	51	142	376	645	846	772	586	273	27	6	3,746
AR	Little Rock	-	-	20	48	186	408	530	496	287	79	-	-	2,045
CA	Los Angeles	7	12	-	15	26	72	141	176	153	95	25	7	729
	Sacramento	-	-	-	25	80	207	329	301	208	48	-	-	1,189
	San Diego	-	11	7	10	21	79	170	226	187	109	22	-	642
	San Francisco	-	-	-	-	-	13	18	27	47	12	-	-	115
CO	Denver	-	-	-	-	11	134	261	203	63	6	-	-	680
CT	Hartford	-	-	-	-	24	128	260	203	51	-	-	-	689
DE	Wilmington	-	-	-	-	49	192	341	304	123	12	-	-	1,015
DC	Washington	-	-	-	9	69	265	431	361	196	20	-	-	1,430
FL	Jacksonville	30	25	51	102	282	420	505	496	396	160	39	15	2,520
	Miami	141	140	222	309	419	480	536	552	504	400	239	150	4,086
GA	Atlanta	-	-	12	37	170	329	422	409	247	44	-	-	1,670
HI	Honolulu	236	221	291	321	366	423	468	496	496	490	346	279	4,366
ID	Boise	-	-	-	-	17	107	296	240	80	-	-	-	742
IL	Chicago	-	-	-	-	41	146	252	223	66	12	-	-	740
	Peoria	-	-	-	-	71	208	314	256	82	17	-	-	946
IN	Indianapolis	-	-	-	-	80	213	312	257	111	14	-	-	689
IA	Des Moines	-	-	-	-	66	215	354	279	83	22	-	-	1,019
KS	Wichita	-	-	6	14	117	340	508	488	205	39	-	-	1,664
KY	Louisville	-	-	7	12	110	266	391	353	179	24	-	-	1,342
LA	New Orleans	32	30	69	136	307	459	530	518	405	161	36	13	2,689
ME	Portland	-	-	-	-	-	23	118	104	9	-	-	-	254
MD	Baltimore	-	-	-	-	66	221	366	329	146	10	-	-	1,139
MA	Boston	-	-	-	-	17	115	266	220	66	13	-	-	689
MI	Detroit	-	-	-	-	39	117	219	163	55	6	-	-	615
	Sault Ste. Marie	-	-	-	-	6	12	55	58	-	-	-	-	131
MN	Duluth	-	-	-	-	-	11	60	58	-	-	-	-	160
	Minneapolis-St. Paul	-	-	-	-	36	134	263	190	39	11	-	-	682
MS	Jackson	13	17	34	60	241	426	524	502	342	98	13	-	2,290
MO	Kansas City	-	-	-	8	69	270	423	363	144	26	-	-	1,333
	St. Louis	-	-	-	12	126	306	431	372	181	36	-	-	1,489
MT	Great Falls	-	-	-	-	-	48	153	144	40	6	-	-	391
NE	Omaha	-	-	-	6	77	256	394	380	97	16	-	-	1,166
NV	Reno	-	-	-	-	11	46	156	117	27	-	-	-	357
NH	Concord	-	-	-	-	10	58	160	111	14	-	-	-	363
NJ	Atlantic City	-	-	-	-	20	152	291	248	75	-	-	-	792
NM	Albuquerque	-	-	-	-	59	265	428	344	132	6	-	-	1,294
NY	Albany	-	-	-	-	19	69	208	145	36	-	-	-	484
	Buffalo	-	-	-	-	16	63	166	146	43	-	-	-	476
	New York ¹	-	-	-	-	56	199	363	322	136	14	-	-	1,089
NC	Charlotte	-	-	7	14	149	304	419	400	220	39	-	-	1,549
	Raleigh	-	-	9	16	121	270	394	372	189	29	-	-	1,364
ND	Bismarck	-	-	-	-	10	79	166	174	24	-	-	-	473
OH	Cincinnati	-	-	-	8	101	230	344	310	144	22	-	-	1,169
	Cleveland	-	-	-	-	33	111	213	179	72	5	-	-	612
	Columbus	-	-	-	-	66	176	273	236	102	11	-	-	662
OK	Oklahoma City	-	-	13	40	147	360	530	499	264	61	-	-	1,614
OR	Portland	-	-	-	-	6	43	119	122	42	-	-	-	332
PA	Philadelphia	-	-	-	-	59	202	357	319	129	6	-	-	1,075
	Pittsburgh	-	-	-	-	37	121	222	166	74	6	-	-	645
RJ	Providence	-	-	-	-	10	65	236	195	46	-	-	-	574
SC	Columbia	6	6	20	51	223	381	496	471	297	74	6	-	2,033
SD	Sioux Falls	-	-	-	-	29	154	293	226	41	6	-	-	749
TN	Memphis	-	-	20	54	211	411	530	484	295	72	-	-	2,067
	Nashville	-	-	14	24	151	328	446	415	236	46	-	-	1,661
TX	Dallas-Fort Worth	-	7	37	112	276	510	660	636	408	146	16	-	2,809
	El Paso	-	-	11	51	218	474	643	474	273	52	-	-	2,086
	Houston	20	20	51	143	307	466	561	546	402	161	54	6	2,761
UT	Salt Lake City	-	-	-	-	26	152	366	311	97	6	-	-	661
VT	Burlington	-	-	-	-	22	61	166	115	16	-	-	-	379
VA	Norfolk	-	-	-	15	98	282	415	394	225	31	-	-	1,456
	Richmond	-	-	-	13	99	256	397	366	180	23	-	-	1,336
WA	Seattle-Tacoma	-	-	-	-	-	25	70	70	19	-	-	-	164
	Spokane	-	-	-	-	6	41	162	159	41	-	-	-	411
WV	Charleston	-	-	-	7	91	196	296	270	129	19	-	-	1,007
WI	Milwaukee	-	-	-	-	18	81	182	156	24	7	-	-	470
WY	Cheyenne	-	-	-	-	-	49	145	93	22	-	-	-	306
PR	San Juan	357	325	366	414	474	501	527	539	507	508	436	394	5,366

- Represents zero. ¹ City office data.Source: U.S. National Oceanic and Atmospheric Administration, *Climatology of the United States*, No. 61, Sept. 1962.



Section 7

Parks, Recreation, and Travel

This section presents statistics on national parks and forests, State parks, recreational activities, the arts and humanities, and domestic and foreign travel.

Parks and recreation.—The Department of the Interior has responsibility for administering the national parks. As part of this function, it compiles data and issues various reports relating to the usage of public parks for recreation purposes. The National Park Service publishes information on visits to national park areas in its annual report, *National Park Statistical Abstract*. *The National Parks: Index (year)* is a biannual report which has appeared under a variety of *Index* titles prior to 1985. The 1985 and 1987 editions have appeared under the current title. The *Index* contains brief descriptions, with acreages, of each area administered by the Service, plus certain "related" areas. A brief statistical summary of Service-administered areas is also presented. The annual *Federal Recreation Fee Report* summarizes the prior year's recreation fee receipts and recreation visitation statistics for seven Federal land managing agencies.

Statistics for State parks are compiled by the National Association of State Park Directors which issues its annual *Information Exchange*. The Bureau of Land Management, in its *Public Land Statistics*, also issues data on recreational use of its lands. The Department of Agriculture's Forest Service, in its *Report of the Forest Service*, issues data on recreational uses of the national forests.

Statistics on recreation other than usage of public lands have not generally been compiled and published in a systematic way. In general, more data are available in the files of public and private bodies than have been published; and much of what is published is in forms not physically permanent nor likely to be preserved in libraries and other reference sources. The series presented here represent only the more readily available data.

Visitation.—Statistics presented on visitation to various reporting areas are collected by several different agencies and groups. The methodology used to collect these results, may vary accordingly from visual counts and estimates to the use of electromagnetic traffic counters. Many factors besides the methodology, may affect the results such as multiple or random access points, irregular boundaries, and many other general factors that may affect usage. In using and comparing these data, one should also be aware of several different definitions that follow: Recreation visit, which is the entry of any person into an area for recreation purposes; nonrecreation visits, which include visits going to and from inholdings, through traffic, tradespeople and personnel with business in the area; and visitor hour, which constitutes the presence of a person in a recreation area or site for recreational purposes for periods of time aggregating 60 minutes.

Recreation and leisure activities.—Statistics on the participation in various recreation and leisure time activities presented here are based on several sample surveys. Data on participation in fishing, hunting, and other forms of wildlife-associated recreation are published every five years by the U.S. Department of Interior, Fish and Wildlife Service. The most recent data are from the 1985 survey. Data on participation in various sports recreation activities are published by the National Sporting Goods Association. Data on participation and attendance at various art performances by demographic characteristics are presented by the National Endowment for the Arts.

Travel.—Information on foreign travel and personal expenditures abroad, as well as expenditures by foreign citizens traveling in the United States, is compiled annually by the U.S. Bureau of Economic Analysis and published in selected issues of the monthly *Survey of Current Business*. Data on the number of passports issued annually to U.S. citizens are to be found in the annual *Summary of Passport Statistics* issued by the U.S. Dept. of State's Bureau of Consular Affairs. Statistics on arrivals to and departures from the United States by air are reported by the Department of Transportation in cooperation with the U.S. Immigration and Naturalization Service in *International Air Travel Statistics*. Data on domestic travel, business receipts and employment of the travel industry, and travel expenditures are published by the U.S. Travel Data Center, a national nonprofit group for travel and tourism located in Washington, DC. Other data on household transportation characteristics may be found in section 21.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

NO. 370. VISITATION TO FEDERAL RECREATION AREAS, BY ADMINISTERING FEDERAL AGENCY: 1976 TO 1987

(In millions of visitor hours. For years ending September 30, except as indicated. Covers persons entering and using a recreation area over a specified period of time. For definition of visitor hour, see text, section 7. Data may not be comparable for all years.)

ADMINISTERING FEDERAL AGENCY	1976	1976	1980	1981	1982	1983	1984	1985	1986	1987
All areas	7,084	5,718	5,367	5,522	5,840	6,088	6,282	6,403	6,506	7,071
Fish and Wildlife Service	84	25	17	23	12	83	80	85	87	72
Forest Service	2,822	2,642	2,819	2,829	2,801	2,739	2,731	2,705	2,718	2,861
U.S. Army Corps of Engineers	2,071	1,961	1,928	1,488	1,632	1,638	1,652	1,721	1,730	1,784
National Park Service	1,154	1,086	1,042	1,196	1,218	1,276	1,240	1,298	1,332	1,377
Bureau of Land Management	634	526	68	444	341	595	208	245	284	517
Bureau of Reclamation ¹	431	411	407	481	558	285	282	289	295	381
Tennessee Valley Authority	97	88	87	80	80	78	79	79	77	78

¹ Calendar year data.

Source: 1976-1980, U.S. Heritage Conservation and Recreation Service, *Federal Recreation Fee Report*, annual; thereafter, U.S. National Park Service.

NO. 371. NATIONAL PARK SYSTEM—SUMMARY: 1970 TO 1986

(For fiscal years ending in year shown; see text, section 10, except as noted. Includes data for 5 areas in Puerto Rico and Virgin Islands, and 1 area in Guam. See also *Historical Statistics, Colonial Times to 1970*, series H 606-688.)

ITEM	1970	1976	1978	1980	1981	1982	1983	1984	1985	1986
Finances (mil. dol.):										
Expenditures reported ¹	138.8	341.8	482.8	574.3	1,172.9	1,012.5	1,008.0	1,110.7	1,072.9	1,003.6
Salaries and wages	82.5	152.1	235.3	259.3	302.6	320.1	363.6	383.6	380.0	382.8
Improvements, maintenance	15.5	40.4	67.9	77.3	82.3	89.2	102.4	136.4	127.4	119.8
Construction	23.8	86.5	76.7	128.8	123.2	72.9	87.5	83.3	84.7	125.9
Other	17.0	63.8	99.8	110.8	94.8	62.2	46.1	61.5	48.2	375.2
Funds available ¹	174.8	428.0	616.7	907.9	2,307.7	1,931.3	2,035.8	1,915.5	1,810.6	1,834.4
Appropriations	129.4	345.8	525.2	539.4	827.0	801.2	1,118.2	942.6	983.0	849.3
Other	45.2	62.4	90.5	368.5	1,480.7	1,130.1	917.6	972.9	828.7	786.1
Revenue from operations ²	8.8	17.2	21.1	21.1	22.9	25.6	33.1	35.2	50.8	60.7
Visits (millions):³										
All areas	172.0	238.8	282.4	300.3	328.7	334.4	335.6	381.5	344.8	384.8
National parks ⁴	45.8	58.8	67.5	80.2	83.8	83.5	89.8	84.4	84.5	88.8
National monuments	17.3	17.3	18.8	18.3	17.1	18.2	18.5	18.1	19.0	24.0
National historical, archeological, and military areas	47.0	75.7	83.8	88.5	95.0	95.1	95.3	96.8	95.6	98.8
National parkways	27.8	36.0	35.0	40.2	43.8	45.1	47.8	48.7	50.5	53.2
National recreation areas ⁴	11.8	23.8	41.3	48.1	51.1	52.9	54.4	58.5	60.4	60.0
National seashores	9.1	13.3	14.2	15.0	16.0	15.6	16.7	18.5	22.2	20.4
National Capital Parks ⁵	10.3	11.2	2.8	4.1	5.7	7.3	6.3	7.2	8.3	8.8
Miscellaneous other areas	3.0	2.6	31.5	38.0	37.3	36.8	21.7	25.4	28.4	31.7
Overnight stays reported	18.2	18.7	18.0	18.5	17.0	18.8	18.1	18.3	18.1	18.3
Camper days	9.0	8.8	7.9	8.3	8.8	8.8	7.8	7.7	7.3	7.2
Tents	4.7	3.7	3.4	3.9	4.2	4.2	3.6	3.7	3.8	3.5
Recreation vehicles	4.3	5.1	4.5	4.4	4.7	4.6	4.2	3.9	3.8	3.8
In commercial lodgings	4.9	4.0	4.0	4.1	4.0	3.3	3.3	3.3	3.5	4.3
Other	2.2	3.9	4.1	4.1	4.1	4.8	5.0	4.8	4.0	4.7
Land (1,000 acres):										
Total ⁶	28,543	28,081	70,797	70,938	73,885	74,800	74,848	74,913	75,748	75,883
Parks ⁷	14,307	15,344	15,884	15,801	44,470	45,414	45,427	45,454	45,739	45,781
Recreation areas	3,828	3,156	3,280	3,322	3,327	3,313	3,317	3,322	3,335	3,337
Other ⁷	10,808	10,580	51,833	51,813	25,888	26,073	26,102	26,137	26,675	26,735
Acquisition, gross	63	110	88	121	70	40	46	43	34	89
By purchase	74	70	85	109	60	37	43	42	29	89
By gift	1	(2)	4	7	6	3	1	(2)	2	18
By transfer or exchange	10	40	17	8	4	(2)	8	2	3	12
Exclusion	2	(2)	1	(2)	(2)	(2)	2	2	(2)	4
Acquisition, net	62	110	86	121	70	40	46	43	34	85

² Less than 1,000 acres. ³ For 1970-1980, excludes transfers and allocations from appropriations to other agencies (e.g., Land and Water Conservation Fund, etc.). Beginning 1981, data reflect absorption by National Park Service of activities of former Heritage Conservation and Recreation Service (e.g., Land and Water Conservation Fund; see text, section 7). ⁴ Receipts deposited in Treasury; beginning 1975, receipts from annual admission permit (Golden Eagle Passport) and special recreation use fees are available for NPS expenditure. ⁵ For calendar year. ⁶ Combined data for North Cascades National Park and two adjacent National Recreation Areas are included in National Parks total. ⁷ Beginning 1978, visits to some areas previously included in National Capital Parks now included in other areas. ⁸ Federal land only, as of Dec. 31. On Dec. 1, 1978 over 40 million acres of public domain land in Alaska were added to the system. ⁹ Several areas of the National Park System were redesignated as national parks in 1981, therefore, data for 1970-1980 are not comparable with later years.

Source: U.S. National Park Service, visits, 1970, *Campground Use in the National Park Service*, annual; *Camper Days in Areas Administered by the National Park Service*, annual; and *Public Use of the National Parks*, monthly, 1975, *Public Use of the National Park System*, semiannual; thereafter, *National Park Statistical Abstract*, annual and unpublished data. Land, *Index-National Park System and Related Areas*, biannual. Other data are unpublished.

NO. 372. NATIONAL PARK SYSTEM—TYPE OF AREA: 1967

[As of September 30. Totals exclude 5 areas in Puerto Rico and Virgin Islands, and 1 area in Guam. See also Historical Statistics, Colonial Times to 1959, series H (500-599)]

TYPE OF AREA	Number of areas	Federal acreage	Recreation visits (mil.)	TYPE OF AREA	Number of areas	Federal acreage	Recreation visits (mil.)
National Park System	343	76,896,897	397.2	National seashores	16	476,215	16.5
National parks	49	45,675,126	96.6	Parkways	4	159,846	36.3
National historical parks	29	94,615	39.6	National laboratories	4	143,382	3.4
National monuments	79	4,692,647	39.6	National shrines	12	337,137	3.6
National military parks	9	39,669	4.5	National Capital Parks	1	6,496	0.1
National battlefields	11	2,566	2.1	Parks, other	16	31,969	6.6
National battlefield parks	3	7,449	1.7	National recreation areas	17	3,739,646	99.6
National battlefield sites	1	1	(na)	National trails	3	91,166	(na)
National historic sites	64	16,494	16.6	National preserves	12	22,699,672	1
National memorials	26	7,996	39.1	National Mall	1	146	(na)
				White House	1	19	1.1
				Other	2	(na)	(na)

(na) Not available.

Source: U.S. National Park Service, *The National Parks Index*, *Memorials*, and *National Park Statistical Abstract*, annual.

NO. 373. SELECTED NATIONAL PARK SERVICE AREAS—ACREAGE, 1967, AND VISITS AND OVERNIGHT STAYS, 1965 TO 1967

[Calendar year data, except acreage as of December 31. Area selection based on minimum of 4 million visits or 250,000 overnight stays in 1967. For information on methodology and definition of "visits", see text, section 7]

AREA	Federal acreage, 1967 (1,000)	RECREATION VISITS (mil.)			OVERNIGHT STAYS ¹ (1,000)		
		1965	1966	1967	1965	1966	1967
Total, all areas ²	76,896	293.4	291.1	397.2	16,799	16,897	17,139
Acadia National Park, ME	41	3.7	3.9	4.3	206	204	213
Big Bend National Park, TX	709	.2	.2	.2	236	227	295
Blue Ridge Parkway, NC, VA	79	17.2	17.1	18.6	230	246	246
Cape Cod National Seashore, MA	27	4.4	4.0	4.3	17	16	16
Chesapeake and Ohio National Historical Park, MD, DC, WV	14	6.2	4.8	5.3	62	54	59
Death Valley National Monument, CA, NV	2,049	.6	.6	.7	237	236	314
Gateway National Recreation Area, NY, NJ	20	6.6	6.9	9.4	10	26	8
George Washington Memorial Parkway, VA, MD	7	6.6	9.1	9.6	-	-	-
Glacier National Park, MT	1,013	1.6	1.6	1.7	296	297	307
Glen Canyon National Recreation Area, AZ, UT	1,194	2.1	2.4	2.9	1,636	1,666	2,082
Golden Gate National Recreation Area, CA	26	16.3	21.6	21.6	96	112	112
Grand Canyon National Park, AZ	1,179	2.7	3.0	3.6	729	631	666
Grand Teton National Park, WY	307	1.3	1.3	1.6	462	421	463
Great Smoky Mountain National Park, NC, TN	560	9.3	9.6	10.2	479	480	486
Gulf Island National Seashore, MS, FL	96	9.6	7.9	4.6	169	171	174
Independence National Historical Park, PA	(2)	4.9	5.0	7.3	-	-	-
Kings Canyon National Park, CA	462	.9	1.0	1.1	266	267	264
Lake Mead National Recreation Area, AZ, NV	1,469	7.0	7.8	8.1	1,304	1,369	1,309
Lincoln Memorial, DC	(2)	3.6	4.0	4.3	-	-	-
Missoula National Park, CO	62	.7	.7	.7	167	161	217
Natchez Trace Parkway, MS, TN, AL	60	12.9	14.4	9.9	17	20	23
National Capital Parks, DC, MD	6	6.3	6.6	6.1	-	-	-
Olympic National Park, WA	911	2.5	2.6	2.9	376	366	372
Rocky Mountain National Park, CO	264	2.2	2.4	2.6	301	197	306
Sequoia National Park, CA	402	.9	1.1	1.1	376	369	442
Shenandoah National Park, VA	196	1.9	1.6	1.6	430	362	364
Valley Forge National Historical Park, PA	3	4.2	4.2	4.3	-	-	-
Vietnam Veterans Memorial, DC	(2)	4.0	5.4	4.0	-	-	-
Virgin Island National Park, VI	13	.7	.6	.6	196	216	306
Yellowstone National Park, ID, MT, WY	2,220	2.2	2.4	2.6	1,270	1,309	1,369
Yosemite National Park, CA	796	2.6	2.9	3.2	2,096	1,964	2,166
Zion National Park, UT	143	1.5	1.7	1.8	306	230	293

- Represents zero. Z Less than 500 acres. ¹ The passing of one night by a visitor within a park, and occurs each night a visitor remains in the park. ² Includes areas not shown separately. ³ 1966 not comparable with other years due to temporary closing. ⁴ Not comparable with 1965 due to a temporary closing affecting campsites.

Source: U.S. National Park Service, *National Park Statistical Abstract*, annual, and unpublished data.

Parks, Recreation, and Travel

NATIONAL FOREST RECREATION USE—SUMMARY, 1980 TO 1987, AND BY ACTIVITY AND STATES AND OTHER AREAS, 1987

ending September 30. Estimated. Represents recreational use of National Forest land and water in States which have Forest Service recreation program. See also *Historical Statistics, Colonial Times to 1976*, series H 888-898.

YEAR AND ACTIVITY	Visitor-days ¹ (1,000)	% cont.	STATE	Visitor-days ¹ 1987 (1,000)	STATE OR OTHER AREA	Visitor-days ¹ 1987 (1,000)
	233,648	100.0	U.S.	233,488	NV	2,354
	235,708	100.0			NH	2,474
	233,438	100.0	AL	850	NM	5,447
	227,708	100.0	AK	4,085	KY	23
	227,864	100.0	AZ	18,840	NC	4,572
	225,407	100.0	AR	2,278	ND	131
	226,533	100.0	CA	57,875	OH	412
			CO	22,583	OK	321
1, total	233,488	100.0	FL	2,732	OR	18,210
and travel and viewing scenery	75,814	31.8	GA	2,869	PA	2,384
2, picnicking and swimming	88,104	38.6	ID	10,807	SC	880
horseback riding and water travel	20,382	8.8	IL	830	SD	2,887
	18,170	8.8	IN	483	TN	2,432
	15,705	6.8	KS	22	TX	1,884
3, sports	15,201	6.4	KY	2,249	UT	12,737
4, cabins and organization camps	14,891	6.2	LA	418	VT	1,029
5, studies	1,710	.7	MA	48	VA	3,725
	10,671	4.4	ME	4,410	WA	15,088
			MN	4,382	WV	1,127
			MS	1,180	WI	1,833
			MO	1,716	WY	6,802
			MT	8,912		
			NE	169	PR	382

¹represents 12 person-hours of use, which may entail 1 person for 12 hours, 12 persons for 1 hour, or any equivalent combination of individual or group use, either continuous or intermittent. ²Includes team sports, gathering forest products, riding trails and programs, and other uses.

Source: U.S. Forest Service, unpublished data.

JO. 376. RECREATIONAL USE OF PUBLIC LANDS ADMINISTERED BY BUREAU OF LAND MANAGEMENT, 1982 TO 1987, AND BY STATE, 1987

(in thousands. For year ending Sept. 30. See text, section 7)

YEAR AND STATE	Number of visits	TYPE OF RECREATION USE (Visitor hours)										
		Total	Land-based recreation activities						Water-based recreation activities			Snow- and ice-based recreation activities, winter sports
			Motorized travel		Site based				Fishing	Boating	Other	
			Off-road vehicle travel	Other motorized travel	Non-motorized travel	Camping	Hunting	Other				
1982	58,135	318,958	18,471	32,648	11,237	83,928	108,988	44,887	18,287	10,101	1,043	5,888
1983	58,270	334,010	24,387	35,534	12,337	84,088	92,874	39,734	20,230	10,869	4,882	2,917
1984	59,226	271,373	21,348	25,433	9,579	73,032	73,886	37,880	14,283	11,184	2,082	2,894
1985	51,738	244,612	38,995	24,083	10,047	65,387	51,842	23,088	14,254	11,710	2,183	5,083
1986	54,253	284,142	49,088	25,886	14,387	95,198	35,570	18,331	18,227	15,891	3,051	6,088
1987, total	58,427	514,716	123,328	34,325	78,172	198,216	37,894	38,412	22,892	15,148	2,212	2,888
AK	250	6,008	103	217	80	3,578	313	124	251	182	4	87
AZ	2,187	35,578	1,494	188	578	25,327	3,488	1,821	431	631	630	2
CA	28,870	320,883	106,988	18,388	10,888	124,888	24,143	25,199	4,888	1,880	2,782	838
CO	4,882	18,428	822	2,382	847	3,822	3,838	549	4,524	1,222	34	488
ID	2,023	15,578	818	881	787	3,381	4,457	1,073	1,714	1,127	388	888
MT ¹	2,002	12,091	1,871	1,811	448	3,525	1,800	285	1,517	827	44	173
NV	2,888	18,373	2,781	1,784	1,883	4,238	2,808	802	1,858	208	140	82
NM	2,488	13,844	2,404	588	807	2,703	2,873	2,073	1,388	887	82	80
OR ²	5,088	30,728	1,141	1,841	887	14,830	5,875	2,747	4,270	5,888	884	478
UT	2,478	18,065	2,903	4,274	2,038	3,288	1,867	1,160	882	2,381	108	84
WY	2,737	19,383	2,038	2,217	700	4,957	5,374	1,578	1,722	388	37	345

¹ Increase due to an estimated longer length of stay per visit, especially in California. ² Includes North Dakota and South Dakota. ³ Includes Washington.

Source: U.S. Bureau of Land Management, *Public Land Statistics*, annual.

NO. 376. STATE PARKS AND RECREATION AREAS—STATES: 1967

(For year ending June 30. Data are shown as reported by State park directors. In some States, park agency has under its control forests, fish and wildlife areas and/or other areas. In other States, agency is responsible for State parks only.)

DIVISION AND STATE	Acreage (1,000)	VISITORS (1,000)		REVENUE		DIVISION AND STATE	Acreage (1,000)	VISITORS (1,000)		REVENUE	
		Total ¹	Day	Total (\$1,000)	Per cent of operating budget			Total ¹	Day	Total (\$1,000)	Per cent of operating budget
U.S.	13,782	884,432	884,431	388,888	38.5	So. Atl.—Con.					
D. Eng.:						WV	208	9,128	8,215	10,462	53.4
ME	72	2,072	1,872	1,308	38.5	NC	125	7,152	6,815	1,182	16.4
NH	30	3,908	3,728	6,819	88.5	SC	79	7,803	6,854	8,380	61.8
VT	171	786	486	2,801	91.0	GA	81	13,310	10,088	8,888	48.2
MA	288	12,240	11,488	6,030	32.3	FL	278	14,280	12,088	10,488	48.7
RI	9	5,807	5,711	1,488	28.7	E. So. Cent.:					
CT	181	7,788	7,381	2,382	22.8	KY	42	24,210	23,140	31,888	62.9
So. Atl.:						TN	120	24,343	23,387	15,882	80.7
NY	258	37,514	34,787	22,882	22.8	AL	48	6,088	5,188	8,788	87.0
NJ	300	9,588	9,088	5,213	28.0	MS	22	4,434	4,048	4,248	103.7
PA	278	28,303	24,824	5,478	18.4	W. So. Cent.:					
E. No. Cent.:						AR	44	7,148	8,380	8,788	83.7
OH	183	88,184	85,888	10,000	27.7	LA	38	740	525	880	23.8
IN	54	8,888	8,578	7,434	74.8	OK	95	15,888	13,832	5,888	30.8
IL	383	35,180	34,711	2,123	8.3	TX	225	18,885	17,821	11,107	40.8
MI	253	22,845	17,575	13,851	71.1	So.:					
WI	118	11,275	9,827	6,087	88.8	MT	52	4,185	3,838	487	16.9
W. No. Cent.:						ID	47	2,281	2,088	815	32.2
MN	3,441	6,001	5,287	4,888	88.8	WY	118	1,888	1,387	101	4.2
IA	82	10,024	9,412	2,182	43.8	CO	287	7,884	7,487	3,838	110.2
MO	107	12,442	11,457	2,324	14.1	NE	118	8,781	4,387	2,231	38.1
ND	18	850	837	640	40.3	AZ	37	2,088	1,800	1,385	25.8
SD	113	5,578	5,231	2,832	51.8	UT	95	5,380	3,881	2,322	23.8
NE	148	8,413	7,318	3,887	82.8	NV	144	3,104	2,888	757	23.8
KS	37	4,452	3,248	1,888	44.0	Pac.:					
So. Atl.:						WA	234	46,888	44,538	5,323	24.0
DE	11	2,738	2,280	2,918	72.4	OR	88	37,188	35,312	6,223	33.8
MD	218	8,880	8,338	5,535	38.3	CA	1,280	72,857	65,941	32,255	23.8
VA	54	3,838	3,177	1,888	24.8	AK	3,110	5,280	2,222	88	1.1
						HI	25	20,300	20,088	1,188	25.8

¹ Includes overnight visitors.

Source: National Association of State Park Directors, Austin, TX, Annual Information Exchange.

NO. 377. PERSONAL CONSUMPTION EXPENDITURES FOR RECREATION: 1970 TO 1987

(In billions of dollars, except percent. Represents market value of purchases of goods and services by individuals and nonprofit institutions.)

TYPE OF PRODUCT OR SERVICE	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Total recreation expenditures	42.7	79.2	115.0	128.8	138.3	152.1	168.3	188.7	201.7	223.3
Percent of total personal consumption ¹	6.7	6.9	6.8	6.7	6.7	6.8	6.9	7.1	7.2	7.4
Books and maps	2.8	3.8	5.8	6.2	6.6	7.2	7.8	8.1	8.8	9.7
Magazines, newspapers, and sheet music	4.1	6.4	10.4	11.0	11.4	12.0	12.7	13.2	13.8	15.8
Non-durable toys and sport supplies	6.5	9.0	14.8	16.0	16.8	18.0	18.7	21.1	23.1	26.8
Wheat goods, durable toys, sports equipment ²	5.2	10.5	11.2	16.7	19.3	20.4	24.8	28.7	29.8	33.4
Radio and television receivers, records, and musical instruments	8.5	13.5	19.8	22.0	24.5	28.2	31.5	37.0	38.8	41.2
Radio and television repair	1.4	2.2	2.8	2.7	2.8	2.8	2.8	3.2	3.3	3.7
Flowers, seeds, and potted plants	1.8	2.7	4.0	4.4	4.5	4.8	5.2	5.5	6.1	6.7
Admissions to specified spectator amusements	3.3	4.5	6.5	6.9	7.8	8.5	9.5	9.5	10.2	11.1
Motion picture theaters	1.8	2.2	2.7	2.9	3.3	3.8	3.8	3.8	3.8	4.1
Legitimate theaters and opera, and entertainments of nonprofit institutions ³	.5	.8	1.8	2.0	2.1	2.4	2.7	3.0	3.4	3.7
Spectator sports	1.1	1.3	2.0	2.0	2.3	2.6	2.9	2.9	2.1	3.3
Clubs and fraternal organizations ⁴	1.5	1.8	3.0	3.4	3.8	4.2	4.5	4.8	5.0	6.4
Commercial participant amusements ⁵	2.4	4.8	6.7	11.7	12.5	13.6	14.1	15.1	18.0	17.3
Per-mutual net receipts	1.1	1.7	2.1	2.2	2.2	2.3	2.6	2.6	2.6	2.7
Other ⁶	5.1	9.7	19.4	23.4	25.0	30.0	33.1	38.9	44.1	48.3

¹ See table 888. ² Includes books and pleasure aircraft. ³ Except athletic. ⁴ Consists of dues and fees excluding insurance premiums. ⁵ Consists of billiard parlors, bowling alleys, dancing, riding, shooting, skating, and swimming places; amusement devices and parks; golf courses; sightseeing buses and guides; private flying operations and other commercial participant amusements. ⁶ Consists of net receipts of lotteries and expenditures for purchase of pets and pet care services, cable TV, film processing, photographic studios, sporting and recreation camps, and recreational services, not elsewhere classified.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1989-1992*; and *Survey of Current Business*, July issues.

NO. 378. AVERAGE ANNUAL EXPENDITURES OF ALL CONSUMER UNITS FOR ENTERTAINMENT AND READING, 1985 AND 1986, AND BY SELECTED CHARACTERISTICS, 1986

[In dollars, except as indicated. Based on Consumer Expenditure Interview Survey; see text, section 14, for description of survey. See also headings, table 705]

YEAR AND CHARACTERISTIC	ENTERTAINMENT AND READING		ENTERTAINMENT ¹				Reading
	Total	Percent of total expenditures	Total	Fees and admissions	Television, radio, and sound equipment	Other equipment and services	
1985	1,289	6.5	1,085	330	355	400	141
1986, all consumer units	1,297	6.4	1,087	336	373	406	148
Age of reference person:							
Under 25 years old	789	6.4	672	307	273	182	67
25-34 years old	1,238	6.4	1,101	276	388	438	124
35-44 years old	1,236	6.2	1,057	451	328	678	178
45-54 years old	1,610	6.3	1,431	432	608	481	179
55-64 years old	1,216	6.1	1,080	305	341	414	186
65-74 years old	885	4.8	686	236	228	224	139
75 years old and over	391	3.3	299	98	148	53	82
Region of residence: Northeast	1,289	6.6	1,180	339	382	436	188
Midwest	1,124	5.2	985	295	341	346	139
South	1,127	5.2	1,014	287	383	384	118
West	1,484	5.7	1,266	382	422	463	166
Size of consumer unit: One person	687	6.2	685	302	228	188	102
Two persons	1,229	6.2	1,073	312	381	400	166
Three persons	1,483	6.0	1,338	308	486	574	145
Four persons	1,713	6.6	1,547	489	480	604	186
Five persons	1,672	6.6	1,512	399	519	584	180
Six persons or more	1,462	6.1	1,325	316	533	476	126
Income before taxes:							
Complete income reporters ²	1,282	6.4	1,106	314	378	417	143
Under \$5,000	689	5.3	695	141	207	187	84
\$5,000-\$9,999	474	4.1	386	102	175	119	78
\$10,000-\$14,999	706	4.7	606	138	267	200	101
\$15,000-\$19,999	948	5.2	834	186	289	380	114
\$20,000-\$29,999	1,199	5.2	1,062	353	389	400	146
\$30,000-\$39,999	1,886	6.0	1,613	383	486	633	173
\$40,000 and over	2,546	6.6	2,282	758	684	832	364
Incomplete reporters of income	1,006	6.2	886	298	331	309	112

¹ Some expenditures for vacation trips are not included in this category, such as food, lodging, and vehicle expenses.

² A complete reporter is a consumer unit providing values for at least one of the major sources of income.

Source: U.S. Bureau of Labor Statistics, *Consumer Expenditure Survey, Interview Survey, annual*.

NO. 379. SPORTING GOODS SALES, BY PRODUCT CATEGORY: 1980 TO 1986

[In millions of dollars, except percent. Based on a sample survey of consumer purchases of 80,000 households, except recreational transport, which was provided by industry associations]

SELECTED PRODUCT CATEGORY	1980	1981	1982	1983	1984	1985	1986	1987	1988, (est.)
Sales, all products	16,881	18,738	18,664	23,111	26,461	27,448	30,914	33,738	36,142
Annual percent change ¹	-1.4	12.2	-2	23.7	14.2	4.0	11.5	10.2	4.2
Percent of retail sales	1.7	1.8	1.7	2.0	2.1	2.0	2.1	2.2	(NA)
Athletic and sport clothing ²	3,127	3,391	3,014	3,236	3,432	3,576	3,631	4,846	4,948
Athletic and sport footwear ²	1,731	1,786	1,889	2,189	2,391	2,619	2,189	2,446	2,577
Gym shoes, sneakers	466	616	659	639	689	856	842	889	727
Jogging and running shoes	397	372	431	557	591	572	476	475	461
Tennis shoes	389	284	287	340	371	470	448	401	341
Aerobic shoes	(NA)	(NA)	10	39	84	176	339	367	397
Basketball shoes	86	80	81	118	169	186	187	189	188
Golf shoes	66	76	86	116	110	109	120	130	139
Athletic and sport equipment ²	6,467	6,762	7,114	7,865	8,317	8,922	8,477	8,788	10,172
Firearms and hunting	1,351	1,454	1,567	1,886	1,920	1,890	1,675	1,804	1,677
Fishing tackle	539	689	589	606	816	681	773	630	680
Camping	646	683	736	790	899	784	839	858	901
Golf	386	413	483	633	630	730	638	957	1,034
Snow skiing	379	307	332	366	602	593	622	661	713
Optics	(NA)	(NA)	(NA)	(NA)	284	309	369	375	394
Tennis	237	254	277	293	316	273	280	238	247
Archery	149	169	168	179	212	212	214	214	214
Baseball and softball	108	157	164	173	153	178	180	173	180
Water ski	123	123	106	123	146	125	132	148	157
Bowling accessories	107	107	103	106	106	106	114	129	133
Recreational transport	6,346	6,577	6,699	8,771	12,271	12,899	14,067	16,873	18,547
Bicycles and supplies	1,233	1,298	1,148	1,036	1,840	2,109	2,516	2,272	2,291
Pleasure boats	2,718	3,666	3,684	4,812	6,209	6,753	7,372	8,906	9,351
Recreational vehicles	1,178	1,820	1,701	3,388	4,082	3,515	3,640	4,507	4,705
Snowmobiles	216	202	123	183	140	162	177	188	200

NA Not available. ¹ Change from prior year shown for 1980, change from 1979. Minus sign (-) indicates decrease. For explanation of average annual percent change, see Guide to Tabular Presentation. ² Category does not completely cover all sales. ³ Includes other products not shown separately.

Source: National Sporting Goods Association, Mt. Prospect, IL, *The Sport Goods Market in 1987*, and prior issues. (Copyright.)

NO. 300. QUANTITY OF BOOKS SOLD AND VALUE OF U.S. DOMESTIC CONSUMER EXPENDITURES, BY TYPE OF PUBLICATION AND MARKET AREA: 1975 TO 1987

[Includes all titles released by publishers in the U.S. and imports which appear under the imprints of American publishers. Multi-volume sets, such as encyclopedias, are counted as one unit]

TYPE OF PUBLICATION AND MARKET AREA	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987, prel.
UNITS SOLD (mil.)												
Total ¹	1,541	1,688	1,768	1,798	1,888	1,946	1,924	2,045	2,012	2,044	2,071	2,122
Hardbound, total	528	573	601	628	680	742	690	749	738	831	851	884
Softbound, total	1,015	1,093	1,168	1,170	1,167	1,153	1,233	1,297	1,224	1,213	1,221	1,238
Trade	272	320	356	375	467	485	518	614	612	685	702	737
Adult	182	217	255	285	369	372	368	408	424	455	465	486
Juvenile	90	103	101	90	118	123	182	205	188	210	237	251
Religious	68	128	135	145	152	149	157	163	162	144	142	130
Professional	51	61	72	85	103	110	125	136	129	140	156	165
Bookclubs	185	215	202	158	127	126	121	121	111	107	103	104
EPh text	257	242	244	246	217	218	220	222	231	236	231	210
College text	84	63	61	101	118	119	119	122	114	110	108	113
Mail order publications	85	108	117	130	145	162	136	121	109	111	111	115
Mass market paperbacks	481	500	539	548	485	506	517	542	541	519	508	540
General retailers	586	666	744	775	841	857	911	1,019	1,004	1,023	1,051	1,101
College stores	186	214	228	223	242	245	251	266	260	259	257	285
Libraries and institutions	73	78	82	87	83	88	86	90	90	94	96	96
Schools	309	299	296	289	271	280	257	233	269	270	264	245
Direct to consumers	288	326	344	347	328	346	320	306	284	286	282	280
Other	63	61	64	78	80	88	86	109	111	115	118	121
CONSUMER EXPENDITURES (mil. dol.)												
Total ¹	4,888	5,300	7,331	7,948	8,854	9,806	10,546	12,612	12,637	14,872	16,062	16,862
Hardbound, total	3,278	4,032	4,846	5,143	5,731	6,483	6,801	7,574	8,136	8,824	9,588	10,809
Softbound, total	1,609	2,268	2,585	2,805	3,123	3,444	3,949	4,438	4,701	5,148	5,455	6,044
Trade	1,082	1,439	1,656	1,856	2,095	2,242	2,325	2,861	3,150	3,688	3,978	4,670
Adult	696	1,180	1,379	1,553	1,954	2,242	2,325	2,861	3,150	3,688	3,978	4,670
Juvenile	226	259	279	303	385	453	499	600	659	818	898	1,140
Religious	368	520	552	628	687	763	838	997	1,130	1,130	1,177	1,242
Professional	580	788	1,053	1,156	1,453	1,656	1,871	2,136	2,207	2,415	2,705	2,910
Bookclubs	338	414	472	480	473	487	504	530	519	544	587	627
EPh text	683	763	834	932	880	931	1,002	1,108	1,251	1,430	1,522	1,821
College text	635	725	819	957	1,289	1,289	1,429	1,577	1,888	1,797	1,803	1,882
Mail order publications	321	428	472	531	582	586	552	589	569	597	598	606
Mass market paperbacks	651	697	981	1,011	987	1,096	1,199	1,338	1,433	1,479	1,458	1,580
General retailers	1,595	2,123	2,600	2,838	3,341	3,841	4,224	5,536	6,158	6,836	7,543	8,543
College stores	685	1,140	1,319	1,383	1,603	1,833	2,037	2,426	2,426	2,615	2,769	3,026
Libraries and institutions	452	561	652	747	846	887	954	1,110	1,227	1,338	1,453	1,653
Schools	646	945	1,014	1,113	1,178	1,191	1,288	1,622	1,708	1,828	1,868	1,868
Direct to consumers	1,116	1,411	1,816	1,749	1,784	1,959	1,997	1,985	2,016	2,113	2,211	2,373
Other	94	120	130	119	124	147	163	204	224	249	269	302

¹ Types of publications include university press publications and subscription reference works, not shown separately.

Source: Book Industry Study Group, Inc., New York, NY, *Book Industry Trends*, annual. (Copyright.)

NO. 361. SELECTED CHARACTERISTICS OF READERS—PERCENT DISTRIBUTION: 1983

[Covers persons 16 years old and over. Book reader is one who read one or more books in the six months prior to the survey; a non-book reader read newspapers or magazines but no books in the previous six months; and a nonreader did not read a book, newspaper, or magazine. Based on a sample survey of 1,429 respondents. For composition of regions, see fig. 1, inside front cover]

CHARACTERISTICS	Book reader	Non-book reader	Non-reader	CHARACTERISTICS	Book reader	Non-book reader	Non-reader
All persons	68	44	6	Educational attainment			
Male	42	62	6	High school or less	40	53	8
Female	57	37	6	Some college	58	29	3
White	62	44	4	College or more	75	24	1
Other races	38	47	15	Household income			
16-20 years	62	31	6	Less than \$15,000	35	54	11
21-29 years	60	36	3	\$15,000-\$24,999	62	41	6
30-39 years	58	38	3	\$25,000-\$39,999	59	39	3
40-49 years	55	38	6	\$40,000 and over	70	29	1
50-54 years	39	64	6	Region			
55 years and over	29	61	10	Northeast	46	46	5
				Midwest	47	49	5
				South	46	45	7
				West	59	34	7

Source: Book Industry Study Group, Inc., New York, NY, *1988 Consumer Research Study on Reading and Book Purchasing*. (Copyright.)

No. 382. NEW BOOKS AND NEW EDITIONS PUBLISHED, AND IMPORTS, BY SUBJECT: 1980 TO 1987

[Covers listings in Bowker's *Weekly Record* in year shown, plus titles issued in that year which were listed in following six months. Compares new books (published for first time) and new editions (with changes in text or format). Excludes government publications; books sold only by subscription; dissertations; periodicals and quarterlies; and pamphlets under 48 pages. See also *Historical Statistics, Colonial Times to 1870*, series R 191-216.]

SUBJECT	NEW BOOKS AND NEW EDITIONS							IMPORTS					
	1980	1982	1983	1984	1985	1986	1987, prel.	1980	1982	1984	1985	1986	1987, prel.
Total ..	42,377	46,935	53,380	51,088	50,870	52,637	45,401	5,380	5,515	6,237	7,304	7,746	5,822
Agriculture	451	439	572	607	636	684	470	104	87	103	118	124	88
Art	1,891	1,722	1,896	1,836	1,845	1,987	1,280	157	137	81	168	168	76
Biography	1,691	1,752	2,135	2,098	1,953	2,182	1,818	126	100	240	216	188	102
Business	1,186	1,327	1,838	1,898	1,518	1,604	1,212	74	132	140	188	189	114
Education	1,011	1,046	1,059	1,082	1,085	1,089	988	133	140	180	211	220	209
Fiction	2,835	5,419	5,470	5,413	5,105	5,578	5,647	71	127	184	171	847	184
General works	1,843	2,385	2,787	3,021	2,805	2,484	2,117	132	241	288	329	348	277
History	2,220	2,177	2,298	2,257	2,327	2,471	2,230	236	291	234	265	284	224
Home economics	579	1,089	1,325	1,308	1,328	1,103	967	40	43	41	41	42	25
Juvenile	2,859	3,049	3,197	3,188	3,801	4,518	3,784	39	72	89	82	112	88
Language	529	576	689	670	692	698	514	134	160	179	218	304	131
Law	1,102	1,451	1,758	1,406	1,349	1,385	1,142	112	141	188	170	180	188
Literature	1,886	1,742	1,857	2,005	1,884	2,145	1,818	183	200	238	287	291	188
Medicine	3,292	3,229	4,002	3,554	3,579	3,445	3,339	871	474	808	596	685	638
Music	357	348	417	387	384	398	271	26	80	54	70	98	38
Philosophy, psychology	1,428	1,465	1,578	1,554	1,589	1,689	1,518	219	183	211	257	283	216
Poetry and drama	1,179	1,048	1,234	1,184	1,165	1,278	1,011	120	168	174	220	218	112
Religion	2,055	2,075	2,433	2,482	2,584	2,789	2,308	84	119	180	173	141	123
Science	3,108	3,134	3,680	3,236	3,304	3,380	3,785	1,089	1,042	1,032	1,242	1,214	921
Sociology, economics	7,152	7,449	8,470	7,784	7,441	7,912	6,491	1,080	1,284	1,273	1,588	1,885	1,212
Sports, recreation	871	1,181	1,335	1,298	1,154	1,182	1,088	85	136	137	107	110	82
Technology	2,337	2,328	2,804	2,889	2,628	2,688	2,184	373	481	454	419	818	433
Travel	504	482	582	581	488	543	488	85	80	61	61	48	35

¹ Increase is due largely to a major improvement in the recording of paperback books.

² Revised since originally published.

Source: R. R. Bowker Co., New York, NY, *Publishers Weekly*. (Copyright by Reed Publishing.)

No. 383. BOOKS AND PERIODICALS—AVERAGE RETAIL PRICES: 1980 TO 1987

[See footnote, table 382.]

SUBJECT	BOOKS (per vol.)				SUBJECT	PERIODICALS ³			
	1980	1982	1985	1987, prel.		1980	1982	1985	1987, prel.
Hardcover ¹	\$34.84	\$31.48	\$32.43	\$35.35	Total	\$54.54	\$69.70	\$66.08	\$71.41
Agriculture	27.55	29.77	38.28	45.95	Agriculture	15.24	28.05	25.71	31.14
Art	27.70	35.15	35.41	38.43	Business and economics	25.42	44.41	47.15	50.28
Biography	19.77	22.20	22.88	24.39	Chemistry and physics	137.45	238.43	284.05	284.05
Business	22.45	28.84	30.72	31.77	Children's periodicals	7.85	13.31	13.76	15.19
Education	17.01	27.28	28.11	31.33	Engineering	48.15	64.38	92.88	103.49
Fiction	12.48	15.29	18.84	18.18	Fine and applied arts	18.67	27.03	26.26	30.68
General reference	29.84	37.91	38.97	40.77	History	15.77	25.55	28.04	27.84
History	22.79	27.02	28.44	31.42	Home economics	24.83	41.04	45.59	48.67
Home economics	13.31	17.50	18.97	20.34	Industrial arts	20.70	35.09	39.75	41.45
Juvenile	8.16	9.95	10.64	11.88	Journalism, communications	27.34	48.08	47.54	50.88
Language	22.16	28.88	32.80	37.02	Labor and industrial relations	18.84	34.75	37.14	38.85
Law	33.25	41.70	49.20	47.81	Law	23.00	35.15	35.44	38.82
Literature	18.70	24.53	25.73	28.38	Library and information science	23.25	40.86	42.82	45.42
Medicine	34.28	44.26	48.80	58.55	Literature and languages	15.30	24.18	25.21	28.21
Music	21.79	28.79	32.59	35.83	Mathematics, botany, geology, and general science	67.54	116.59	129.85	148.08
Philosophy, psychology	21.70	25.11	29.85	32.49	Medicine	73.37	137.92	151.77	189.38
Poetry and drama	17.85	22.14	25.11	26.22	Philosophy and religion	14.79	24.30	24.85	25.80
Religion	17.61	18.13	21.80	24.22	Education	23.45	37.81	40.47	43.30
Science	37.45	51.19	55.85	60.83	Physical education and recreation	13.89	23.72	24.78	28.87
Sociology, economics	31.78	33.33	30.34	38.81	Political science	19.30	32.72	35.19	38.95
Sports, recreation	15.92	23.43	23.25	23.49	Psychology	41.85	78.34	83.71	92.05
Technology	33.84	50.37	55.00	58.21	Sociology and anthropology	27.88	80.87	58.31	60.29
Travel	18.80	24.88	24.22	27.42	Zoology	44.89	80.75	102.89	112.81
Paperbacks:					General interest periodicals	19.87	28.41	28.85	27.79
Mass market ²	(na)	3.88	3.88	3.88					
Trade or other	8.50	13.88	14.88	14.83					

NA Not available. ¹ Excludes publications of U.S. and other governmental units, books sold only by subscription, and dissertations. ² "Pocket-sized" books sold primarily through magazines and news outlets, supermarkets, variety stores, etc. ³ Average annual subscription prices.

Source: R. R. Bowker Co., New York, NY, *Books, Publishers Weekly*, March 1988; *The Bowker Annual of Library and Book Trade Information*; *Periodicals, Library Journal* April 18, 1987, and earlier issues. (Copyright by Reed Publishing.)

NO. 384. PHONOGRAPH RECORDS AND OTHER RECORDING MEDIA—MANUFACTURERS' SHIPMENTS, AND VALUE, 1973 TO 1987

[Domestic shipments based on reports of manufacturers representing more than 95 percent of the market. Domestic value data based on list prices of records and other media]

TYPE OF MEDIA	1973	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
UNIT SHIPMENTS¹ (mil.)											
Total	814.9	831.8	791.3	883.7	836.4	877.7	878.9	878.8	882.8	818.3	788.8
Phonograph records	808.0	421.0	513.8	487.1	448.9	381.1	384.4	386.1	287.7	218.1	188.8
Long-playing albums ²	280.0	257.0	318.3	322.8	286.2	243.9	208.8	204.8	187.0	125.2	107.0
Singles	238.0	184.0	185.5	184.3	154.7	137.2	134.8	131.8	182.7	88.9	82.8
Pre-recorded	106.0	110.8	187.5	188.8	186.5	190.8	242.8	337.9	348.8	348.2	418.1
8-track cartridges	81.0	94.8	104.7	88.4	48.5	14.3	8.0	5.9	3.5	1.7	(0)
Cassettes	15.0	18.2	82.8	110.2	137.0	182.8	238.8	332.0	338.1	344.5	410.0
Cassette singles	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	5.1
Compact discs	(0)	(0)	(0)	(0)	(0)	(0)	.8	6.8	22.8	88.0	182.1
MANUFACTURERS' VALUE (mil. dol.)											
Total	2,081.8	2,378.5	3,886.4	3,882.4	3,888.8	3,841.8	3,814.3	4,378.4	4,387.8	4,881.2	5,887.5
Phonograph records	1,438.0	1,588.5	2,411.4	2,558.8	2,388.1	2,208.1	1,888.3	1,847.5	1,881.5	1,211.1	888.4
Long-playing albums ²	1,348.0	1,488.0	2,138.0	2,280.3	2,341.7	1,885.1	1,888.0	1,548.8	1,380.5	883.0	788.1
Singles	180.0	211.5	275.4	288.3	288.4	288.0	288.8	288.7	281.8	288.1	208.9
Pre-recorded	885.0	881.8	1,274.0	1,302.8	1,371.8	1,433.5	1,838.8	2,418.8	2,438.8	2,510.0	2,977.5
8-track cartridges	488.0	588.0	688.4	588.4	300.0	48.0	27.8	35.7	25.3	18.5	3.8
Cassettes	78.0	88.8	804.5	778.4	1,082.8	1,384.5	1,810.8	2,388.8	2,411.5	2,488.5	2,888.7
Cassette singles	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	14.3
Compact discs	(0)	(0)	(0)	(0)	(0)	(0)	17.2	108.3	388.5	880.1	1,883.8

X Not applicable. Z Rounds to zero. ¹ Units net after returns. ² Includes extended play albums.

Source: Recording Industry Association of America, Inc., Washington, DC, *Inside the Recording Industry: A Statistical Overview—1987 Update* (copyright) and press releases.

NO. 386. CONSUMER ELECTRONICS—SHIPMENTS AND RETAIL VALUE: 1986 AND 1987

[Compiled from reports of associations and manufacturers. Shipments represent number of units available for sale in the U.S., including imports. Retail value represents median price of product times the number of units shipped]

PRODUCT	MANUFACTURERS SHIPMENTS (1,000)		RETAIL VALUE (mil. dol.)		PRODUCT	MANUFACTURERS SHIPMENTS (1,000)		RETAIL VALUE (mil. dol.)	
	1986	1987	1986	1987		1986	1987	1986	1987
Audio/hifi:					Electronics furniture	6,673	6,779	1,088	1,088
Components ¹	10,914	11,270	2,041	2,084	Specialty radios	8,154	8,408	477	480
Receivers	1,843	1,887	483	505	Satellite earth stations	255	252	513	508
Turntables (incl. OEM)	1,585	1,382	187	182					
Speakers (components only)	3,789	3,871	535	570	Software:				
Compact disc players	1,384	1,675	357	348	Audio	288,500	327,570	451	582
Cartridges (incl. OEM)	2,785	2,838	88	78	Blank videotape ²	278,438	280,551	1,181	1,075
Headphones	3,425	3,534	140	149	Beta	34,785	28,578	145	100
Compact systems	2,484	2,554	421	433	VHS	240,843	248,475	1,008	888
Dual cassette/turntable	1,118	1,188	151	159	Pre-recorded videotape ²	85,441	88,183	2,416	2,417
Personal portable stereos	8,388	8,578	422	438	Beta	6,707	5,847	246	197
Portable tape equipment	30,835	30,753	1,448	1,442	VHS	58,224	62,701	2,180	2,211
Pushed systems	854	917	580	534	Videodisc laser	10,040	11,722	328	377
Radio	29,888	30,878	845	818	Computer, blank floppy disks	425,000	545,408	880	784
					Home computer software	18,175	20,574	485	527
Mobile electronics:					Telephone equipment:				
Autosound	21,828	22,881	2,022	2,183	Corded telephones	23,788	24,046	1,008	984
Radar detectors	1,888	1,884	283	277	Cordless telephones	4,278	4,841	410	438
CB radios	1,884	1,887	148	153	Telephone answering equipment	4,858	5,558	538	578
Cellular telephones	385	331	423	508					
Auto security systems	1,028	1,371	287	308	Video:				
					TV, B&W	3,730	3,808	384	340
Home office:					TV, color	18,858	18,774	7,832	7,813
Calculators	31,318	32,827	727	838	TV, projection	315	285	884	857
Electronic typewriters	2,038	2,188	448	484	Video cassette recorders	12,885	12,304	5,057	4,788
Personal computers	3,075	3,888	2,883	3,313	Video cameras	181	110	118	77
Monitors	880	888	180	187	Video cassette players	188	182	28	28
Printers	1,588	1,588	1,071	1,038	Videodisc players	128	142	28	88
Personal copiers	288	381	838	258					
Facsimile machines	181	288	584	715					

¹ Includes other products, not shown separately.

² Includes Beta videotapes, not shown separately.

Source: Datacube Merchandising, Philadelphia, PA, Merchandising, 68th Annual Statistical and Marketing Report, March 1988.

No. 306. SELECTED SPECTATOR SPORTS: 1975 TO 1987

(See also *Historical Statistics, Colonial Times to 1899*, series H 695-679 and H 672)

SPORT	Unit	1975	1980	1981	1982	1983	1984	1985	1986	1987
Baseball, major leagues: ¹										
Attendance.....	1,000	30,373	43,748	* 27,389	45,415	46,389	46,389	47,742	48,482	53,182
Regular season.....	1,000	29,792	43,914	* 26,544	44,957	45,540	44,742	46,034	47,886	52,911
National League.....	1,000	16,820	21,134	* 12,479	21,307	21,548	20,791	22,332	22,333	24,734
American League.....	1,000	12,973	21,980	* 14,065	23,650	23,991	23,951	24,302	25,173	27,277
Playoffs.....	1,000	278	407	433	453	435	348	391	394	764
World Series.....	1,000	305	355	355	355	394	272	327	322	387
Player's salaries: ²										
Average.....	\$1,000	45	144	199	241	236	285	371	413	412
Basketball: ³										
Men's:										
College: ⁴										
Teams.....	Number	(na)	1,399	1,275	1,394	1,399	1,399	1,395	1,395	1,279
Attendance.....	1,000	(na)	20,982	20,989	21,708	21,471	21,984	22,057	21,845	21,911
Women's:										
College: ⁵										
Teams.....	Number	(na)	(na)	(na)	1,000	1,114	1,147	1,189	1,189	1,189
Attendance.....	1,000	(na)	(na)	(na)	4,389	4,389	4,812	5,440	5,481	5,825
Pro: ⁶										
Teams.....	Number	18	22	23	23	23	23	23	23	23
Attendance, total: ⁷	1,000	7,891	10,897	10,235	10,732	10,282	11,116	11,491	12,182	12,188
Regular season.....	1,000	6,982	9,898	9,445	9,892	9,389	10,916	10,989	11,215	12,039
Average per game.....	Number	3,380	11,017	10,821	10,895	10,382	10,889	11,341	11,835	12,785
Playoffs.....	1,000	909	740	789	727	893	1,200	905	979	1,291
Player's salaries:										
Average.....	\$1,000	(na)	170	171	212	249	275	385	375	440
Football:										
College: ⁸										
Teams.....	Number	694	642	646	646	651	694	681	686	697
Attendance.....	1,000	31,895	25,541	25,807	26,899	26,382	26,892	26,312	26,899	26,493
National Football League: ⁹										
Teams.....	Number	26	26	26	26	26	26	26	26	26
Attendance, total.....	1,000	10,799	14,082	14,236	* 13,204	13,933	14,083	14,083	17,364	* 15,180
Regular season.....	1,000	10,213	13,382	13,807	* 12,987	13,277	13,388	13,345	13,389	* 11,408
Average per game.....	Number	95,116	52,787	60,748	* 59,472	69,273	69,813	69,887	60,889	* 54,315
Postseason games: ¹⁰	1,000	899	700	719	* 1,137	878	909	711	794	896
Player's salaries: ¹¹										
Average.....	\$1,000	49	79	80	102	127	169	169	303	212
Median.....	\$1,000	(na)	79	75	80	80	110	140	150	175
U.S. Football League, attendance: ¹²	1,000	(0)	(0)	(0)	(0)	2,891	4,394	3,295	6,390	(0)
North American Soccer League: ¹³										
Teams.....	Number	20	24	21	14	12	9	(0)	(0)	(0)
Attendance.....	1,000	1,235	6,184	5,423	3,251	2,899	1,169	(0)	(0)	(0)
National Hockey League: ^{14, 15}										
Regular season attendance.....	1,000	8,822	* 10,894	10,726	10,710	11,021	11,893	11,893	11,821	11,895
Playoffs attendance.....	1,000	784	* 877	898	1,085	1,005	1,107	1,100	1,182	1,394
Player's salaries: ¹⁶										
Average.....	\$1,000	(na)	105	120	134	139	149	149	159	(na)
Horse racing: ^{16, 17}										
Racing days.....	Number	13,110	13,133	12,464	13,829	13,546	13,893	13,745	13,893	19,205
Attendance.....	1,000	73,692	74,890	76,468	76,899	76,899	74,079	73,348	70,580	70,105
Pari-mutuel turnover.....	ML dol	7,092	11,219	11,877	11,095	11,739	12,039	12,222	12,421	13,122
Revenue to government.....	ML dol	892	713	890	898	899	899	895	897	898
Greyhound: ¹⁸										
Total performances.....	Number	3,890	5,099	6,379	6,499	8,257	8,861	8,890	10,894	11,169
Attendance.....	1,000	17,498	20,874	21,494	21,279	22,140	22,076	22,893	25,799	26,215
Pari-mutuel turnover.....	ML dol	1,391	2,094	2,179	2,179	2,305	2,421	2,702	3,005	3,193
Revenue to government.....	ML dol	81	162	182	180	170	177	201	215	221
Jai alai: ¹⁹										
Teams.....	Number	9	9	12	12	12	12	12	16	19
Attendance.....	1,000	4,229	3,980	5,499	4,949	4,539	4,579	4,722	5,757	(na)
Pari-mutuel turnover.....	ML dol	204.9	(na)	(na)	622.9	618.9	695.9	694.9	897.9	707.9
Professional rodeo: ²⁰										
Rodeos.....	Number	994	931	941	999	990	949	917	919	937
Performances.....	Number	1,817	1,821	1,841	1,836	1,394	1,835	1,897	1,895	1,832
Members.....	Number	2,951	5,114	5,391	5,491	5,393	5,294	5,239	5,609	5,342
Permit-holders (rodeos).....	Number	5,094	4,039	4,479	4,105	2,929	2,911	2,834	2,700	2,749

NA Not available X Not applicable. ¹ Source: The National League of Professional Baseball Clubs, New York, NY, *National League Green Book*, and The American League of Professional Baseball Clubs, New York, NY, *American League Red Book*. ² Season was interrupted by strike. ³ Source: Major League Baseball Players Association, New York, NY. ⁴ Season ending in year shown. ⁵ Source: National Collegiate Athletic Assn., Mission, KS. ⁶ Source: National Basketball Assn., New York, NY. Includes playoffs. ⁷ Includes All-Star game. ⁸ Source: National Football League, New York, NY. ⁹ Includes Pro Bowl, a non-championship game and Super Bowl. ¹⁰ Source: National Football League Players Association, Washington, DC. ¹¹ Source: U.S. Football League, New York, NY. League no longer in existence. ¹² Source: North American Soccer League, New York, NY. League no longer in existence. ¹³ Source: National Hockey League, Montreal, Quebec. ¹⁴ World Hockey Association ceased operation after 1978-1979 season. Four former WHA teams joined NHL in 1979-1980 season. ¹⁵ Source: National Hockey League Players Association, Toronto, Canada. ¹⁶ Source: Association of Racing Commissioners International, Inc., Lexington, KY. ¹⁷ Includes thoroughbred, harness, quarter horse, and fairs. ¹⁸ Florida only. ¹⁹ Source: National Association of Jai-alai Frontons, Inc., Daytona Beach, FL. ²⁰ Source: Professional Rodeo Cowboys Association, Colorado Springs, CO, *Official Professional Rodeo Media Guide*, annual. (Copyright.)

Source: Compiled from sources listed in footnotes.

Recreational Activities

No. 387. SELECTED RECREATIONAL ACTIVITIES: 1970 TO 1987

[See also Historical Statistics, Colonial Times to 1970, series H 862-864, H 871, H 874, and H 877]

ACTIVITY	Unit	1970	1975	1980	1980	1980	1984	1989	1988	
Softball, amateur: ¹										
Total participants ²	Million	16	26	30	30	30	35	41	41	
Youth participants	1,000	255	450	650	680	700	700	712	717	
Adult teams ³	1,000	29	66	110	133	146	146	152	172	
Youth teams ³	1,000	2	9	16	22	27	29	31	35	
Golfers (1 round or more) ⁴	1,000	11,245	13,036	15,112	16,003	16,514	17,009	17,520	20,000	2
Golf rounds played	1,000	266,169	306,562	357,701	378,791	390,866	402,603	414,777	421,000	43
Golf facilities	Number	10,169	11,370	12,005	12,140	12,197	12,278	12,346	12,384	1
Classification:										
Private	Number	4,619	4,770	4,839	4,798	4,809	4,831	4,831	4,865	
Daily fee	Number	4,245	5,014	5,372	5,494	5,528	5,566	5,573	5,567	
Municipal	Number	1,321	1,586	1,794	1,848	1,860	1,881	1,912	1,912	
Tennis: ⁵										
Players	1,000	10,655	⁶ 29,201	(NA)	⁶ 25,450	(NA)	⁶ 19,456	⁶ 18,951	⁶ 18,017	⁶ 1
Courts	1,000	(NA)	130	(NA)	166	200	220	220	220	
Indoor	1,000	(NA)	8	(NA)	11	13	14	14	14	
Terpin bowling:										
Participants, total ⁸	Million	51.8	62.5	72.0	68.9	(NA)	87.0	87.0	67.0	
Male	Million	24.8	29.9	34.0	32.2	(NA)	32.0	32.0	32.0	
Female	Million	27.0	32.6	38.0	36.7	(NA)	35.0	35.0	35.0	
Establishments ¹⁰	Number	9,140	8,577	8,591	8,481	8,404	8,951	8,275	8,146	
Lanes ¹⁰	1,000	141	141	154	154	154	155	155	153	
Membership, total ¹⁰ ¹¹	1,000	7,733	8,751	9,885	9,550	9,289	8,401	8,064	7,839	
American Bowling Congress	1,000	4,210	4,300	4,586	4,885	4,556	3,791	3,657	3,625	
Women's Bowling Congress	1,000	2,988	3,692	4,118	4,005	3,947	3,886	3,714	3,551	
Young American Bowling Alliance ¹²	1,000	535	759	789	660	785	744	666	663	
Motion picture theaters ¹³ ¹⁴	1,000	14	15	18	18	19	20	21	23	
Four-wall	1,000	10	11	14	15	16	17	18	20	
Drive-in	1,000	4	4	4	3	3	3	3	3	
Receipts, box office	Mill. dol	1,225	2,115	2,749	3,453	3,766	4,031	3,749	3,778	
Admission, average price	Dollars	1.55	2.05	2.89	2.94	3.15	3.36	3.55	3.71	
Attendance	Million	921	1,033	1,022	1,175	1,197	1,199	1,056	1,017	
Bicycles: ¹⁵										
Domestic shipments	Million	5.0	5.6	6.9	5.2	6.3	5.9	5.6	5.3	
Imports	Million	1.9	1.7	2.0	1.8	2.7	4.2	5.6	7.0	
Boating: ¹⁶										
Recreational boats owned	Million	6.8	9.7	11.8	12.9	13.0	13.5	13.8	14.3	
Outboard boats	Million	5.2	5.7	6.8	7.1	7.2	7.3	7.4	7.8	
Inboard boats	Million	.8	.8	1.2	1.3	1.3	1.4	1.4	1.5	
Sailboats	Million	.8	.8	1.0	1.1	1.1	1.1	1.2	1.2	
Canoes	Million	2.4	2.4	1.3	1.5	1.8	1.7	1.8	1.9	
Rowboats and other	Million			1.5	1.9	1.8	1.8	1.8	1.9	
Expenditures, total ¹⁷	Bil. dol	3.4	4.8	7.4	8.1	9.4	12.3	13.3	14.5	
Outboard motors in use	1,000	7,215	7,848	8,241	8,776	9,051	9,400	9,733	10,081	1
Motors sold	1,000	430	435	315	293	337	411	392	410	
Value, retail	Mill. dol	261	411	554	789	964	1,294	1,319	1,464	
Outboard boats sold	1,000	276	328	290	236	273	317	305	314	
Value, retail	Mill. dol	177	263	408	408	502	708	759	835	
Inboard/outdrive boats sold	1,000	43	70	66	55	79	106	115	120	
Value, retail	Mill. dol	182	420	616	663	975	1,442	1,663	1,861	
All terrain vehicles:										
Vehicles in use or owned ¹⁸	1,000	(NA)	(NA)	(NA)	(NA)	1,100	1,000	2,000	2,300	
Imports ¹⁹	1,000	(NA)	(NA)	(NA)	275	430	835	986	498	
Snowmobiles: ²⁰										
Factory sales	1,000	172	144	82	29	27	32	30	36	
Apparent consumption ²¹	1,000	405	145	66	55	53	66	61	66	

NA Not available. ¹ Source: Amateur Softball Association, Oklahoma City, OK. ² Amateur Softball Association team other amateur softball teams. ³ Amateur Softball Association teams only. ⁴ Source: National Golf Foundation, North Beach, FL. ⁵ Source: U.S. Tennis Association, Princeton, NJ. ⁶ Survey by A. C. Nielsen Co. ⁷ 1978 data. ⁸ See National Sporting Goods Association Sports Participation Survey. ⁹ For season ending in year shown. Persons 5 years of over. Source: National Bowling Council, Washington, DC. ¹⁰ Source: American Bowling Congress, Greendale, WI. ¹¹ Membership totals are for U.S., Canada and for U.S. military personnel worldwide. ¹² Prior to represents American Jr. Bowling Congress and ABC/WIBC Collegiate Division. ¹³ Source: Motion Picture Association of America, Inc., New York, NY. ¹⁴ Prior to 1975, figures represent theaters; thereafter, screens. ¹⁵ Source: Bicycle Manufacturers Association of America, Inc., Washington, DC. ¹⁶ Source: National Marine Manufacturers Association, Chicago. ¹⁷ Represents estimated expenditures for new and used boats, motors, accessories, safety equipment, fuel, insurance, do maintenance, storage, repairs, and other expenses. ¹⁸ Source: Specialty Vehicle Institute of America, Costa Mesa. ¹⁹ Source: Motorcycle Industry Council, Inc., Costa Mesa, CA. ²⁰ Source: U.S. International Trade Commission. Estimate. ²¹ Factory sales plus imports minus exports.

Source: Compiled from sources listed in footnotes.

No. 386. SELECTED SPECTATOR SPORTS: 1975 TO 1987

(See also *Historical Statistics, Colonial Times to 1970*, series H 865-870 and H 872)

SPORT	Unit	1975	1980	1981	1982	1983	1984	1985	1986	1987
Baseball, major leagues:¹										
Attendance	1,000	30,373	43,746	² 27,285	45,415	48,269	45,262	47,742	46,452	53,182
Regular season	1,000	29,789	43,014	² 26,544	44,587	45,540	44,742	46,824	47,506	52,011
National League	1,000	16,800	21,124	² 12,478	21,507	21,549	20,781	22,292	22,333	24,734
American League	1,000	13,189	21,890	² 14,066	23,080	23,991	23,961	24,532	25,173	27,277
Playoffs	1,000	278	407	403	443	425	248	591	824	784
World Series	1,000	308	325	338	385	304	272	327	322	387
Player's salaries: ³										
Average	\$1,000	45	144	188	241	289	329	371	413	412
Basketball:⁴										
Men's:										
College: ⁵										
Teams	Number	(NA)	1,258	1,275	1,264	1,288	1,280	1,286	1,285	1,270
Attendance	1,000	(NA)	30,692	30,936	31,108	31,471	31,884	32,057	31,845	31,911
Women's:										
College:										
Teams	Number	(NA)	(NA)	(NA)	1,055	1,114	1,147	1,166	1,188	1,185
Attendance	1,000	(NA)	(NA)	(NA)	4,203	4,288	4,812	5,440	5,461	5,625
Pro: ⁶										
Teams	Number	18	22	23	23	23	23	23	23	23
Attendance, total ⁷	1,000	7,581	10,897	10,235	10,732	10,262	11,110	11,491	12,193	13,185
Regular season	1,000	6,892	9,998	8,449	8,989	8,638	10,015	10,506	11,215	12,065
Average per game	Number	9,339	11,017	10,021	10,863	10,220	10,820	11,141	11,883	12,795
Playoffs	1,000	885	740	765	727	605	1,086	985	978	1,091
Player's salaries:										
Average	\$1,000	(NA)	170	171	212	249	275	325	375	440
Football:										
College: ⁸										
Teams	Number	634	642	648	648	651	654	651	655	657
Attendance	1,000	31,688	35,541	35,807	36,539	36,302	36,652	36,212	36,388	36,453
National Football League: ⁹										
Teams	Number	28	28	28	28	28	28	28	28	28
Attendance, total	1,000	10,769	14,062	14,328	² 8,504	13,953	14,053	14,058	17,304	² 15,180
Regular season	1,000	10,213	13,392	13,807	² 7,367	13,277	13,298	13,345	13,588	² 11,406
Average per game	Number	55,118	59,787	60,745	² 58,472	59,273	59,813	59,667	60,863	² 54,315
Postseason games ¹⁰	1,000	588	700	719	² 1,137	678	655	711	734	655
Player's salaries: ¹⁰										
Average	\$1,000	40	79	80	102	127	158	183	203	212
Median	\$1,000	(NA)	70	75	80	80	110	140	150	175
U.S. Football League, attendance ¹¹	1,000	(X)	(X)	(X)	(X)	2,881	4,394	3,295	2,380	(X)
North American Soccer League: ¹²										
Teams	Number	20	24	21	14	12	9	(X)	(X)	(X)
Attendance	1,000	1,825	8,194	5,429	3,251	2,688	1,155	(X)	(X)	(X)
National Hockey League: ^{4, 13}										
Regular season attendance	1,000	6,522	¹⁴ 10,534	10,728	10,710	11,021	11,359	11,633	11,521	11,858
Playoffs attendance	1,000	784	¹⁴ 877	988	1,088	1,008	1,107	1,109	1,152	1,384
Player's salaries: ¹⁵										
Average	\$1,000	(NA)	108	120	124	130	145	145	156	(NA)
Horsing:^{16, 17}										
Racing days	Number	13,110	13,139	13,484	13,523	13,545	13,883	13,745	13,853	19,205
Attendance	1,000	78,662	74,680	75,483	76,688	75,693	74,076	73,346	70,580	70,105
Par-mutuel turnover	ML dol	7,882	11,218	11,677	11,888	11,733	12,032	12,222	12,421	13,122
Revenue to government	ML dol	582	713	880	653	639	650	625	587	608
Greyhound:¹⁸										
Total performances	Number	3,980	5,555	6,379	6,499	8,257	8,551	9,580	10,554	11,155
Attendance	1,000	17,458	20,874	21,424	21,375	22,140	22,076	23,853	25,759	26,215
Par-mutuel turnover	ML dol	1,261	2,064	2,173	2,179	2,306	2,421	2,702	3,005	3,193
Revenue to government	ML dol	91	152	152	180	170	177	201	215	221
Jai alai:¹⁹										
Teams	Number	9	9	12	12	12	12	12	16	16
Attendance	1,000	4,229	3,939	5,489	4,948	4,829	4,878	4,722	6,757	(NA)
Par-mutuel turnover	ML dol	204.0	(NA)	(NA)	622.5	519.8	655.9	654.0	657.5	707.5
Professional rodeo:¹⁹										
Rodeos	Number	594	631	641	643	650	643	617	616	637
Performances	Number	1,817	1,921	1,941	1,936	1,994	1,935	1,867	1,868	1,832
Members	Number	3,651	5,114	5,391	5,481	5,353	5,324	5,239	5,503	5,942
Permit-holders (rookies)	Number	5,084	4,038	4,478	4,105	2,929	2,911	2,534	2,700	2,745

NA Not available. X Not applicable. ¹ Sources: The National League of Professional Baseball Clubs, New York, NY, *National League Green Book*; and The American League of Professional Baseball Clubs, New York, NY, *American League Red Book*. ² Season was interrupted by strike. ³ Source: Major League Baseball Players Association, New York, NY. ⁴ Season ending in year shown. ⁵ Source: National Collegiate Athletic Assn., Mission, KS. ⁶ Source: National Basketball Assn., New York, NY. Includes playoffs. ⁷ Includes All-Star game. ⁸ Source: National Football League, New York, NY. ⁹ Includes Pro Bowl, a non-championship game and Super Bowl. ¹⁰ Source: National Football League Players Association, Washington, DC. ¹¹ Source: U.S. Football League, New York, NY. League no longer in existence. ¹² Source: North American Soccer League, New York, NY. League no longer in existence. ¹³ Source: National Hockey League, Montreal, Quebec. ¹⁴ World Hockey Association ceased operation after 1978-1979 season. Four former WHA teams joined NHL in 1979-1980 season. ¹⁵ Source: National Hockey League Players Association, Toronto, Canada. ¹⁶ Source: Association of Racing Commissioners International, Inc., Lexington, KY. ¹⁷ Includes thoroughbred, harness, quarter horse, and fairs. ¹⁸ Florida only. Source: National Association of Jai-alai Frontons, Inc., Daytona Beach, FL. ¹⁹ Source: Professional Rodeo Cowboys Association, Colorado Springs, CO, *Official Professional Rodeo Media Guide*, annual. (Copyright.)

Source: Compiled from sources listed in footnotes.

NO. 387. SELECTED RECREATIONAL ACTIVITIES: 1970 TO 1987

[See also *Historical Statistics, Colonial Times to 1970*, series H 862-864, H 871, H 874, and H 877]

ACTIVITY	Unit	1970	1975	1986	1989	1990	1994	1999	1998	1987
Softball, amateur: ¹										
Total participants ²	Million	16	26	30	30	30	35	41	41	41
Youth participants	1,000	255	450	690	690	700	700	712	717	720
Adult teams ³	1,000	29	66	110	133	148	146	152	172	177
Youth teams ³	1,000	2	9	18	22	27	29	31	35	37
Golfers (1 round or more) ⁴	1,000	11,245	13,036	15,112	16,003	16,514	17,009	17,520	20,000	21,700
Golf rounds played	1,000	286,169	308,562	357,701	378,791	390,886	402,603	414,777	421,000	434,000
Golf facilities	Number	10,186	11,370	12,005	12,140	12,197	12,278	12,346	12,384	12,407
Classification:										
Private	Number	4,619	4,770	4,839	4,798	4,809	4,831	4,831	4,865	4,809
Daily fee	Number	4,248	5,014	5,372	5,494	5,528	5,566	5,573	5,567	5,583
Municipal	Number	1,321	1,586	1,794	1,848	1,860	1,861	1,912	1,912	1,926
Tennis: ⁵										
Players	1,000	10,655	⁶ 29,201	(NA)	⁶ 25,450	(NA)	⁶ 19,450	⁶ 18,951	⁶ 18,017	⁶ 16,911
Courts	1,000	(NA)	130	(NA)	165	200	220	220	220	220
Indoor	1,000	(NA)	8	(NA)	11	13	14	14	14	14
Tenpin bowling:										
Participants, total ⁹	Million	51.8	62.5	72.0	68.9	(NA)	67.0	67.0	67.0	68.0
Male	Million	24.8	29.9	34.0	32.2	(NA)	32.0	32.0	32.0	33.1
Female	Million	27.0	32.6	38.0	36.7	(NA)	35.0	35.0	35.0	34.9
Establishments ¹⁰	Number	9,140	8,577	8,591	8,481	8,404	8,351	8,275	8,149	8,031
Lanes ¹⁰	1,000	141	141	154	154	154	155	155	153	151
Membership, total ¹⁰ ¹¹	1,000	7,733	8,751	9,595	9,550	9,269	8,401	8,084	7,839	7,421
American Bowling Congress	1,000	4,210	4,300	4,685	4,685	4,586	3,791	3,657	3,625	3,424
Women's Bowling Congress	1,000	2,989	3,692	4,118	4,065	3,947	3,866	3,714	3,551	3,351
Young American Bowling Alliance ¹²	1,000	535	759	799	800	785	744	693	663	648
Motion picture theaters ¹³ ¹⁴	1,000	14	15	18	18	19	20	21	23	24
Four-wall	1,000	10	11	14	15	16	17	18	20	21
Drive-in	1,000	4	4	4	3	3	3	3	3	3
Receipts, box office	Mill. dol	1,225	2,115	2,749	3,453	3,786	4,031	3,749	3,778	4,253
Admission, average price	Dollars	1.55	2.05	2.69	2.94	3.15	3.36	3.55	3.71	3.91
Attendance	Million	921	1,033	1,022	1,175	1,197	1,199	1,056	1,017	1,069
Bicycles: ¹⁵										
Domestic shipments	Million	5.0	5.6	6.9	5.2	6.3	5.9	5.6	5.3	5.2
Imports	Million	1.9	1.7	2.0	1.6	2.7	4.2	5.6	7.0	7.4
Boating: ¹⁶										
Recreational boats owned	Million	8.8	9.7	11.8	12.9	13.0	13.5	13.8	14.3	14.8
Outboard boats	Million	5.2	5.7	6.8	7.1	7.2	7.3	7.4	7.6	7.8
Inboard boats	Million .....	.6	.8	1.2	1.3	1.3	1.4	1.4	1.5	1.7
Sailboats	Million .....	.6	.8	1.0	1.1	1.1	1.1	1.2	1.2	1.2
Canoes	Million	2.4	2.4	1.3	1.5	1.6	1.7	1.8	1.9	2.0
Rowboats and other	Million			1.5	1.9	1.8	1.8	1.8	1.9	2.1
Expenditures, total ¹⁷	Bill. dol	3.4	4.8	7.4	8.1	9.4	12.3	13.3	14.5	16.5
Outboard motors in use	1,000	7,215	7,649	8,241	8,776	9,051	9,400	9,733	10,081	10,469
Motors sold	1,000	430	435	315	293	337	411	362	410	444
Value, retail	Mill. dol	261	411	554	759	964	1,294	1,319	1,464	1,726
Outboard boats sold	1,000	276	328	290	236	273	317	305	314	342
Value, retail	Mill. dol	177	263	408	408	502	708	759	835	1,001
Inboard/outdrive boats sold	1,000	43	70	58	55	79	108	115	120	144
Value, retail	Mill. dol	182	420	616	685	975	1,442	1,663	1,861	2,450
All terrain vehicles:										
Vehicles in use or owned ¹⁸	1,000	(NA)	(NA)	(NA)	(NA)	1,100	1,800	2,000	2,300	2,475
Imports ¹⁹	1,000	(NA)	(NA)	(NA)	275	430	685	663	408	317
Snowmobiles: ²⁰										
Factory sales	1,000	172	144	62	29	27	32	30	36	37
Apparent consumption ²¹	1,000	405	145	86	55	53	66	61	65	71

NA Not available. ¹ Source: Amateur Softball Association, Oklahoma City, OK. ² Amateur Softball Association teams and other amateur softball teams. ³ Amateur Softball Association teams only. ⁴ Source: National Golf Foundation, North Palm Beach, FL. ⁵ Source: U.S. Tennis Association, Princeton, NJ. ⁶ Survey by A. C. Nielsen Co. ⁷ 1976 data. ⁸ Based on National Sporting Goods Association Sports Participation Survey. ⁹ For season ending in year shown. Persons 5 years old and over. Source: National Bowling Council, Washington, DC. ¹⁰ Source: American Bowling Congress, Greendale, WI. Season ending in year shown. ¹¹ Membership totals are for U.S., Canada and for U.S. military personnel worldwide. ¹² Prior to 1982, represents American Jr. Bowling Congress and ABC/WBC Collegiate Division. ¹³ Source: Motion Picture Association of America, Inc., New York, NY. ¹⁴ Prior to 1975, figures represent theaters; thereafter, screens. ¹⁵ Source: Bicycle Manufacturers Association of America, Inc., Washington, DC. ¹⁶ Source: National Marine Manufacturers Association, Chicago, IL. ¹⁷ Represents estimated expenditures for new and used boats, motors, accessories, safety equipment, fuel, insurance, docking, maintenance, storage, repairs, and other expenses. ¹⁸ Source: Specialty Vehicle Institute of America, Costa Mesa, CA. ¹⁹ Source: Motorcycle Industry Council, Inc., Costa Mesa, CA. ²⁰ Source: U.S. International Trade Commission. Estimated. ²¹ Factory sales plus imports minus exports.

Source: Compiled from sources listed in footnotes.

NO. 388. PARTICIPATION IN SPORTS ACTIVITIES, BY SELECTED CHARACTERISTICS: 1987

[For persons 7 years of age or older. Except as indicated, a participant plays a sport more than once in the year. Based on a sampling of 10,000 households]

ACTIVITY	ALL PERSONS		SEX		AGE						HOUSEHOLD INCOME (dol.)				
	Number	Rank	Male	Female	7-11 yrs.	12-17 yrs.	18-24 yrs.	25-34 yrs.	35-54 yrs.	55 yrs. and over	Under 15,000	15,000-24,999	25,000-34,999	35,000-49,999	Over 50,000
Total (1,000).....	216,963	(X)	104,968	111,976	16,707	20,637	27,312	43,092	57,537	51,678	53,807	42,362	40,453	40,551	39,788
Percent participated in:															
Aerobic exercising ¹	10.7	10	3.2	17.7	5.2	12.3	18.6	16.3	10.0	3.6	7.2	10.4	11.1	12.7	13.1
Backpacking/wilderness camping.....	4.1	23	5.1	3.2	3.0	8.4	7.0	5.8	3.4	.6	3.3	3.9	4.3	4.3	5.1
Baseball.....	7.0	17	11.5	2.8	20.7	23.2	9.4	5.7	3.1	.3	4.6	8.7	8.5	8.4	7.8
Baseketball.....	11.6	7	17.1	6.3	21.9	40.2	18.7	12.0	4.5	.4	7.6	10.6	13.0	14.8	13.1
Bicycle riding ¹	24.5	3	24.7	24.4	55.5	48.4	26.5	25.4	18.9	9.5	16.5	23.2	27.0	29.4	29.5
Calisthenics ¹	7.9	15	7.4	6.3	10.9	17.3	11.3	9.0	5.2	3.4	5.2	8.3	8.6	8.5	9.7
Camping (vacation/overnight).....	20.4	4	22.3	18.5	29.6	28.9	22.8	26.9	19.0	8.7	14.8	21.0	27.4	20.7	19.8
Dart throwing.....	8.0	19	7.9	4.3	5.4	9.1	11.7	10.2	4.0	.8	4.7	7.2	7.2	6.3	5.2
Exercise walking ¹	26.8	2	19.6	33.5	12.0	14.1	22.2	28.3	32.9	30.8	25.0	25.3	26.8	27.9	29.5
Exercising with equipment ¹	16.0	6	17.7	14.5	3.9	21.5	27.5	23.2	14.5	7.4	10.4	15.5	17.5	18.4	20.3
Fishing—fresh water.....	18.5	5	25.1	12.4	23.0	22.3	21.5	22.3	18.3	10.9	15.8	18.3	22.3	21.1	16.3
Fishing—salt water.....	5.8	20	8.2	3.5	3.4	6.0	8.8	6.7	7.1	4.1	4.1	4.3	6.5	6.3	8.4
Football.....	6.9	18	12.3	1.9	13.2	26.2	14.3	8.4	1.3	-	4.7	6.7	8.2	8.8	6.9
Golf.....	9.3	13	14.5	4.5	2.8	8.4	13.5	12.2	9.6	7.0	4.3	7.5	9.3	11.2	16.2
Hiking.....	8.0	14	8.6	7.5	8.2	9.3	10.7	10.6	8.1	3.9	5.5	8.3	9.0	8.7	9.5
Hunting/shooting with firearms.....	9.5	12	18.7	2.8	3.8	10.2	14.3	15.1	9.6	3.7	7.8	10.1	12.2	10.4	7.7
Racquetball.....	3.6	24	5.3	2.0	.8	6.0	9.7	6.3	1.8	.3	1.9	2.9	4.6	4.1	5.2
Running/jogging ¹	11.4	8	13.6	9.5	13.5	26.5	20.4	15.3	7.2	1.6	8.0	11.0	12.7	11.8	15.0
Skiing—alpine/downhill.....	4.7	21	5.8	3.7	1.8	9.8	10.6	7.4	2.9	.4	1.5	3.1	5.2	6.2	8.8
Skiing—cross country.....	2.3	25	2.4	2.2	1.3	3.4	2.4	3.5	2.9	.5	1.1	1.8	3.1	2.4	3.7
Soccer.....	4.5	22	5.9	3.3	21.4	19.9	3.4	1.6	.9	-	2.0	4.5	4.2	6.2	6.7
Softball.....	9.9	11	12.3	7.7	18.4	22.5	18.6	13.9	5.9	.4	5.9	10.1	11.2	12.9	10.8
Swimming ¹	30.5	1	29.7	31.1	52.4	53.3	36.9	33.1	26.4	12.1	20.2	26.1	32.5	37.3	37.8
Tennis.....	7.8	16	8.9	8.8	8.1	16.7	14.4	9.8	6.2	1.4	3.8	8.8	7.7	10.5	11.6
Volleyball.....	10.9	9	11.2	10.8	11.8	31.8	17.1	14.7	8.4	.8	8.8	10.5	12.7	14.4	11.4

- Represents or rounds to zero. X Not applicable. ¹ Participant engaged in activity at least six times in the year.

Sources: National Sporting Goods Association, Mt. Prospect, IL; Sports Participation in 1987: Series I. (Copyright.)

No. 300. ADULT PARTICIPATION IN RECREATION AND EXERCISE ACTIVITIES, BY SELECTED TYPE AND SEX: 1987

[As of fall 1987. Based on national sample survey of 3,118 persons 18 years old and over. Refers to persons who participated in each activity at least once in the previous 12 months]

ACTIVITY	Total (mil.)	Per-cent	ACTIVITY	Male (mil.)	Per-cent	ACTIVITY	Female (mil.)	Per-cent
Swimming	72	41	Swimming	36	40	Swimming	37	40
Bicycling	54	31	Fishing	35	32	Bicycling	29	32
Fishing	69	30	Bicycling	24	24	Aerobics, dance/aerobics	22	24
Bowling	40	23	Pool, billiards	23	23	Bowling	21	23
Hiking	39	22	Basketball	22	26	Hiking	19	21
Camping	37	21	Weight training (net) ¹	22	26	Fishing	18	20
Weight training (net) ¹	35	20	Softball	21	26	Camping	17	19
Pool, billiards	38	19	Camping	20	24	Calisthenics	16	17
Softball	39	19	Hiking	20	24	Jogging, running	14	16
Jogging, running	30	17	Bowling	19	23	Volleyball	14	16
						Weight training (net) ¹	14	16

¹ Any form of weight training including such things as weight lifting and body building.

Source: The Gallup Organization, Princeton, NJ, release, February 7, 1988.

No. 300. HOUSEHOLD PARTICIPATION IN LAWN AND GARDEN ACTIVITIES—SUMMARY: 1983 TO 1987

[Based on national sample survey conducted by the Gallup Organization. For the 1987 survey, a total of 2,802 households were personally interviewed at home. Subject to sampling variability; see source]

ACTIVITY	1983	1984	1985	1986	1987	CHARACTERISTIC OF RESPONDENT	1987, PERCENT DISTRIBUTION	
							House-holds	Sales
Number of households (mil.)	64.5	65.4	67.2	68.5	69.5	Total	100.0	100.0
Percent of households engaged in—						18–29 years old	24	21
Lawn care	65	65	64	66	66	30–49 years old	40	49
Indoor houseplants	43	46	42	41	41	50 years old and over	36	30
Flower gardening	47	47	41	44	43	Northeast	22	25
Vegetable gardening	42	40	37	38	33	Midwest	27	23
Shrub care	35	35	30	31	33	South	30	29
Insect control	32	30	27	33	30	West	21	23
Landscaping	23	25	23	22	24	City	23	16
Tree care	25	26	20	24	25	Suburb	35	42
Flower bulbs	25	27	19	24	27	Small town	11	10
Fruit trees	20	18	17	17	18	Rural	30	32
Raising transplants ¹	15	17	11	13	15			
Growing berries	12	11	7	8	8			
Ornamental gardening	7	9	7	6	8			
Herb gardening	(NA)	(NA)	(NA)	6	7			
Container gardening	(NA)	(NA)	(NA)	12	12			
Total retail sales (mil. dol.)	11,835	14,343	12,888	14,309	17,491			

NA Not available. ¹ Starting plants in advance of planting in ground.

Source: The National Gardening Association, Burlington, VT, *National Gardening Survey*, annual. (Copyright.)

No. 301. SPORT FISHING AND HUNTING LICENSES—NUMBER AND COST: 1970 TO 1986

[For fiscal years ending in year shown; see text, section 8. See also *Historical Statistics, Colonial Times to 1970*, series H 675–676]

ITEM	Unit	1970	1975	1976	1979	1980	1981	1982	1983	1984	1985	1986
Fishing licenses: Sales	Million	31.1	34.7	32.6	34.4	36.3	37.9	37.3	37.8	36.1	36.7	36.9
Resident	Million	26.8	30.0	27.8	30.3	30.1	32.6	32.1	32.5	31.0	30.5	30.4
Nonresident	Million	4.3	4.7	4.8	5.1	5.1	5.3	5.1	5.3	5.1	5.2	5.4
Paid license holders ¹	Million	34.4	37.5	35.2	37.9	38.0	39.3	39.6	39.1	39.0	39.7	39.4
Cost to anglers	Mil. dol.	51	142	155	174	198	213	227	244	260	282	302
Hunting licenses: Sales	Million	22.2	25.9	24.8	26.4	27.9	27.9	28.3	28.6	26.6	27.7	27.8
Resident	Million	21.0	24.7	24.4	25.0	25.8	26.4	26.7	27.2	25.8	26.1	25.3
Nonresident	Million	1.2	1.3	1.4	1.4	1.4	1.5	1.6	1.7	1.7	1.6	1.7
Paid license holders ¹	Million	15.4	16.8	16.3	16.6	16.3	16.6	16.7	16.4	16.0	15.9	15.8
Cost to hunters	Mil. dol.	102	155	165	199	222	242	258	277	282	301	323
Federal duck stamps sold	1,000	2,572	2,222	2,309	2,216	2,088	2,345	1,937	1,936	1,988	1,914	1,779

¹ Resident and nonresident. Includes multiple counting of license holders who bought nonresident licenses as well as a home State license. "Licensees" includes licenses, tags, permits and stamps.

Source: U.S. Fish and Wildlife Service, *Federal Aid in Fish and Wildlife Restoration*, annual.

No. 392. SPORTSMEN—SELECTED CHARACTERISTICS: 1980 AND 1985

[Covers persons 16 years old and over. Sportsmen are anyone who fished or hunted. Based on the National Surveys of Fishing, Hunting, and Wildlife-Associated Recreation conducted by the Bureau of the Census. For composition of divisions, see fig. 1, inside front cover]

CHARACTERISTIC	NUMBER (1,000)		PERCENT OF POPULATION WHO PARTICIPATED		CHARACTERISTIC	NUMBER (1,000)		PERCENT OF POPULATION WHO PARTICIPATED	
	1980	1985	1980	1985		1980	1985	1980	1985
Total persons.....	45,713	50,285	27	26	New England.....	1,900	2,057	20	21
16-17 years old.....	2,761	2,546	32	35	Middle Atlantic.....	5,044	5,506	18	19
18-24 years old.....	6,627	7,474	30	29	East North Central.....	8,713	8,925	26	26
25-34 years old.....	13,022	13,552	35	34	West North Central.....	4,718	5,091	37	39
35-44 years old.....	8,412	11,105	32	33	South Atlantic.....	7,932	8,851	29	28
45-54 years old.....	5,981	6,407	27	27	East South Central.....	3,651	3,728	34	33
55-64 years old.....	4,683	5,272	22	23	West South Central.....	5,800	6,585	33	34
65 years old and over.....	3,226	3,930	13	14	Mountain.....	2,908	3,149	33	33
Male.....	33,243	34,826	41	41	Pacific.....	5,177	6,359	25	24
Female.....	13,469	15,461	15	16	Household income:				
White.....	43,181	46,582	29	30	Under \$10,000.....	7,080	6,161	20	19
Black.....	2,709	2,521	18	14	\$10,000-\$19,999.....	12,249	10,815	30	27
Other races.....	843	1,185	18	18	\$20,000-\$24,999.....	7,754	4,974	35	30
					\$25,000-\$29,999.....	5,848	7,886	38	31
					\$30,000-\$49,999.....	6,574	13,320	34	33
					\$50,000 and over.....	1,981	6,301	30	30
					Not reported.....	5,536	1,632		20

Source: 1980, U.S. Fish and Wildlife Service and U.S. Bureau of the Census, 1980 National Survey of Fishing, Hunting, and Wildlife-Associated; and 1985, U.S. Fish and Wildlife Service, 1985 National Survey of Fishing, Hunting, and Wildlife-Associated Recreation.

No. 393. FISHERMEN AND HUNTERS—SUMMARY: 1985

[See headnote, table 392]

TYPE OF FISHING	FISHERMEN		Days of fish- ing ¹	Expendi- tures (mil. dol.)	TYPE OF HUNTING	HUNTERS		Days of hunt- ing (mil.)	Expendi- tures (mil. dol.)
	Num- ber (1,000)	Per- cent of popu- lation				Num- ber (1,000)	Per- cent of popu- lation		
Total, all fishing.....	45,367	26	677	\$ 29,148	Total, all hunting.....	17,631	9	334	\$ 19,989
All freshwater fishing.....	39,823	22	682	\$ 19,383	Big game.....	12,520	7	131	5,967
Freshwater, except.....					Small game.....	10,831	6	122	1,815
Great Lakes.....	36,433	21	766	17,795	Migratory bird.....	5,086	3	42	1,080
Great Lakes.....	3,786	2	46	1,580	Other animals.....	2,937	2	47	358
Saltwater.....	13,709	8	111	7,243					

¹ Type of fishing/hunting will not add to the total since each respondent may have reported under more than one category.

² Totals include expenditures not specified by type.

Source: U.S. Fish and Wildlife Service, 1985 National Survey of Fishing, Hunting, and Wildlife-Associated Recreation.

No. 394. WILDLIFE-ASSOCIATED RECREATION EXPENDITURES, BY TYPE OF ACTIVITY AND EXPENDITURE: 1985

[See headnote, table 392]

TYPE OF EXPENDITURE	EXPENDITURES (mil. dol.)				EXPENDITURE PER PARTICIPANT (dol.)			
	Total	Fishing	Hunt- ing	Non- con- sump- tive ¹	Total	Fishing	Hunt- ing	Non- con- sump- tive ¹
Total.....	\$ 35,989	29,148	19,839	14,367	\$ 267	667	603	189
Food and lodging.....	10,893	5,896	1,894	2,513	72	122	113	19
Transportation.....	7,030	3,730	1,813	1,885	50	60	67	13
Other trip costs.....	4,333	3,896	218	229	31	84	13	2
Licenses, stamps, tags, permits.....	(NA)	379	435	(NA)	(NA)	8	26	(NA)
Equipment.....	9,152	2,787	2,780	3,615	65	60	185	27
Auxiliary equipment.....	\$ 1,933	492	686	807	\$ 13	10	41	4
Special equipment.....	\$ 19,894	10,567	1,485	5,234	\$ 142	221	60	39

NA: Not available. ¹ Observing, photographing, and feeding wildlife. ² Includes expenditures for magazines, membership dues and contributions, and land leasing and ownership not shown separately. ³ Includes expenditures not specified by type of activity.

Source: U.S. Fish and Wildlife Service, 1985 National Survey of Fishing, Hunting, and Wildlife-Associated Recreation.

No. 395. BOY SCOUTS AND GIRL SCOUTS—MEMBERSHIP AND UNITS: 1960 TO 1967

(In thousands. Boy Scouts as of Dec. 31; Girl Scouts as of Sept. 30. Current age requirements for each category are in parentheses. Includes Puerto Rico and outlying areas)

ITEM	1960	1965	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
BOY SCOUTS OF AMERICA												
Membership.....	5,165	5,735	5,887	5,319	4,318	4,355	4,542	4,699	4,765	4,845	5,171	5,347
Boys.....	3,783	4,231	4,683	3,933	3,207	3,244	3,425	3,567	3,657	3,755	4,037	4,179
Tiger cubs (6 yr. old).....	(X)	(X)	(X)	(X)	(X)	(X)	84	124	145	145	260	291
Cub Scouts (7-10 yr. old).....	1,865	2,054	2,438	1,987	1,606	1,643	1,509	1,569	1,493	1,499	1,714	1,619
Boy Scouts (11-17 yr. old).....	1,647	1,650	1,919	1,503	1,064	1,101	1,126	1,116	1,075	1,063	1,042	1,032
Explorers (14-20 yr. old) ¹	271	317	329	434	447	459	606	759	941	1,024	1,021	1,037
Adults.....	1,362	1,502	1,604	1,385	1,110	1,111	1,117	1,122	1,096	1,090	1,134	1,166
Total units (packs, troops, posts).....	130	145	157	150	129	130	132	134	135	134	132	131
GIRL SCOUTS OF THE U.S.A.												
Membership.....	3,418	3,647	3,822	3,334	2,784	2,829	2,819	2,898	2,871	2,803	2,917	2,847
Girls ²	2,645	3,030	3,248	2,723	2,290	2,275	2,247	2,261	2,247	2,172	2,248	2,274
Daisies (5 yr. old).....	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	61	114	137
Brownies (6-8 yr. old).....	(X)	1,072	1,259	1,180	1,115	1,110	1,120	1,163	1,172	1,128	1,166	1,167
Juniors (9-11 yr. old).....	(X)	1,416	1,509	1,185	894	916	874	847	801	735	725	705
Cadettes (12-14 yr. old).....	(X)	443	395	301	172	170	169	175	170	151	143	132
Seniors (14-17 yr. old).....	(X)	99	85	74	46	45	41	40	40	40	41	38
Adults.....	773	617	574	511	534	553	572	607	624	630	669	673
Total units (troops).....	164	153	164	159	154	157	160	165	165	166	174	177

X Not applicable. ¹ Both girls and boys are members. ² Beginning 1980, includes girls registered in other categories, not shown separately. ³ Comparable data not available.

Source: Boy Scouts of America, National Council, Irving, TX, *Annual Report*; and Girl Scouts of the United States of America, New York, NY, *Annual Report*.

No. 396. PARTICIPATION RATES FOR VARIOUS ARTS PERFORMANCES AND LEISURE ACTIVITIES BY SELECTED CHARACTERISTICS: 1985

(Represents percent of population 18 years old and over who participated at least once in the 12 months prior to the survey. Based on a survey conducted by the Bureau of the Census for the National Endowment for the Arts)

CHARACTERISTIC	ATTENDED AT LEAST ONCE						Visited at least once—art museum or gallery	Read—novel, short stories, poetry, or plays
	Jazz performance	Classical music performance	Opera performance	Musical plays	Plays	Ballet performance		
Average.....	16	13	3	17	12	4	22	86
18-24 years old.....	14	11	2	15	11	4	22	57
25-34 years old.....	16	12	2	16	12	5	26	59
35-44 years old.....	10	16	4	21	14	6	27	62
45-54 years old.....	6	15	4	20	13	3	22	57
55-64 years old.....	5	11	3	18	10	4	19	50
65-74 years old.....	3	13	3	13	10	4	16	50
75 years old and over.....	1	10	1	8	7	2	10	48
Male.....	10	11	2	15	11	3	21	48
Female.....	9	14	3	19	12	5	23	63
White.....	9	14	3	18	12	5	23	56
Black.....	13	8	1	9	6	2	11	44
Other races.....	8	15	4	13	6	5	24	50
Northeast.....	8	13	4	20	14	5	21	57
Midwest.....	10	18	1	17	11	4	21	55
South.....	9	10	2	13	10	4	19	51
West.....	12	15	4	19	13	5	30	60
Household income, 1982:								
Under \$5,000.....	8	9	2	10	6	3	16	44
\$5,000-\$9,999.....	7	7	1	8	4	2	12	43
\$10,000-\$14,999.....	6	8	1	11	6	3	15	50
\$15,000-\$24,999.....	8	11	2	12	9	4	19	53
\$25,000-\$49,999.....	11	15	3	22	14	5	29	63
\$50,000 and over.....	19	30	6	37	26	11	45	77
Not ascertained.....	9	12	2	17	11	3	19	56
Education:								
Grade school.....	1	3	1	3	1	1	4	23
Some high school.....	3	3	1	6	4	1	7	37
High school graduate.....	7	7	1	12	6	2	14	52
Some college.....	13	15	3	21	15	6	30	72
College graduate.....	16	29	6	34	26	9	45	79
Graduate school.....	24	41	11	40	36	15	56	80

Source: U.S. National Endowment for the Arts, 1985 *Survey of Public Participation in the Arts*.

No. 397. PERFORMING ARTS—SELECTED DATA: 1970 TO 1987

[Receipts and expenditures in millions of dollars. For season ending in year shown, except as indicated]

ITEM	1970	1979	1979	1980	1981	1980	1980	1984	1986	1986	1987
Legitimate theater: ¹											
Broadway shows:											
New productions.....	62	59	47	67	67	53	50	28	31	33	40
Playing weeks ^{2 3}	1,047	1,101	1,472	1,541	1,545	1,461	1,269	1,119	1,062	1,049	1,031
Number of tickets sold (1,000).....	(NA)	(NA)	9,115	9,380	10,822	10,694	6,102	7,895	7,186	6,527	6,566
Gross box office receipts.....	53.3	57.4	128.1	143.4	194.5	221.2	263.1	226.5	208.0	190.6	207.2
Road shows:											
Playing weeks ³	1,024	799	1,192	1,351	1,343	1,317	690	1,057	993	993	901
Gross box office receipts.....	48.0	50.9	148.9	161.2	216.9	249.5	164.3	206.2	225.9	235.6	224.2
Opera companies ⁴	648	887	688	988	1,019	688	1,031	1,051	1,126	1,176	1,224
Major ⁵	35	54	95	109	127	133	144	154	166	170	174
Expenditures.....	36.5	(NA)	111.5	133.6	161.6	191.1	212.4	236.7	256.5	270.3	321.1
Other companies.....	266	336	456	456	456	416	456	491	576	602	656
Workshops ⁶	347	418	415	419	436	444	399	409	379	404	392
Opera performances.....	4,779	6,428	8,554	9,391	9,663	9,510	10,693	10,421	10,642	11,060	11,794
Operas performed.....	341	367	436	497	559	571	590	576	576	690	622
Musical performances ⁷	(NA)	(NA)	1,430	1,397	2,251	2,233	2,749	2,757	4,963	6,993	7,759
Musicals performed ⁷	(NA)	(NA)	72	104	118	122	120	129	242	301	276
World premieres.....	17	16	64	79	86	94	96	101	121	116	129
Attendance (mil.).....	4.6	8.0	9.9	10.7	11.1	10.1	12.7	13.0	14.1	14.4	16.4
Symphony orchestras ⁸	1,441	1,463	1,549	1,572	1,572	1,572	1,572	1,572	1,572	1,572	1,572
College.....	266	300	379	365	365	365	365	360	371	371	365
Community ⁹	1,019	1,003	909	926	926	919	920	937	946	927	936
Urban.....	24	41	79	85	85	94	101	89	89	93	92
Metropolitan.....	72	90	113	115	115	110	95	95	86	107	102
Regional.....	(¹⁰)	(¹⁰)	29	29	30	34	37	40	40	43	45
Major.....	26	26	31	32	31	30	30	30	30	31	32
Concerts.....	6,599	14,171	22,096	22,229	19,327	19,264	19,167	19,096	19,999	20,272	20,059
Attendance (mil.).....	12.7	18.3	22.4	22.6	22.6	22.0	22.0	23.2	23.7	25.4	25.1
Gross income.....	73.3	124.5	216.6	246.3	266.9	325.5	348.9	379.0	435.4	480.5	523.6
Earned income.....	43.1	70.9	122.6	141.2	163.3	187.8	201.8	220.2	250.7	282.4	305.9
Contributed income.....	30.2	53.6	94.2	105.1	125.6	137.9	147.1	158.8	154.7	168.1	217.7
Gross expenses.....	76.4	129.5	221.0	252.1	266.9	315.3	352.2	399.8	441.6	491.2	525.4

NA Not available. ¹ Source: Variety, New York, NY, various June issues (copyright). ² All shows (new productions and holdovers from previous seasons). ³ Eight performances constitute one playing week. ⁴ Source: Central Opera Service, New York, NY, Central Opera Service Bulletin, periodic. ⁵ Companies with budgets of over \$100,000 and issue American Guild of Musical Artists (AGMA) contracts to soloists. ⁶ Workshops are primarily college and university opera groups. ⁷ Covers not-for-profit companies only. ⁸ Source: American Symphony Orchestra League, Inc., Washington, DC. For years ending Aug. 31. Orchestras other than college groups are principally defined by their annual budgets: As of 1987, community, under \$135,000; urban, \$135,000–\$260,000; metropolitan, \$260,000–\$1,000,000; regional, \$1,000,000–\$3,600,000; and major, over \$3,600,000. Prior to 1987, other budget classifications were in effect. ⁹ Beginning 1979, includes youth and chamber groups with budgets under \$70,000. ¹⁰ Classification began in 1976.

Source: Compiled from sources listed in footnotes.

No. 398. FINANCIAL SUPPORT OF THE ARTS BY PRIVATE CORPORATE BUSINESS—SUMMARY:
1983 TO 1985

[In millions of dollars]

TYPE OF ART CATEGORY	1983	1984	1989	TYPE OF ART CATEGORY	1986	1984	1986
Direct cash support.....	451.6	462.4	569.0	Historic and cultural preservation projects.....	8.4	9.7	11.3
Museums.....	99.6	104.5	133.2	Libraries.....	4.2	4.8	6.6
Symphony orchestra.....	61.0	66.8	79.8	Commercial TV and radio, cultural programming.....	8.0	8.5	5.6
Performing arts and cultural facilities.....	62.0	52.0	59.4	Public TV and radio, general support	7.4	18.5	4.5
Theaters.....	23.0	67.2	49.5	Crafts.....	.3	2.3	1.8
Art funds—general support.....	9.2	26.5	37.9	Artist-in-residence programs.....	.6	1.1	1.0
Other music.....	20.7	25.3	30.2	Poetry and writing.....	.4	1.4	1.0
Dance.....	16.2	20.7	25.4	Video projects (non-commercial).....	.4	.2	.2
Public TV and radio, program underwriting.....	14.8	17.9	23.8	Folk art.....	.2	-	-
Opera.....	48.0	24.8	22.7	Other (excluding commercial activities).....	23.7	12.7	38.0
Films (non-commercial).....	9.7	15.7	13.2				
Arts-in-education programs.....	13.6	3.8	11.8				

- Represents or rounds to zero.

Source: Business Committee for the Arts, New York, NY, press release.

NO. 398. ARTS AND HUMANITIES—SELECTED FEDERAL AID PROGRAMS: 1970 TO 1987

(In millions of dollars, except as indicated. For fiscal years ending in year shown, see text, section B)

TYPE OF FUND AND PROGRAM	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
National Endowment for the Arts:										
Funds available ¹	15.7	88.9	188.1	151.9	133.4	147.5	188.9	171.7	167.1	170.9
Program appropriation	6.3	87.3	97.0	114.0	103.3	101.7	118.0	118.7	115.7	120.8
Matching funds ²	2.0	7.5	42.9	34.9	14.2	24.9	27.4	29.5	30.0	29.3
Grants awarded (number)	558	3,071	5,505	6,475	5,080	5,174	5,066	4,801	4,484	4,542
Funds obligated	12.8	81.7	186.4	150.7	117.7	127.0	147.4	149.4	148.6	151.4
Music	2.5	14.9	18.6	18.2	14.1	12.9	15.2	15.3	14.8	15.1
State arts agencies	1.9	14.7	22.1	23.7	21.3	21.1	24.6	24.4	23.8	24.6
Museums	NA	10.8	11.2	13.2	11.5	10.0	12.5	11.9	11.5	11.5
Theater	2.8	6.4	6.4	10.6	9.8	9.5	10.7	10.6	10.2	10.8
Dance	1.7	6.1	6.0	9.1	6.6	6.1	9.1	9.0	9.0	9.1
Public media	.2	5.4	6.4	12.8	10.1	9.3	9.5	9.9	12.3	12.9
Challenge ³	(0)	(0)	50.8	18.0	14.4	14.0	18.8	20.7	20.7	20.8
Visual arts	1.0	3.2	7.3	7.5	8.5	5.8	6.6	6.2	5.7	6.2
Other	2.8	20.1	38.6	42.4	35.6	35.1	40.6	41.3	39.8	40.4
National Endowment for the Humanities:										
Funds available ¹	13.0	86.0	186.2	144.4	*120.9	*123.5	127.3	125.6	121.1	128.4
Program appropriation	6.1	87.3	100.3	108.6	90.4	90.4	97.8	95.2	*91.9	*95.8
Matching funds ²	2.0	6.6	38.4	33.5	28.6	27.9	29.5	30.4	27.3	28.5
Grants awarded (number)	542	1,330	2,917	2,780	2,143	1,828	2,523	2,241	2,297	2,888
Funds obligated	10.5	73.1	185.5	144.4	115.8	123.3	127.6	125.7	121.1	128.4
Education programs	4.2	17.1	18.3	17.3	13.0	14.7	19.3	17.9	14.8	16.4
State programs	(0)	(0)	28.0	28.0	22.8	24.0	26.0	24.4	24.1	25.0
Research grants	2.0	13.4	32.0	25.5	25.7	23.1	24.1	24.4	21.0	21.7
Fellowship program	1.7	10.9	18.0	17.5	16.5	14.1	15.0	15.3	14.4	15.3
Challenge ³	(0)	(0)	59.5	24.0	20.7	21.8	18.3	19.6	18.2	18.5
General programs	(0)	(0)	(0)	(0)	16.2	24.9	24.3	24.1	24.7	25.4
Preservation ⁴	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	4.1	4.1
National Capital Arts and Cultural Affairs Program	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	1.8	4.0
Other	2.6	31.6	37.7	34.0	.9	.7	.7	(0)	(0)	(0)

NA. Not available. X. Not applicable. ¹ Includes other funds, not shown separately. Excludes administrative funds. Gifts are included through 1980; excluded thereafter. ² Represents Federal funds appropriated only upon receipt or certification by Endowment of matching non-Federal gifts. ³ Program designed to stimulate new sources and higher levels of giving to institutions for the purpose of guaranteeing long-term stability and financial independence. Program requires a match of at least 3 private dollars to each Federal dollar. Funds for challenge grants are not allocated by program area because they are awarded on a grant-by-grant basis. ⁴ Excludes \$5.2 million reapportioned to challenge grants in 1983. ⁵ Includes reapportioned funds from 1982. ⁶ Excludes National Capital Arts and Cultural Affairs Program. ⁷ Program designed to support projects which preserve and guarantee access to print and non-print media in danger of disintegration or deterioration.

Source: U.S. National Endowment for the Arts, *Annual Report*; and U.S. National Endowment for the Humanities, *Annual Report*.

NO. 400. STATE LEGISLATIVE APPROPRIATIONS FOR STATE ARTS AGENCIES: 1985 TO 1988

(In thousands of dollars, except as indicated. For fiscal years ending in year shown. Fiscal years for most States ended June 30; see text, section B)

STATE	1985	1986	1987	1988		STATE	1985	1986	1987	1988	
				Total	Per cap. ita. ¹ (dol.)					Total	Per cap. ita. ¹ (dol.)
Total	181,413	195,822	216,082	344,432	1.08	NV	124	174	179	270	.27
AL	1,000	1,045	989	1,319	.32	NH	128	323	337	451	.43
AK	5,296	4,001	2,180	1,275	2.43	NJ	5,217	10,391	13,453	20,101	2.82
AZ	617	1,010	1,140	1,323	.39	NM	700	714	696	706	.47
AR	796	636	1,008	1,016	.43	NY	39,088	44,219	48,591	54,014	3.03
CA	10,422	11,793	12,589	13,637	.48	NC	2,921	3,896	3,972	4,485	.70
CO	829	971	1,629	1,041	.32	ND	175	238	236	222	.25
CT	1,122	1,479	1,865	2,000	.82	OH	5,785	7,483	9,088	9,581	.88
DE	450	496	504	686	1.07	OK	1,586	1,821	1,535	1,679	.51
DC	1,278	1,765	2,368	3,544	5.70	OR	456	487	618	1,287	.48
FL	9,046	9,761	12,710	17,340	1.44	PA	5,585	6,724	7,780	9,780	.82
GA	1,720	2,201	2,866	3,001	.48	RI	419	444	600	1,070	1.08
HI	1,592	2,170	2,282	3,902	3.80	SC	1,858	2,566	2,772	2,801	.82
ID	125	131	134	198	.20	SD	251	284	287	330	.47
IL	5,848	6,558	8,756	7,581	.86	TN	719	*3,616	1,363	1,523	.31
IN	1,450	1,831	1,857	1,989	.38	TX	4,240	4,846	2,984	3,383	.20
IA	482	523	732	*729	.26	UT	1,400	1,568	1,826	1,518	.50
KS	488	598	581	583	.24	VT	228	243	285	350	.64
KY	1,536	1,564	1,983	2,032	.55	VA	1,748	1,948	2,980	2,980	.50
LA	1,133	1,206	980	978	.22	WA	1,747	1,879	1,708	1,704	.28
ME	325	420	483	499	.42	WV	1,848	2,117	2,130	1,811	.85
MD	1,786	1,909	4,778	5,157	1.14	WI	908	1,152	1,149	1,151	.24
MA	13,803	16,379	16,268	21,146	3.91	WY	145	145	172	203	.41
MI	8,817	10,292	11,428	12,585	1.37	Am. Samoa	48	45	47	47	1.24
MN	2,265	2,503	2,768	3,030	.71	GU	215	305	323	280	2.15
MS	436	486	412	421	.16	No. Mariana	25	25	40	60	3.00
MO	3,067	5,904	4,194	4,442	.87	PR	5,863	7,781	10,535	9,744	2.96
MT	703	649	844	730	.90	VI	144	104	104	107	1.01
NE	636	583	583	608	.38						

¹ Based on estimated resident population as of July 1, 1987.² Includes \$250,000 one-time appropriation.³ Includes \$2.5 million one-time gift.

Source: National Assembly of State Arts Agencies, Washington, DC, unpublished data.

No. 401. INTERNATIONAL TRAVELERS AND EXPENDITURES—SUMMARY: 1970 TO 1987

For coverage, see tables 403 and 404. Minus sign (—) indicates deficit. See also *Historical Statistics, Colonial Times to 1970*, series H 921, 922, 941, and 942.

YEAR	TRAVEL AND PASSENGER FARE				U.S. net travel and passenger payments (mil. dol.)	U.S. travelers abroad (1,000)	Foreign visitors to the U.S. (1,000)
	Payments by U.S. travelers		Receipts from foreign visitors				
	Total ¹ (mil. dol.)	Expenditures abroad (mil. dol.)	Total ¹ (mil. dol.)	Travel receipts (mil. dol.)			
1970	5,195	3,980	2,708	2,331	-2,487	5,280	2,289
1971	5,099	4,373	2,999	2,894	-2,704	5,887	2,480
1972	6,038	5,043	3,311	2,817	-3,327	6,780	2,881
1973	7,316	5,536	4,130	3,412	-3,136	8,933	3,884
1974	8,076	3,980	4,848	4,032	-3,230	8,407	3,703
1975	8,638	4,417	5,484	4,897	-3,216	8,864	3,874
1976	9,424	5,893	6,679	5,742	-2,745	9,887	4,498
1977	10,189	7,461	7,175	6,180	-3,084	7,990	4,909
1978	11,371	8,475	8,421	7,183	-2,958	7,730	5,784
1979	12,597	8,413	10,118	8,441	-2,478	7,885	7,230
1980	14,004	10,397	12,830	10,808	-1,354	8,189	8,200
1981	15,588	11,478	15,488	12,813	-478	8,940	9,088
1982	17,186	12,394	16,085	12,389	-2,881	9,510	9,781
1983	18,152	13,148	14,044	10,847	-5,109	8,883	7,873
1984	22,099	15,080	14,009	10,873	-8,090	11,262	7,527
1985	23,925	18,040	14,301	11,197	-8,894	12,308	7,538
1986	24,724	17,380	16,838	12,482	-8,838	11,708	8,880
1987, prel.	29,281	20,495	18,415	14,778	-5,586	12,348	10,434

¹ Includes passenger fares not shown separately.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, May 1988, and earlier issues.

No. 402. PASSPORTS, BY SEX AND AGE OF TRAVELER: 1970 TO 1986

(In thousands. Total passports are actual count; all other data based on a sample and prorated to total passports. Data refer to number of passports issued, not travelers. Excludes passport renewals. A single passport may cover more than one trip and more than one person. See also *Historical Statistics, Colonial Times to 1970*, series H 940-942.)

SEX AND AGE	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1985	1984	1985	1986, prel.
Total passports	2,218	2,415	2,334	2,517	3,107	3,234	3,170	3,030	3,223	3,784	4,122	4,718	5,018	4,183
Male	1,134	1,155	1,129	1,364	1,486	1,555	1,543	1,407	1,552	1,840	1,984	1,980	(NA)	(NA)
Female	1,086	1,260	1,206	1,483	1,611	1,679	1,627	1,523	1,670	1,915	2,158	2,738	(NA)	(NA)
Under 20 years	352	445	405	480	511	541	557	516	524	621	663	706	(NA)	(NA)
20-29 years	507	481	458	530	586	580	581	541	557	634	637	746	(NA)	(NA)
30-39 years	293	348	345	432	498	535	547	533	584	686	808	634	(NA)	(NA)
40-49 years	356	371	347	429	452	472	465	437	470	544	613	742	(NA)	(NA)
50-59 years	341	383	384	484	527	545	508	474	483	552	638	701	(NA)	(NA)
60 years and over	380	374	366	486	552	581	504	519	584	748	873	987	(NA)	(NA)

NA Not available.

Source: U.S. Dept. of State, Bureau of Consular Affairs, *Summary of Passport Statistics*, annual.

No. 403. FOREIGN TRAVEL TO THE U.S.—TRAVELERS AND RECEIPTS: 1970 TO 1987

(Travelers in thousands; receipts in millions of dollars. Includes travelers for business and pleasure, foreigners in transit through the United States, and students; excludes travel by foreign government personnel and foreign businessmen employed in the United States. Travelers from overseas excludes Canada and Mexico. See also *Historical Statistics, Colonial Times to 1970*, series H 946-951.)

AREA OF ORIGIN	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987, prel.
Travelers from overseas	2,388	3,674	4,380	4,899	5,761	7,873	7,827	7,838	8,890	10,434
Western Europe	884	1,500	3,700	4,170	3,778	3,020	2,961	2,905	3,722	4,883
Caribbean, Central America	484	478	680	803	907	1,218	988	1,014	1,104	1,241
South America	318	436	1,200	1,382	1,278	1,055	771	782	944	935
Japan	207	747	2,480	2,884	2,798	2,580	2,779	2,637	3,080	3,585
Other	295	511								
Total receipts	2,331	4,887	10,888	12,313	12,383	16,847	10,873	11,187	12,482	14,778
Canada ¹	689	1,581	2,501	2,872	2,824	2,707	2,612	2,571	2,688	3,252
Mexico ¹	583	1,311	2,522	3,775	3,088	1,851	1,808	2,013	1,842	2,038
U.S. border area	580	672	1,614	2,547	2,308	1,457	1,510	1,595	1,558	1,578
Western Europe	318	611	2,182	2,548	2,476	2,187	2,228	2,283	2,824	3,812
Caribbean, Central America	170	306	483	489	525	684	604	633	702	810
South America	184	309	1,083	1,273	1,288	1,081	878	921	1,113	1,181
Japan	101	410	894	948	1,084	1,128	1,284	1,418	1,614	2,111
Other	138	285	1,083	1,228	1,317	1,229	1,380	1,378	1,478	1,885
Fares to U.S. carriers ²	377	787	2,082	2,875	2,892	3,087	3,136	3,104	3,824	4,637

¹ Beginning with estimate for 1986, passenger fares are excluded.

² Includes fares paid to and from the United States only.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, May 1988, and earlier issues.

NO. 404. U.S. TRAVEL TO FOREIGN COUNTRIES—TRAVELERS AND EXPENDITURES: 1970 TO 1987

(Travelers in thousands; expenditures in millions of dollars, except as indicated. Covers residents of the United States, its territories and possessions. See also *Historical Statistics, Colonial Times to 1970*, series H 921-940)

ITEM AND AREA	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987, prel.
Total overseas travelers ¹	5,280	6,354	8,183	8,040	8,510	9,828	11,852	12,388	11,708	12,248
Region of destination:										
Europe and Mediterranean	2,866	3,185	3,634	3,931	4,144	4,780	5,780	6,457	5,154	6,175
Average length of stay (days)	27	24	21	(NA)	(NA)	19	17	18	(NA)	(NA)
Caribbean and Central America	1,663	2,065	2,624	2,453	2,637	2,989	3,313	3,497	3,675	4,118
South America	249	447	594	567	529	536	557	553	624	788
Other	450	657	1,011	1,089	1,200	1,324	1,622	1,802	2,053	2,167
Expenditures abroad	2,980	8,417	10,387	11,478	12,384	13,858	15,448	16,482	17,260	20,488
Canada ²	1,018	1,308	1,817	2,070	1,936	2,180	2,418	2,694	3,030	2,948
Mexico ³	778	1,837	2,564	2,862	3,324	3,618	3,589	3,531	3,579	3,828
Total overseas areas ²	2,184	3,474	5,018	5,547	7,154	7,778	9,434	10,257	10,641	13,619
Europe and Mediterranean	1,425	1,818	3,412	3,567	3,787	4,201	5,171	5,857	5,336	7,542
Average per trip (dollars)	480	802	887	912	914	882	897	(NA)	(NA)	(NA)
Average per day (dollars)	18.15	25.18	41.28	(NA)	(NA)	48.42	52.78	(NA)	(NA)	(NA)
Caribbean and Central America	390	787	1,134	1,277	1,349	1,428	1,788	1,830	2,120	2,320
South America	90	242	382	383	380	406	357	365	425	565
Japan	87	131	185	214	272	278	400	458	747	811
Other	182	398	683	1,086	1,346	1,465	1,720	1,747	2,011	2,281

NA Not available. ¹ Excludes the following: Travel to Canada and Mexico; cruise travelers; military personnel and other Government employees and their dependents stationed abroad, and U.S. citizens residing abroad. ² Beginning with estimate for 1983, passenger fares are excluded. ³ Excludes passenger fares.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, May 1988, and earlier issues.

NO. 405. AIR TRAVEL BETWEEN THE UNITED STATES AND FOREIGN COUNTRIES: 1980 TO 1987

(In thousands. Covers passengers on international commercial flights arriving at and departing from U.S. airports. Excludes traffic between U.S. and Canada, border crossers, crewmen, and military personnel. Travelers between U.S. ports in the 50 States, Puerto Rico, Guam, or the Virgin Islands; and any other outlying area are included. Data compiled from flight reports of U.S. Immigration and Naturalization Service. Selection of countries based on minimum of 145,000 arrivals in 1987, except for Greece, which declined from earlier years. For related data, see also *Historical Statistics, Colonial Times to 1970*, series C 285-331)

FLAG OF CARRIER AND COUNTRY	ARRIVALS					DEPARTURES				
	1980	1984	1986	1988	1987	1986	1984	1986	1988	1987
Total passengers	30,282	23,212	34,154	25,809	28,844	19,284	21,808	22,487	23,175	24,864
Flag of carrier:										
United States	10,031	11,623	11,787	12,254	14,313	9,369	10,531	10,696	10,711	12,863
Foreign	10,251	11,589	12,367	13,554	14,531	9,915	11,076	11,791	12,464	12,001
Country of embarkation or disembarkation: ¹										
Antigua	63	129	166	138	153	57	108	86	194	134
Australia	227	277	277	313	378	245	223	232	281	349
Bahamas, The	1,123	1,373	1,503	2,488	1,828	1,006	1,083	1,161	1,208	1,286
Barbados	135	211	216	218	238	126	212	204	213	233
Belgium	242	242	281	316	227	231	216	248	285	180
Bermuda	487	441	434	500	516	467	385	369	368	367
Brazil	300	321	362	433	418	291	304	322	367	386
China, Taiwan	113	187	208	254	249	90	167	187	219	240
Colombia	315	285	279	281	284	298	280	294	270	279
Costa Rica	111	131	140	154	160	107	122	130	146	148
Denmark	267	238	241	247	302	254	235	254	281	295
Dominican Republic	486	575	608	706	617	443	479	528	625	710
Ecuador	130	108	120	141	148	131	78	92	105	141
France	688	765	885	608	1,181	835	748	894	870	1,085
Grand Cayman	121	170	173	188	222	112	180	181	175	189
Greece	206	285	187	86	125	180	234	210	91	129
Guatemala	186	115	107	130	161	149	114	116	187	192
Haiti	133	175	182	178	180	124	156	169	163	181
Hong Kong	228	285	270	304	319	152	283	238	267	270
Ireland	220	255	274	300	291	212	212	233	268	281
Israel	169	255	284	187	230	186	276	255	238	277
Italy	537	649	682	506	685	495	647	680	475	637
Jamaica	428	712	707	851	938	382	616	807	778	858
Japan	1,624	2,287	2,435	2,612	3,088	1,802	2,127	2,255	2,480	2,837
Mexico	2,888	2,801	2,719	2,843	3,534	2,888	2,808	2,874	2,878	3,458
Netherlands	427	558	583	588	621	408	513	582	557	607
Netherlands Antilles	327	428	407	465	524	282	348	395	416	432
New Zealand	151	133	145	162	225	145	146	171	207	284
Panama	150	189	180	176	165	142	184	209	201	188
Philippines	184	185	145	144	182	180	186	165	177	182
Portugal	119	135	129	127	148	110	124	122	111	134
South Korea	234	280	380	509	521	186	244	333	423	459
Spain	312	418	419	304	380	273	378	397	382	382
Switzerland	312	427	452	416	532	308	408	434	416	527
United Kingdom	2,973	3,222	3,480	3,215	3,884	2,840	3,103	3,322	3,083	3,886
Venezuela	533	255	248	258	329	518	287	245	257	320
West Germany	1,175	1,404	1,582	1,582	1,882	1,178	1,418	1,539	1,569	1,811
Other	1,835	2,235	2,188	2,347	2,512	1,835	2,082	2,009	2,118	2,335

¹ Country where passenger boarded/discharged a direct flight to/from the U.S.

Source: U.S. Dept. of Transportation, Transportation Systems Center, Cambridge, MA, *U.S. International Air Travel Statistics*, annual.

No. 400. NONIMMIGRANTS ADMITTED, BY CLASS OF ADMISSION: 1970 TO 1987

[In thousands; except as noted. Except as noted, for fiscal years ending in year shown; see text, section 10. Nonimmigrants are non-resident aliens (non-U.S. citizens) admitted to the U.S. for a temporary period. Included in this group are visitors for business and pleasure, students and their spouses and children, foreign government officials, exchange visitors and their spouses and children, international representatives, treaty traders and investors, representatives of foreign information media, fiancées(ees) of U.S. citizens and their children, officials of the North Atlantic Treaty Organization (NATO) and aliens in transit. Most classes include spouses and unmarried minor (or dependent) children accompanying or following to join the alien. Excluded are border crossers, crewmen, and insular travelers. See also *Historical Statistics, Colonial Times to 1970*, series C 149-157]

CLASS OF ADMISSION	1970	1975	1980	1980 ¹	1984	1989	1993	1997
Nonimmigrants	4,431.9	7,883.9	² 11,779.4	9,849.4	9,438.8	9,875.7	10,807.2	12,421.1
Temporary visitors, total	3,345.2	5,587.4	10,827.9	8,532.2	8,218.0	8,405.4	9,279.9	11,019.3
Percent of total	75.5	78.9	90.2	86.6	87.2	88.9	87.5	88.7
For pleasure	3,020.4	5,080.0	9,401.1	6,786.4	6,594.6	6,808.6	7,342.0	8,887.3
For business	324.8	527.4	1,226.4	1,765.8	1,623.4	1,796.8	1,937.9	2,132.0
Returning resident aliens ³	493.5	800.0	(X)	(X)	(X)	(X)	(X)	(X)
Transit aliens ⁴	231.9	273.0	189.5	289.0	236.4	236.5	243.9	284.1
Foreign government officials ⁵	50.5	68.4	91.1	92.6	86.4	90.2	99.7	91.7
Treaty traders and investors ⁵	19.2	35.0	64.7	92.6	90.5	96.5	103.7	114.1
Students ⁵	107.9	118.0	294.6	318.2	258.5	285.5	288.4	288.0
Representatives to international organizations ⁵	23.8	32.6	55.0	66.6	58.6	57.2	59.4	57.3
Temporary workers and industrial trainees	66.6	67.3	63.9	63.2	79.6	87.5	99.1	113.5
Workers of distinguished merit and ability	11.1	15.6	(NA)	39.9	42.5	47.3	54.4	65.5
Other temporary workers	69.3	37.5	(NA)	29.5	23.4	24.5	29.0	28.9
Industrial trainees	5.3	3.8	(NA)	3.0	2.9	3.0	2.9	3.0
Their spouses and children .....	.8	10.6	11.5	10.6	10.8	12.6	13.7	16.2
Representatives of foreign information media ⁵	4.7	6.1	13.5	16.3	19.1	16.8	18.9	18.4
Exchange visitors ⁵	66.6	68.4	115.4	118.5	120.9	141.2	189.0	193.0
NATO officials ⁵	2.3	4.0	6.8	6.8	7.8	8.3	7.0	7.3
Fiancées(ees) of U.S. citizens ⁵ .....	.1	6.4	7.5	7.2	7.1	7.8	8.1	6.8
Intracompany transferees ⁵ .....	.4	22.3	81.0	104.6	103.6	106.9	108.0	106.6
Parolees ⁷	(X)	(X)	(X)	51.5	47.8	47.5	45.9	63.2
Refugees	(X)	(X)	(X)	62.9	68.5	68.0	51.2	66.6
Other	(X)	(X)	(X)	34.8	23.1	20.3	39.1	20.6

NA Not available. X Not applicable. ¹ Calendar year. ² Includes nonimmigrants admitted whose class was unknown. ³ For 1970 and 1975, returning resident aliens who had once been counted as immigrants were included with nonimmigrants. Since 1981, data no longer collected. ⁴ Includes foreign government officials and their spouses and (unmarried minor or dependent) children, in transit. ⁵ Includes spouses and children. ⁶ Includes children of fiancées(ees) of U.S. citizens. ⁷ Aliens allowed to enter the U.S. for a temporary period of time on emergency conditions or when the entry is determined to be in the public interest (e.g., witness in court).

Source: U.S. Immigration and Naturalization Service, *Statistical Yearbook*, annual.

No. 407. NONIMMIGRANTS ADMITTED, BY COUNTRY OF LAST PERMANENT RESIDENCE:
1984 TO 1987

[In thousands. For years ending September 30. For definition of nonimmigrants, see table 406. Students and others entering with multiple entry documents are only counted on the first admission. Changes in reporting requirements affect reporting of nonimmigrants especially from Canada and Mexico]

COUNTRY	1984	1985	1986	1987	COUNTRY	1984	1985	1986	1987
Total	9,427	9,676	10,807	12,421	Europe ¹	3,214	3,144	8,389	4,801
America ¹	2,902	3,048	3,198	3,423	Austria	50	51	58	86
Argentina	64	69	161	170	Belgium	86	67	82	104
Bahamas, The	215	231	254	289	Denmark	55	59	73	95
Brazil	175	201	252	286	France	354	359	449	568
Canada	161	159	150	159	Germany	573	543	680	945
Colombia	172	186	160	158	Greece	50	52	58	59
Dominican Republic	90	86	97	112	Ireland	67	73	96	106
Ecuador	48	53	63	69	Italy	236	241	277	345
Guatemala	88	71	72	86	Netherlands	144	140	169	206
Haiti	75	60	60	81	Norway	71	71	85	93
Jamaica	116	127	147	176	Poland	29	47	56	54
Mexico	823	964	822	941	Portugal	25	27	29	31
Panama	57	55	58	61	Soviet Union ²	6	6	8	12
Peru	69	60	63	77	Spain	104	104	119	143
Trinidad and Tobago	96	90	78	85	Sweden	122	122	141	182
Venezuela	166	173	148	155	Switzerland	161	155	183	236
Asia ¹	2,498	2,649	2,832	3,341	United Kingdom	1,000	925	1,155	1,392
China ²	147	186	190	904	Yugoslavia	20	22	26	31
Hong Kong	104	101	113	118	Africa	200	179	197	176
India	82	86	99	109	Australia and New Zealand	336	347	379	406
Iran	30	42	32	20	Other countries and unknown	317	200	200	272
Israel	116	116	137	146					
Japan	1,442	1,558	1,693	2,124					
Korea	82	93	103	110					
Philippines	107	108	113	120					

¹ Includes countries not shown separately. ² Includes Taiwan. ³ Europe and Asia.

Source: U.S. Immigration and Naturalization Service, *Statistical Yearbook*, annual.

No. 408. TRAVEL BY U.S. RESIDENTS BY SELECTED TRIP CHARACTERISTIC: 1962 TO 1967

(In millions. Represents trips to places 100 miles or more away from home)

CHARACTERISTIC	TRIPS						PERSON-TRIPS					
	1962	1963	1964	1965	1966	1967	1962	1963	1964	1965	1966	1967
Total	637.3	548.9	526.2	566.4	582.3	636.3	1,066.3	1,067.8	1,012.0	1,077.8	1,121.6	1,191.8
Purpose:												
Visit friends and relatives	191.3	181.9	180.3	208.8	214.9	216.0	409.6	394.8	364.5	430.8	442.5	436.0
Other pleasure	180.4	169.6	170.4	177.6	200.3	228.9	377.7	401.4	349.7	376.0	418.9	462.7
Business or convention	101.9	109.8	114.5	133.3	140.0	157.5	152.4	146.4	156.1	165.2	169.0	206.2
Other	63.7	65.8	63.0	40.7	37.1	33.9	129.4	125.4	121.7	85.8	71.1	83.1
Mode of transport:												
Auto, truck, recreation vehicle	415.7	396.1	390.9	376.1	405.8	433.7	661.5	639.8	794.0	797.7	832.1	889.4
Airplane	94.6	116.2	116.8	140.5	143.4	180.7	144.9	174.2	174.5	217.3	231.0	289.9
Other	27.0	26.6	28.5	41.8	43.3	41.9	42.9	43.8	43.5	62.8	58.4	61.7
Vacation trip	314.6	307.6	333.3	339.8	354.3	366.2	660.2	642.3	669.8	726.7	752.4	773.4
Weekend trip	239.4	225.5	211.4	224.0	252.0	274.4	505.3	485.0	434.9	470.1	519.5	559.4

Source: U.S. Travel Data Center, Washington, DC, 1967 National Travel Survey, annual. (Copyright.)

No. 409. BUSINESS RECEIPTS AND EMPLOYMENT OF SELECTED TRAVEL INDUSTRY SECTORS: 1974 TO 1987

YEAR	BUSINESS RECEIPTS (mil. dol.)							EMPLOYMENT (1,000)					
	Travel industry, total	Transportation			Hotel, total	Eating and drinking places	Amusement and recreation services	Travel industry, total	Transportation		Eating and drinking places	Hotels, motels, and tourist courts	Amusement and recreation services
		Air ¹	Bus	Rail ²					Inter-city high-way passengers	Air			
1974	97,214	9,803	1,182	246	11,757	44,673	19,483	5,018.4	42.4	367.9	3,231.2	823.5	553.5
1975	96,840	10,301	1,172	237	13,002	51,067	21,061	5,226.5	39.9	362.8	3,378.5	849.5	568.8
1976	110,185	12,104	1,232	268	15,129	57,211	24,213	6,591.6	39.6	373.8	3,658.2	895.2	636.6
1977	121,686	13,773	1,331	281	16,413	63,276	26,611	6,961.0	37.4	386.3	3,948.6	913.0	665.7
1978	136,460	15,763	1,432	297	20,070	71,828	27,102	8,375.2	36.1	407.9	4,277.2	945.8	708.4
1979	158,377	18,931	1,684	365	25,229	82,110	30,079	8,719.9	36.7	436.2	4,513.1	1,019.9	712.0
1980	175,347	23,317	1,706	415	28,832	90,056	33,016	8,918.3	37.9	453.4	4,625.8	1,037.7	763.5
1981	194,878	25,504	1,809	489	31,572	96,118	37,207	7,102.2	38.1	454.6	4,748.5	1,076.4	783.8
1982	204,015	25,442	1,854	465	32,749	104,593	36,912	7,205.6	36.8	443.6	4,831.2	1,082.8	798.2
1983	219,999	27,347	1,995	515	35,897	112,495	41,747	7,481.3	35.5	455.2	5,041.8	1,131.1	817.7
1984	236,589	31,181	2,035	557	38,917	119,572	44,327	7,998.7	37.3	486.5	5,368.0	1,221.9	808.8
1985	250,343	33,044	1,999	605	41,837	125,114	47,754	8,399.3	35.7	519.0	5,713.1	1,293.0	838.5
1986	266,216	33,403	1,978	631	45,861	136,308	51,117	8,756.4	36.2	560.1	5,821.3	1,325.6	813.0
1987	290,698	36,106	1,920	655	49,612	147,645	54,926	9,022.9	31.7	604.3	5,993.6	1,407.1	966.2

¹ U.S. certificated carriers in domestic service. ² Covers fiscal years October 1 through September 30.

Source: U.S. Travel Data Center, Washington, DC, The 1986-87 Economic Review of Travel in America. (Copyright.)

No. 410. DOMESTIC TRAVEL EXPENDITURES, BY STATE: 1986

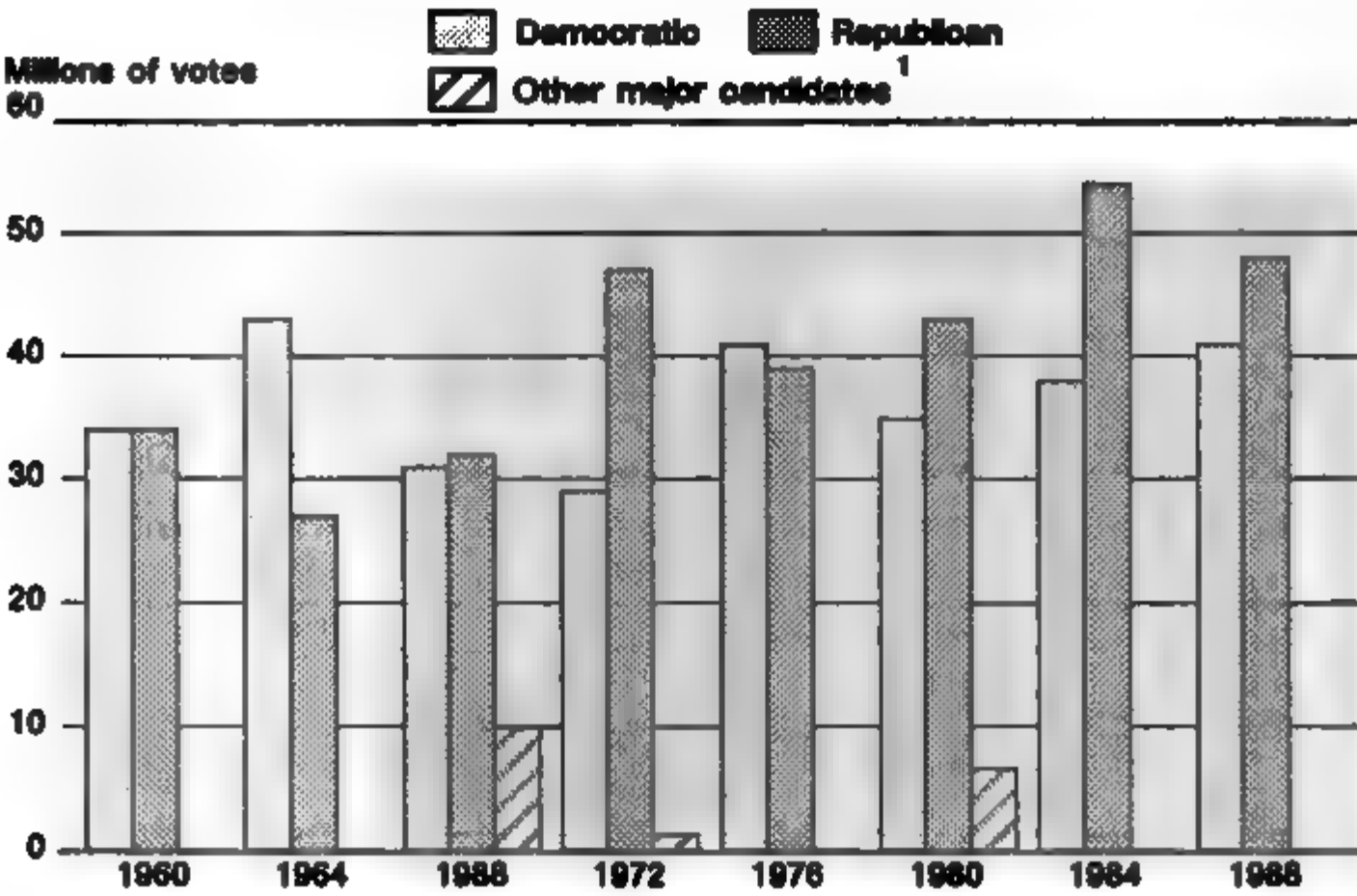
(Represents U.S. spending on domestic overnight trips and day trips of 100 miles or more away from home. Excludes spending by foreign visitors and by U.S. residents in U.S. territories and abroad)

STATE	Total (mil. dol.)	Share of total (per-cent)	Rank	STATE	Total (mil. dol.)	Share of total (per-cent)	Rank	STATE	Total (mil. dol.)	Share of total (per-cent)	Rank
U.S. total	252,854	100.0		KY	2,293	.9	30	ND	821	.3	49
AL	1,886	.7	36	LA	3,596	1.4	24	OH	6,697	2.7	10
AK	888	.4	45	ME	1,879	.8	34	OK	2,743	1.1	28
AZ	4,815	1.9	19	MO	4,786	1.9	19	OR	2,484	1.0	29
AR	1,673	.6	35	MA	5,096	2.3	13	PA	10,106	4.0	6
CA	33,658	13.3	1	MI	7,625	3.0	8	RI	494	.2	51
CO	5,175	2.1	16	MN	5,179	2.1	15	SC	3,885	1.5	23
CT	2,906	1.1	27	MS	1,351	.5	40	SD	582	.2	50
DE	709	.3	48	MO	4,970	2.0	17	TN	4,081	1.6	22
DC	1,283	.5	42	MT	717	.3	47	TX	15,681	6.2	4
FL	20,350	8.1	2	NE	1,247	.5	43	UT	1,836	.8	33
GA	1,977	.8	34	NV	7,280	2.9	9	VT	1,337	.5	41
HI	3,039	1.2	26	NH	1,710	.7	36	VA	6,073	2.4	12
ID	1,012	.4	44	NJ	12,971	5.1	5	WA	4,239	1.7	20
IL	9,564	3.8	7	NM	1,810	.7	37	WV	1,417	.6	39
IN	3,083	1.2	25	NY	16,775	6.6	3	WI	4,175	1.7	21
IA	1,886	.7	31	NC	6,079	2.4	11	WY	771	.3	46
KS	1,886	.7	32								

X Not applicable.

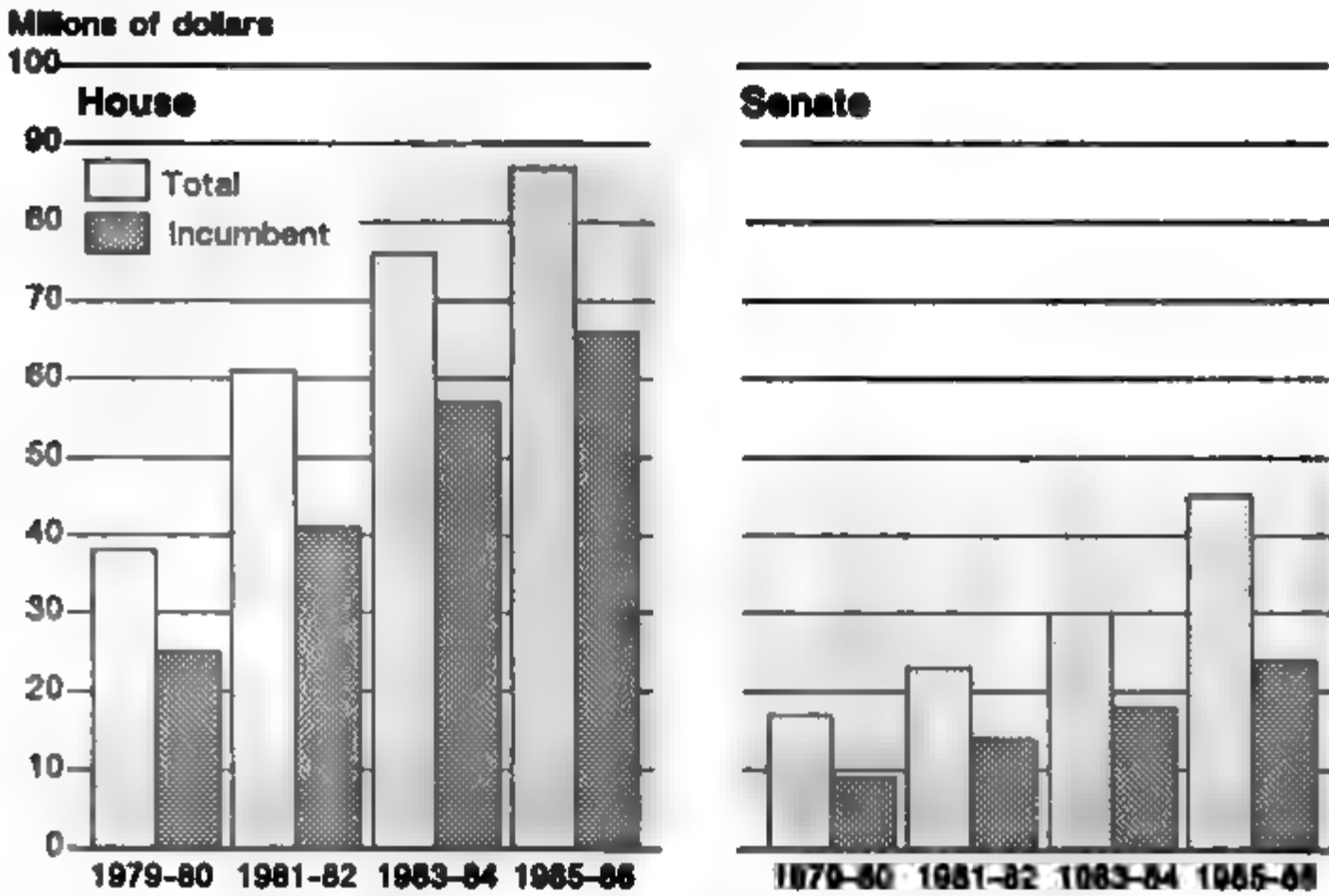
Source: U.S. Travel Data Center, Washington, DC, Impact of Travel on State Economies, 1986. (Copyright.)

Figure 8.1
Popular Vote Cast for President, by Major Party: 1960 to 1988

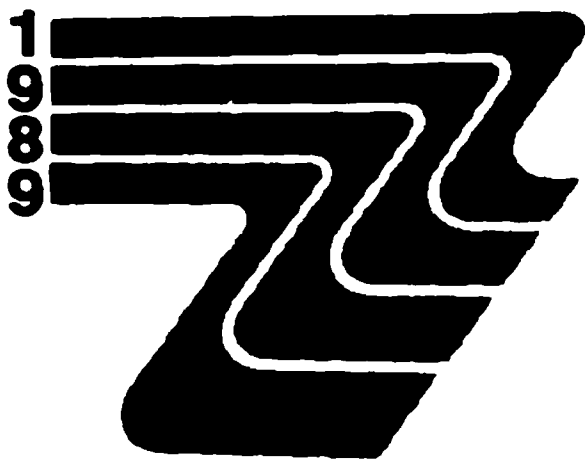


¹ 1968 and 1972—American Independent; 1980—John Anderson
Source: Chart prepared by U.S. Bureau of the Census. For data see table 411.

Figure 8.2
Political Action Committees (PAC)—Contributions to Congressional Campaigns: 1979 to 1988



Source: Chart prepared by U.S. Bureau of the Census. For data see table 444.



Section 8

Elections

This section relates primarily to Presidential, congressional, and gubernatorial elections. Also presented are summary tables on congressional legislation, State legislatures, Black, Hispanic, and female officeholders, population of voting age, voter participation, and campaign finances.

Official statistics on Federal elections, collected by the Clerk of the House, are published biennially in *Statistics of the Presidential and Congressional Election* and *Statistics of the Congressional Election*. Federal and State elections data appear also in *America Votes*, a biennial volume of the Elections Research Center, Washington, DC. Federal elections data also appear in the U.S. Congress, *Congressional Directory*, and in official State documents. Data on reported registration and voting are obtained by the U.S. Bureau of the Census as part of the Current Population Survey (CPS) and are published in *Current Population Reports*, series P-20 (see text, section 1).

Almost all Federal, State, and local governmental units in the United States conduct elections at various intervals for different offices and other purposes. The conduct of elections is regulated by State laws or, in some cities and counties, by local charter. An exception is that the U.S. Constitution prescribes the basis of representation in Congress and the manner of electing the President, and grants to Congress the right to regulate the times, places, and manner of electing Federal officers. Amendments to the Constitution have prescribed national criteria for voting eligibility. The 15th Amendment, adopted in 1870, gave all citizens the right to vote regardless of race, color, or previous condition of servitude. The 19th Amendment, adopted in 1919, further extended the right to vote to all citizens regardless of sex. The payment of poll taxes as a prerequisite to voting in Federal elections was banned by the 24th Amendment in 1964. In 1971, as a result of the 26th Amendment, eligibility to vote in national elections was extended to all citizens, 18 years old and over.

Presidential election.—The Constitution specifies how the President and Vice President are selected. Each State elects, by popular vote, a group of electors equal in number to its total of members of Congress. Subsequent to the election, the electors meet in their respective States to vote for President and Vice President. Usually, each elector votes for the candidate receiving the most popular votes in his or her State. A majority vote of all electors is necessary to elect the President and Vice President. If no candidate receives a majority, the House of Representatives, with each State having one vote, is empowered to elect the President and Vice President, again, with a majority of votes required.

The 22d Amendment to the Constitution, adopted in 1951, limits presidential tenure to 2 elective terms of 4 years each, or to 1 elective term for any person who, upon succession to the Presidency, has held the office or acted as President for more than 2 years. The 23d Amendment, adopted in 1961, grants the District of Columbia 3 presidential electors, a number equal to that of the least populous State.

Congressional election.—The Constitution provides that Representatives be apportioned among the States according to their population; that a census of population be taken every 10 years as a basis for apportionment; and that each State have at least 1 Representative. At the time of each apportionment, Congress decides what the total number of Representatives will be. Since 1912, the total has been 435, except during 1960 to 1962 when it increased to 437, adding 1 Representative each for Alaska and Hawaii. The total reverted to 435 after reapportionment following the 1960 census. Members are elected for 2-year terms, all terms covering the same period. The District of Columbia, American Samoa, Guam, and the Virgin Islands each elect one nonvoting Delegate and Puerto Rico elects a nonvoting Resident Commissioner.

The Senate is composed of 100 members, 2 from each State, who are elected to serve for a term of 6 years. One-third of the Senate is elected every 2 years. Senators were originally chosen by the State legislatures. The 17th Amendment to the Constitution, adopted in 1913, prescribed that Senators be elected by popular vote.

Voter eligibility and participation.—The Census Bureau publishes estimates of the population of voting age and the percent casting votes in each State for Presidential and congressional elec-

tion years. These voting-age estimates include a number of persons who meet the age requirement but are not eligible to vote, (e.g. aliens and some institutionalized persons). In addition, since 1984, voter participation and voter characteristics data have been collected during November of election years as part of the CPS. These survey data include noncitizens in the voting age population estimates, but exclude members of the Armed Forces and the institutional population.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

No. 411. VOTE CAST FOR PRESIDENT, BY POLITICAL PARTIES: 1920 TO 1988

[Prior to 1980, excludes Alaska and Hawaii; prior to 1984, excludes DC. Vote cast for major party candidates includes the votes of minor parties cast for those candidates. See also *Historical Statistics, Colonial Times to 1970*, series Y 79-83 and Y 135]

YEAR	CANDIDATES FOR PRESIDENT		VOTE CAST FOR PRESIDENT						
	Democratic	Republican	Total popular vote ¹ (1,000)	Democratic			Republican		
				Popular vote		Electoral vote	Popular vote		Electoral vote
				Number (1,000)	Per-cent		Number (1,000)	Per-cent	
1920	Cox	Harding	26,768	9,133	34.1	127	16,153	60.3	404
1924	Davis	Coolidge	29,085	8,387	28.8	136	15,720	54.0	362
1928	Smith	Hoover	36,806	15,008	40.8	87	21,437	58.2	444
1932	F. D. Roosevelt	Hoover	39,768	22,829	57.4	472	15,760	39.6	89
1936	F. D. Roosevelt	Landon	45,654	27,757	60.3	523	16,684	36.5	8
1940	F. D. Roosevelt	Willkie	49,900	27,313	54.7	449	22,348	44.8	82
1944	F. D. Roosevelt	Dewey	47,977	25,613	53.4	432	22,018	45.9	99
1948	Truman	Dewey	48,794	24,179	49.6	303	21,991	45.1	199
1952	Stevenson	Eisenhower	61,551	27,315	44.4	89	33,836	55.1	442
1956	Stevenson	Eisenhower	62,027	26,023	42.0	73	35,580	57.4	457
1960	Kennedy	Nixon	66,838	34,227	49.7	303	34,108	49.5	219
1964	Johnson	Goldwater	70,645	48,130	61.1	486	27,176	38.5	82
1968	Humphrey	Nixon	73,212	31,275	42.7	191	31,785	43.4	301
1972	McGovern	Nixon	77,719	29,170	37.5	17	47,170	60.7	520
1976	Carter	Ford	81,558	40,831	50.1	297	39,149	48.0	240
1980	Carter	Reagan	86,515	36,484	41.0	49	43,964	50.7	486
1984	Mondale	Reagan	92,653	37,577	40.8	13	54,455	58.8	525
1988 ²	Dukakis	Bush	66,838	41,016	49.1	111	47,946	53.9	426

YEAR	VOTE CAST FOR PRESIDENT—Con.	YEAR	VOTE CAST FOR PRESIDENT—Con.
	LEADING OTHER CANDIDATES		LEADING OTHER CANDIDATES—Con.
1920	Eugene Debs, Socialist, 915,490. P. P. Christensen, Farmer-Labor, 265,229.	1952	Vincent Hallinan, Progressive, 140,023. Stuart Hamblen, Prohibition, 72,949.
1924	Robert LaFollette, Progressive, 4,832,532. Herman P. Farris, Prohibition, 56,292.	1956	T. Coleman Andrews, States' Rights, 111,178. Eric Hase, Socialist Labor, 44,450.
1928	Norman Thomas, Socialist, 265,583. Verne L. Reynolds, Socialist Labor, 21,586.	1960	Eric Hase, Socialist Labor, 47,522. Rutherford Decker, Prohibition, 46,203.
1932	Norman Thomas, Socialist, 884,649. William Z. Foster, Communist, 103,253.	1964	Eric Hase, Socialist Labor, 45,219. Clifton DeBerry, Socialist Workers, 32,720.
1936	William Lemke, Union, 892,267. Norman Thomas, Socialist, 187,833.	1968	George Wallace, American Independent, 9,906,473. Henning Blomen, Socialist Labor, 52,588.
1940	Norman Thomas, Socialist, 116,410. Roger Babeon, Prohibition, 58,708.	1972	John Schmitz, American, 1,099,482. Benjamin Spock, People's, 78,756.
1944	Norman Thomas, Socialist, 79,003. Claude Watson, Prohibition, 74,799.	1976	Eugene McCarthy, Independent, 756,691. Roger MacBride, Libertarian, 173,011.
1948	Strom Thurmond, States' Rights, 1,178,125. Henry Wallace, Progressive, 1,157,326.	1980	John Anderson, Independent, 5,720,080. Ed Clark, Libertarian, 921,299.
		1984	David Bergland, Libertarian, 228,314 Lyndon H. LaRouche, Independent, 78,807

¹ Except for 1988, includes votes for minor party candidates, independents, unpledged electors, and scattered write-in votes.
² Based on nearly complete, unofficial returns compiled by News Election Service. Source: Congressional Quarterly, Inc., Washington, DC, *Congressional Quarterly Weekly Report*, vol. 46, No. 46, Nov. 12, 1988. (Copyright.)
Source: Except as noted, Elections Research Center, Washington, DC, *America at the Polls*, 1986, and *America Votes*, biennial, (copyright).

NO. 412. ELECTORAL VOTE CAST FOR PRESIDENT, BY MAJOR POLITICAL PARTY—STATES:
1948 TO 1988

D=Democratic, R=Republican. For composition of regions, see fig. 1, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series Y 84-134)

REGION, DIVISION, AND STATE	1948 ¹	1952	1956 ²	1960 ³	1964	1968 ⁴	1972 ⁵	1976 ⁶	1980	1984	1988 ⁷
Democratic	303	28	73	303	466	191	17	327	46	13	111
Republican	189	442	457	219	52	391	525	340	486	525	436
Northeast: Democratic	20	-	-	121	126	102	14	86	4	-	53
Republican	118	133	133	12	-	24	108	26	113	80	80
Midwest: Democratic	101	-	13	71	149	31	-	58	10	10	29
Republican	54	153	-	62	-	118	145	87	135	127	108
South: Democratic	117	69	80	101	121	45	3	149	31	3	8
Republican	11	77	106	50	47	77	166	20	136	174	111
West: Democratic	85	-	-	10	90	13	-	4	4	-	21
Republican	6	70	79	75	5	82	102	87	86	111	90
New England: ME	R-5	R-5	R-5	R-6	D-4	D-4	R-4	R-4	R-4	R-4	R-4
NH	R-4	R-4	R-4	R-4	D-4	D-4	R-4	R-4	R-4	R-4	R-4
VT	R-3	R-3	R-3	R-3	D-3	R-3	R-3	R-3	R-3	R-3	R-3
MA	D-18	R-18	R-18	D-18	D-14	D-14	D-14	D-14	R-14	R-13	D-13
RI	D-4	R-4	R-4	D-4	D-4	D-4	R-4	D-4	D-4	R-4	D-4
CT	R-8	R-8	R-8	D-8	-	D-8	R-8	R-8	R-8	-	R-8
Middle Atlantic: NY	R-47	R-45	R-45	D-45	D-43	D-43	R-41	D-41	R-41	R-38	D-38
NJ	R-18	R-18	R-18	D-18	D-17	R-17	R-17	R-17	R-17	R-16	R-16
PA	R-35	R-32	R-32	D-32	D-29	D-29	R-27	D-27	R-27	R-26	R-26
East North Central: OH	D-25	-	R-25	R-25	D-25	R-26	R-25	D-25	R-25	R-23	R-23
IN	R-13	R-13	R-13	R-13	D-13	R-13	R-13	R-13	R-13	R-12	R-12
IL	D-26	R-27	R-27	D-27	D-26	R-26	R-26	R-26	R-26	R-24	R-24
MI	R-19	R-20	R-20	D-20	D-21	D-21	R-21	R-21	R-21	R-20	R-20
WI	D-12	R-12	R-12	R-12	D-12	R-12	R-11	D-11	R-11	R-11	D-11
West North Central: MN	D-11	R-11	R-11	D-11	D-10	D-10	R-10	D-10	D-10	D-10	D-10
IA	D-10	R-10	R-10	R-10	D-9	R-9	-	R-9	R-9	R-9	D-9
MO	D-15	R-13	D-13	D-13	D-12	R-12	R-12	D-12	R-12	R-11	R-11
ND	R-4	R-4	R-4	R-4	D-4	R-4	R-3	R-3	R-3	R-3	R-3
SD	R-4	R-4	R-4	R-4	D-4	R-4	R-4	-	R-4	R-3	R-3
NE	-	R-6	R-6	R-6	D-5	R-5	R-5	R-5	R-5	R-5	R-5
KS	R-6	R-6	R-6	R-6	D-7	R-7	R-7	R-7	R-7	R-7	R-7
South Atlantic: DE	R-3	R-3	R-3	D-3	D-3	R-3	R-3	D-3	-	R-3	R-3
MD	R-6	R-6	R-6	D-6	D-10	D-10	R-10	D-10	D-10	R-10	R-10
DC	D-3	D-3	D-3	D-3	D-3	D-3	R-3	D-3	D-3	D-3	D-3
VA	D-11	R-12	R-12	R-12	D-12	R-12	R-11	R-12	R-12	R-12	R-12
WV	D-6	D-6	R-6	D-6	D-7	D-7	R-6	D-6	D-6	R-6	D-5
NC	D-14	D-14	D-14	D-14	D-13	R-12	R-13	D-13	R-13	R-13	R-13
SC	D-12	D-12	D-12	D-12	R-12	R-12	R-12	D-12	R-12	R-12	R-12
GA	D-12	D-12	D-12	D-12	R-12	R-12	R-12	D-12	D-12	R-12	R-12
FL	D-8	R-10	R-10	R-10	D-14	R-14	R-17	D-17	R-17	R-21	R-21
East South Central: KY	D-11	D-10	R-10	R-10	D-9	R-9	R-9	D-9	R-9	R-9	R-9
TN	D-11	R-11	R-11	R-11	D-11	R-11	R-10	D-10	R-10	R-11	R-11
AL	D-11	D-11	R-10	D-10	R-10	R-10	R-9	D-9	R-9	R-9	R-9
MS	D-6	D-6	D-6	D-6	R-7	R-7	R-7	D-7	R-7	R-7	R-7
West South Central: AR	D-6	D-6	R-6	D-6	D-6	R-6	-	D-6	R-6	R-6	R-6
LA	D-10	D-10	R-10	D-10	R-10	R-10	R-10	D-10	R-10	R-10	R-10
OK	D-10	R-10	R-10	R-10	D-10	R-10	R-10	D-10	R-10	R-10	R-10
TX	D-23	R-24	R-24	-	D-25	D-25	R-26	D-26	R-26	R-26	R-26
Mountain: MT	D-3	R-3	R-3	R-3	D-3	R-3	R-3	R-3	R-3	R-3	R-3
WY	D-3	R-3	R-3	R-3	D-3	R-3	R-3	R-3	R-3	R-3	R-3
CO	D-6	R-6	R-6	R-6	D-6	R-6	R-6	R-6	R-6	R-6	R-6
NM	D-5	R-5	R-5	R-5	D-5	R-5	R-5	R-5	R-5	R-5	R-5
AZ	D-4	R-4	R-4	R-4	D-4	R-4	R-4	R-4	R-4	R-4	R-4
UT	D-4	R-4	R-4	R-4	D-4	R-4	R-4	R-4	R-4	R-4	R-4
NV	D-3	R-3	R-3	R-3	D-3	R-3	R-3	R-3	R-3	R-3	R-3
Pacific: WA	D-6	R-6	R-6	-	-	D-6	R-6	R-6	-	R-10	D-10
OR	D-6	R-6	R-6	D-6	D-6	R-6	R-6	R-6	R-6	R-7	D-7
CA	D-28	R-28	R-28	R-28	D-20	R-20	R-20	R-20	R-20	R-27	R-27
AK	D-3	D-3	D-3	D-3	D-3	R-3	R-3	R-3	R-3	R-3	D-3
HI	D-2	D-2	D-2	D-2	D-2	R-2	R-2	R-2	R-2	R-2	D-2

- Represents zero. X Not applicable. ¹ Excludes 36 electoral votes cast for States' Rights Democratic candidates as follows: AL 11, LA 10, MS 9, SC 8, and TN 1. ² Excludes 1 electoral vote cast for Walter B. Jones in Alabama. ³ Excludes 15 electoral votes cast for Harry F. Byrd as follows: AL 6, MS 8, and OK 1. ⁴ Excludes 46 electoral votes cast for George C. Wallace as follows: AL 10, AR 8, GA 12, LA 10, MS 7, NC 1. ⁵ Excludes 1 electoral vote cast for John Hoopes in Virginia. ⁶ Excludes 1 electoral vote cast for Ronald Reagan in Washington. ⁷ Excludes 1 electoral vote cast for Lloyd Bentsen for President in West Virginia.

Source: 1948-1972, U.S. Congress, Clerk of the House, *Statistics of the Presidential and Congressional Election*, quadrennial; 1976-1984, Elections Research Center, Washington, DC, *America Votes*, biennial; 1988, Congressional Quarterly, Inc., Washington, DC, *Congressional Quarterly Weekly Report*, vol. 48, No. 48, November 12, 1988. (Copyright.)

NO. 413. POPULAR VOTE CAST FOR PRESIDENT, BY POLITICAL PARTY—STATES: 1960 TO 1968

(In thousands, except percent. D—Democratic, R—Republican. Leading party vote refers to the party vote representing either a majority or a plurality for the victorious party in the area shown. For composition of regions, see fig. 1, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series Y 135-166.)

REGION, DIVISION, AND STATE	1960				1964				1968 ²			
	Total ¹	Democ- ratic Party	Re- pub- lican Party	Percent for leading party	Total ¹	Democ- ratic Party	Re- pub- lican Party	Percent for leading party	Total	Democ- ratic Party	Re- pub- lican Party	Percent for leading party
U.S.	86,518	36,464	43,804	R-60.7	82,869	37,577	54,488	R-66.6	86,969	41,916	47,846	R-63.9
Regions:												
Northeast	19,206	8,019	9,147	R-47.8	20,483	9,046	11,336	R-55.3	19,280	9,485	9,774	R-50.7
Midwest	25,178	10,291	12,827	R-60.9	25,441	10,511	14,781	R-58.0	24,347	11,486	12,856	R-52.8
South	25,813	11,554	13,118	R-50.8	28,839	10,866	17,889	R-61.4	28,005	11,892	16,113	R-57.5
West	16,316	5,620	6,513	R-64.0	17,895	7,022	10,869	R-59.6	17,261	6,150	9,201	R-63.0
N. Eng.	5,467	2,306	2,446	R-44.7	5,514	2,437	3,183	R-65.2	5,996	2,796	2,998	R-60.1
ME	523	221	239	R-45.8	509	216	237	R-60.8	545	241	304	R-55.8
NH	364	109	222	R-57.7	366	120	267	R-68.6	442	162	280	R-63.3
VT	213	62	95	R-44.4	235	66	139	R-57.9	340	116	129	R-51.4
MA	2,524	1,054	1,056	R-41.9	2,559	1,240	1,311	R-51.2	2,572	1,367	1,184	D-53.9
RI	416	198	155	D-47.7	410	197	212	R-51.7	388	217	170	D-65.1
CT	1,406	542	677	R-48.2	1,457	570	691	R-60.7	1,422	675	747	R-52.5
Mid. Atl.	13,739	5,813	6,703	R-46.8	14,870	6,899	8,183	R-65.0	13,954	6,867	6,988	R-61.8
NY	6,202	2,726	2,894	R-48.7	6,807	3,120	3,685	R-63.8	6,204	3,226	2,978	D-52.0
NJ	2,976	1,147	1,547	R-62.0	3,216	1,261	1,934	R-60.1	2,975	1,275	1,700	R-67.1
PA	4,562	1,936	2,262	R-49.8	4,845	2,226	2,584	R-63.3	4,475	2,184	2,291	R-61.2
E. No. Cent.	17,466	7,221	8,826	R-60.5	17,618	7,279	10,219	R-69.8	16,786	7,782	9,004	R-63.7
OH	4,264	1,752	2,207	R-51.5	4,548	1,825	2,679	R-58.9	4,347	1,935	2,412	R-55.5
IN	2,242	844	1,256	R-56.0	2,222	841	1,377	R-61.7	2,131	851	1,280	R-60.1
IL	4,760	1,961	2,358	R-49.8	4,819	2,089	2,707	R-58.2	4,479	2,181	2,299	R-61.3
MI	3,910	1,962	1,915	R-49.0	3,802	1,530	2,252	R-68.2	3,643	1,673	1,980	R-64.1
WI	2,273	962	1,069	R-47.9	2,212	998	1,199	R-64.2	2,166	1,122	1,044	D-61.6
W. No. Cent.	7,719	3,070	4,002	R-51.8	7,239	3,232	4,546	R-65.1	7,581	3,727	3,854	R-63.8
MN	2,052	954	873	D-48.5	2,084	1,036	1,039	D-49.7	2,065	1,107	958	D-53.6
IA	1,318	509	676	R-51.3	1,320	608	703	R-63.9	1,209	667	542	D-66.2
MO	2,100	931	1,074	R-51.2	2,129	848	1,274	R-60.0	2,085	1,004	1,081	R-61.6
ND	302	79	194	R-64.2	308	104	200	R-64.8	293	127	166	R-68.6
SD	326	104	196	R-60.6	318	116	200	R-63.0	311	146	166	R-63.2
NE	641	167	430	R-66.6	652	186	460	R-70.8	644	254	389	R-60.6
KS	960	326	567	R-57.9	1,022	339	677	R-65.3	975	422	553	R-68.7
S. Atl.	12,586	5,996	6,199	R-49.3	14,124	6,519	8,986	R-60.8	13,986	5,962	8,045	R-67.9
DE	236	106	111	R-47.2	255	102	152	R-59.8	220	99	121	R-58.8
MD	1,540	726	681	D-47.1	1,676	788	680	R-52.5	1,626	794	834	R-51.2
DC	176	131	24	D-74.8	211	180	29	D-85.4	179	153	26	D-85.6
VA	1,688	752	990	R-63.0	2,147	786	1,337	R-62.3	2,186	861	1,305	R-60.3
WV	736	367	334	D-49.8	736	326	405	R-55.1	647	309	309	D-52.4
NC	1,856	676	915	R-49.3	2,176	824	1,346	R-61.9	2,122	890	1,232	R-61.1
SC	604	430	442	R-48.4	609	344	616	R-63.6	667	366	600	R-62.0
GA	1,587	691	654	D-56.6	1,776	707	1,069	R-60.2	1,789	716	1,070	R-60.9
FL	3,667	1,419	2,047	R-55.6	4,180	1,449	2,730	R-65.3	4,171	1,632	2,539	R-60.9
E. So. Cent.	5,147	2,468	2,816	R-48.9	5,484	2,156	3,287	R-68.9	5,167	2,166	3,032	R-68.3
KY	1,296	618	635	R-48.1	1,369	540	622	R-60.0	1,311	579	731	R-55.8
TN	1,618	763	786	R-48.7	1,712	712	990	R-57.8	1,617	676	939	R-68.1
AL	1,342	637	654	R-48.6	1,442	662	673	R-60.8	1,357	547	810	R-58.7
MS	693	429	441	R-49.4	941	362	582	R-61.9	913	361	552	R-60.5
W. So. Cent.	8,078	3,389	4,463	R-64.5	9,344	3,236	5,667	R-63.5	8,912	3,676	5,067	R-68.8
AR	636	306	409	R-48.1	694	339	536	R-60.5	609	345	464	R-67.3
LA	1,549	708	793	R-51.2	1,707	652	1,037	R-60.8	1,586	716	861	R-55.2
OK	1,150	402	696	R-60.5	1,256	385	862	R-68.6	1,182	463	678	R-68.4
TX	4,542	1,681	2,511	R-55.3	5,398	1,949	3,439	R-63.6	5,345	2,331	3,014	R-68.4
MT	4,346	1,251	2,837	R-60.7	4,739	1,446	3,131	R-68.1	4,883	2,037	2,866	R-68.6
WY	364	116	207	R-56.8	364	147	232	R-60.5	368	166	180	R-53.0
ID	437	110	291	R-68.5	411	109	299	R-72.4	401	147	253	R-63.2
WY	177	49	111	R-62.8	169	53	133	R-70.6	174	67	107	R-61.4
CO	1,184	368	652	R-55.1	1,285	465	822	R-63.4	1,343	621	728	R-53.9
NM	457	186	251	R-54.9	514	202	307	R-59.7	467	237	261	R-62.4
AZ	674	247	530	R-60.6	1,028	334	691	R-68.4	1,142	447	694	R-60.6
UT	604	124	440	R-72.6	630	155	480	R-74.5	634	207	427	R-67.4
NV	248	87	155	R-62.5	267	82	189	R-65.6	339	133	206	R-60.6
Pac.	11,673	4,399	6,177	R-61.6	12,189	5,479	7,539	R-67.2	12,469	5,129	6,336	R-68.9
WA	1,742	660	866	R-49.7	1,864	807	1,052	R-55.8	1,845	845	800	D-61.3
OR	1,162	457	671	R-48.3	1,227	536	686	R-55.9	1,093	575	518	D-52.6
CA	6,667	3,084	4,525	R-62.7	6,806	3,223	5,467	R-57.5	6,305	4,448	4,786	R-61.7
AK	158	42	86	R-54.9	208	62	136	R-68.7	165	62	102	R-62.2
HI	303	136	130	D-44.9	336	147	165	R-55.1	351	162	159	D-54.6

¹ Includes other parties.

² Based on unofficial returns compiled by the News Election Service. Source: Congressional Quarterly, Inc., Washington, DC, *Congressional Quarterly Weekly Report*, vol. 40, No. 46, Nov. 12, 1968. (Copyright.)

Source: Except as noted, Elections Research Center, Washington, DC, *America Votes*, biennial. (Copyright.)

**NO. 414. VOTE CAST FOR UNITED STATES SENATORS, BY MAJOR POLITICAL PARTY—STATES:
1964 TO 1966**

(In thousands, except percent. Except as noted, excludes elections to fill vacancies for unexpired terms)

DIVISION AND STATE	1964				1966				1968 ²			
	Total ¹	Democrat	Republican	Percent for leading party	Total ¹	Democrat	Republican	Percent for leading party	Total	Democrat	Republican	Percent for leading party
N. Eng.:												
ME	551	143	404	73.3	(x)	(x)	(x)	(x)	551	447	104	81.1
NH	384	157	226	58.7	246	79	164	62.9	(x)	(x)	(x)	(x)
VT	(x)	(x)	(x)	(x)	197	124	66	63.2	224	72	152	68.4
MA	2,530	1,389	1,137	55.1	(x)	(x)	(x)	(x)	2,554	1,578	976	65.8
RI	395	267	108	72.6	(x)	(x)	(x)	(x)	362	174	207	54.3
CT	(x)	(x)	(x)	(x)	977	633	340	64.6	1,261	686	575	59.4
Mid. Atl.:												
NY	(x)	(x)	(x)	(x)	4,179	1,723	2,378	56.9	5,784	3,862	1,922	67.3
NJ	3,086	1,987	1,089	64.2	(x)	(x)	(x)	(x)	2,857	1,563	1,304	54.4
PA	(x)	(x)	(x)	(x)	3,378	1,446	1,907	56.4	4,302	1,410	2,892	67.2
E. No. Cent.:												
OH	(x)	(x)	(x)	(x)	3,121	1,949	1,172	62.5	4,344	2,474	1,870	56.9
IN	(x)	(x)	(x)	(x)	1,546	585	938	57.3	2,084	673	1,412	67.7
IL	4,787	2,397	2,389	50.1	3,123	2,034	1,054	65.1	(x)	(x)	(x)	(x)
MI	3,701	1,816	1,745	51.8	(x)	(x)	(x)	(x)	3,453	2,107	1,346	61.0
WI	(x)	(x)	(x)	(x)	1,463	703	755	50.9	2,149	1,122	1,027	52.2
W. No. Cent.:												
MIN.	2,066	853	1,200	58.1	(x)	(x)	(x)	(x)	2,069	863	1,172	58.6
IA	1,293	717	564	55.5	892	299	589	66.0	(x)	(x)	(x)	(x)
MO.	(x)	(x)	(x)	(x)	1,477	700	778	52.8	2,072	660	1,412	68.1
ND	(x)	(x)	(x)	(x)	299	144	142	49.8	264	172	112	60.5
SD	316	81	235	74.5	296	163	143	51.8	(x)	(x)	(x)	(x)
NE	640	332	307	51.9	(x)	(x)	(x)	(x)	854	371	272	56.6
KS	997	212	757	76.0	624	247	577	70.0	(x)	(x)	(x)	(x)
So. Atl.:												
DE	246	146	98	60.1	(x)	(x)	(x)	(x)	226	86	141	62.4
MD.	(x)	(x)	(x)	(x)	1,113	575	437	60.7	1,542	869	588	61.8
VA	2,007	891	1,406	70.0	(x)	(x)	(x)	(x)	2,066	1,474	584	71.3
WV	722	374	345	51.8	(x)	(x)	(x)	(x)	631	409	222	64.8
NC	2,239	1,070	1,157	51.7	1,591	824	766	51.8	(x)	(x)	(x)	(x)
SC	965	307	645	66.8	736	486	263	65.1	(x)	(x)	(x)	(x)
GA	1,681	1,344	337	79.9	1,225	624	601	50.8	(x)	(x)	(x)	(x)
FL	(x)	(x)	(x)	(x)	3,430	1,678	1,552	54.7	4,059	2,015	2,045	50.4
E. So. Cent.:												
KY	(x)	(x)	645	49.8	677	504	173	74.4	(x)	(x)	(x)	(x)
TN	1,646	1,001	557	60.7	(x)	(x)	(x)	(x)	1,556	1,021	535	65.6
AL	1,371	861	499	62.8	1,212	609	603	50.3	(x)	(x)	(x)	(x)
MS	952	372	580	60.9	(x)	(x)	(x)	(x)	918	431	487	53.1
W. So. Cent.:												
AR	676	502	374	57.3	666	433	262	62.3	(x)	(x)	(x)	(x)
LA	(x)	(x)	(x)	(x)	1,370	724	646	52.8	(x)	(x)	(x)	(x)
OK	1,196	906	281	75.6	894	400	493	55.2	(x)	(x)	(x)	(x)
TX	5,319	2,203	3,116	58.6	(x)	(x)	(x)	(x)	5,232	3,120	2,112	58.6
MR.:												
MT	379	216	154	56.9	(x)	(x)	(x)	(x)	364	175	189	51.8
ID	406	106	293	72.2	362	185	197	51.8	(x)	(x)	(x)	(x)
WY	167	41	146	78.3	(x)	(x)	(x)	(x)	181	90	91	50.3
CO	1,299	449	834	64.2	1,061	529	513	49.9	(x)	(x)	(x)	(x)
NM	509	141	361	71.9	(x)	(x)	(x)	(x)	480	310	160	63.2
AZ	(x)	(x)	(x)	(x)	663	341	522	60.5	1,124	651	473	57.9
UT	(x)	(x)	(x)	(x)	436	116	315	72.3	631	203	428	67.8
NV	(x)	(x)	(x)	(x)	282	131	117	50.0	337	176	161	52.1
Pac.:												
WA	4,213	2,541	1,672	55.4	1,337	677	661	50.7	1,655	815	840	50.8
OR	1,215	406	806	66.5	1,043	378	666	63.0	(x)	(x)	(x)	(x)
CA	(x)	(x)	(x)	(x)	7,399	3,647	3,542	49.3	6,895	4,060	4,835	54.4
AK	206	59	147	71.2	161	80	96	54.0	(x)	(x)	(x)	(x)
HI	(x)	(x)	(x)	(x)	329	242	87	73.6	315	246	87	78.7

X Not applicable. ¹ Includes vote cast for minor parties. ² Based on unofficial returns compiled by the News Election Service Source Congressional Quarterly Inc. Washington, DC, *Congressional Quarterly Weekly Report*, vol. 46, No. 48, Nov. 12, 1966 (Copyright). ³ Louisiana holds an open-primary election with candidates from all parties running on the same ballot. Any candidate who receives a majority is elected; if no candidate receives 50 percent, there is a run-off election in November between the top two finishers. ⁴ 1963 election to fill vacancy caused by death of Senator Jackson.

Source: Except as noted, Elections Research Center, Washington, DC, *America Votes*, biennial (Copyright).

NO. 415. VOTE CAST FOR UNITED STATES REPRESENTATIVES, BY MAJOR POLITICAL PARTIES— STATES: 1962 TO 1966

(In thousands, except percent. In each State, totals represent the sum of votes cast in each Congressional District or votes cast for Representative at Large in States where only one member is elected. In all years there are numerous districts within the State where either the Republican or Democratic party had no candidate. In some States the Republican and Democratic vote includes votes cast for the party candidate by endorsing parties. See also *Historical Statistics, Colonial Times to 1970*, series Y 211-214)

REGION, DIVISION, AND STATE	1962				1964				1966			
	Total ¹	Dem- ocratic	Re- pub- lican	Percent for lead- ing party	Total ¹	Dem- ocratic	Re- pub- lican	Percent for lead- ing party	Total ¹	Dem- ocratic	Re- pub- lican	Percent for lead- ing party
U.S. ²	84,814	36,888	27,798	D-55.3	83,391	43,888	36,988	D-52.3	86,818	32,546	38,832	D-54.6
Region:												
Northeast	14,836	8,124	6,240	D-55.5	19,179	10,118	8,918	D-52.8	12,406	6,820	5,363	D-55.0
Midwest	19,086	10,369	8,560	D-54.3	24,171	12,230	11,813	D-50.8	18,981	8,964	7,988	D-52.7
South ³	16,826	10,225	6,377	D-60.8	22,904	13,228	8,528	D-57.7	16,451	9,819	6,519	D-59.7
West	13,961	6,975	6,631	D-50.0	16,978	7,964	8,703	R-51.3	13,788	6,948	6,680	D-50.4
M. Eng.	4,180	2,380	1,730	D-57.3	5,388	2,822	2,486	D-53.2	3,841	2,122	1,433	D-58.3
ME	452	187	261	R-57.7	542	182	375	R-58.2	422	165	249	R-59.1
NH	269	114	154	R-57.3	373	119	251	R-57.2	241	84	156	R-54.9
VT	165	39	114	R-69.2	225	80	148	R-65.4	189	-	189	R-69.1
MA	1,900	1,300	581	D-58.8	2,346	1,518	704	D-60.0	1,503	1,198	280	D-79.7
RI	333	174	158	D-52.2	380	* 195	* 185	R-50.0	308	130	178	R-57.6
CT	1,071	577	485	D-53.9	1,432	688	762	R-53.2	980	545	434	D-55.8
Mid. Atl.	10,488	6,734	4,887	D-54.8	13,870	7,294	8,491	D-52.8	8,784	4,888	3,898	D-55.8
NY ⁴	4,881	2,617	1,940	D-55.9	6,218	3,255	2,898	D-52.4	3,904	2,132	1,885	D-54.6
NJ	2,148	1,208	915	D-56.2	2,992	1,608	1,471	D-50.4	1,554	803	739	D-51.7
PA	3,629	1,911	1,662	D-52.7	4,880	2,531	2,112	D-54.3	3,308	1,768	1,528	D-53.8
E. No. Cent.	12,884	7,221	5,836	D-56.8	18,818	8,417	8,119	D-58.7	11,388	5,888	5,391	D-52.6
OH	3,328	1,807	1,487	D-54.3	4,332	2,134	2,198	R-49.8	3,087	1,512	1,536	R-50.1
IN	1,796	882	910	R-50.7	2,180	1,022	1,147	R-52.6	1,566	788	756	D-50.7
IL	3,813	2,083	1,508	D-57.9	4,579	2,367	2,204	D-51.7	3,017	1,623	1,383	D-53.8
MI	2,808	1,570	1,093	D-59.4	3,452	1,891	1,567	D-53.9	2,327	1,242	977	D-57.7
WI	1,451	789	667	D-53.0	2,075	* 1,033	* 1,033	D-49.8	1,383	704	688	D-50.9
W. No. Cent.	8,884	3,148	2,816	D-51.7	7,888	3,813	3,708	D-50.5	6,831	2,888	2,837	D-53.8
MN	1,750	986	778	D-54.8	1,975	1,081	902	D-53.7	1,383	632	668	D-58.7
IA	1,005	529	475	D-52.6	1,289	688	673	R-53.1	880	428	461	R-51.9
MO	1,528	872	653	D-57.0	2,040	1,130	903	D-55.4	1,430	828	600	D-57.9
ND	280	187	72	D-71.8	309	243	88	D-78.7	286	216	67	D-75.5
SD	278	142	134	D-51.8	316	181	135	D-57.4	290	171	118	D-59.2
NE	519	116	402	R-77.5	650	188	482	R-74.2	555	197	358	R-64.5
KS	758	346	401	R-53.0	984	436	542	R-54.5	787	313	475	R-60.3
So. Atl. ⁵	6,967	4,960	3,346	D-58.2	11,488	6,414	6,888	D-48.8	8,884	4,881	3,288	D-60.2
DE	188	89	87	D-52.4	243	142	101	D-58.5	161	106	54	D-68.2
MD	1,081	743	348	D-68.1	1,485	985	506	D-63.9	1,083	688	394	D-62.9
DC	113	83	17	D-83.0	162	155	-	D-95.6	127	102	18	D-90.1
VA	1,335	830	580	R-51.7	1,838	796	1,003	R-54.8	1,043	545	467	D-52.2
WV	548	343	202	D-62.6	704	429	275	D-60.9	388	299	87	D-75.5
NC	1,321	708	580	D-53.8	2,188	1,131	1,088	D-52.4	1,573	880	682	D-56.6
SC	857	388	286	D-53.7	928	471	441	D-50.7	717	433	281	D-63.2
GA	904	570	226	D-74.1	1,521	1,081	430	D-71.7	1,082	773	289	D-72.6
FL ⁶	2,212	1,311	800	D-58.3	2,437	1,245	1,191	D-51.1	2,142	1,184	987	D-53.9
E. So. Cent.	3,478	2,188	1,283	D-62.0	4,822	2,738	1,783	D-60.3	3,378	2,088	1,346	D-68.4
KY	700	413	280	D-59.0	1,188	657	529	D-55.3	630	375	253	D-69.5
TN	1,178	688	470	D-58.4	1,318	728	588	D-55.2	1,105	638	448	D-57.6
AL	981	677	273	D-70.4	1,148	822	308	D-71.5	1,116	879	438	D-68.8
MS	841	388	280	D-57.5	889	523	327	D-60.2	524	318	206	D-60.3
W. So. Cent.	4,881	3,118	1,748	D-62.6	6,888	4,084	3,779	D-68.2	4,782	2,822	1,984	D-58.9
AR ⁷	758	387	382	D-52.4	883	341	91	D-73.7	686	387	288	D-58.1
LA ⁸	517	336	142	D-65.0	842	402	239	D-62.7	381	268	102	D-73.8
OK ⁹	858	538	310	D-63.0	1,111	648	458	D-58.1	728	430	291	D-59.4
TX	2,849	1,847	935	D-64.8	4,880	2,886	1,982	D-57.8	3,010	1,717	1,263	D-57.0
MT	3,873	1,878	1,828	R-53.8	4,527	1,873	2,778	R-61.3	3,748	1,881	2,142	R-67.2
MT	317	186	142	D-52.4	371	187	179	D-50.5	316	172	146	D-54.1
ID	321	151	170	R-53.0	405	185	240	R-59.3	378	183	208	R-55.4
WY	158	46	113	R-71.1	188	46	136	R-73.6	180	48	111	R-69.5
CO	948	448	485	R-51.2	1,248	438	780	R-62.5	1,016	460	886	R-55.6
NM	395	203	182	D-51.4	500	201	294	R-58.8	386	179	207	R-53.6
AZ	711	300	398	R-56.5	843	320	803	R-63.9	804	280	540	R-67.2
UT	480	145	312	R-63.7	801	208	387	R-64.5	429	187	230	R-53.6
NV	234	114	118	R-48.8	271	109	155	R-57.3	257	121	134	R-52.0
Pac.	10,388	5,402	4,706	D-52.8	12,451	6,282	5,827	D-50.5	10,838	5,388	4,838	D-53.4
WA	1,307	880	604	D-52.8	1,806	987	800	D-55.1	1,295	788	527	D-59.3
OR	1,015	578	437	D-58.8	1,203	655	548	D-54.4	1,032	586	446	D-56.7
CA	7,587	3,816	3,537	D-50.3	8,958	4,327	4,424	R-49.4	7,200	3,744	3,328	D-52.0
AK	181	52	128	R-70.8	208	88	114	R-55.0	180	74	102	R-58.5
HI	298	287	-	D-89.6	278	227	41	D-82.5	331	187	135	D-56.4

* Represents zero. ¹ Includes vote cast for minor parties. ² Includes vote cast for non-voting Delegates at Large in District of Columbia. ³ Total vote for Republican candidates was 195,077, for Democratic candidates, 194,942. ⁴ Includes votes cast by other endorsing parties for Democratic and Republican candidates. ⁵ Total vote for Democratic candidates was 1,033,033; for Republican candidates, 1,032,948. ⁶ State law does not require tabulation of votes for unopposed candidates. ⁷ In 1962 Districts 8, 10 and 17 were unopposed; in 1964 Districts 1, 2, 3, 5, 12, 13 and 17 were unopposed; in 1966 Districts 3, 4, 5, 7, 8, 15 and 17 were unopposed. ⁸ 1964, no data for District 3. ⁹ 1962 and 1964 data are for September open primary because there were no general election runoffs. 1966 data are for general election runoffs in two districts. 1966 open primary totals—total, 755,880; Democratic, 598,291; Republican, 148,007. ¹⁰ In 1966 District 6 was unopposed.

Source: Elections Research Center, Washington, DC, America Votes, biennial. (Copyright.)

NO. 416. VOTE CAST FOR UNITED STATES REPRESENTATIVES BY MAJOR POLITICAL PARTY— CONGRESSIONAL DISTRICTS: 1968

[Based on apparent winners as of Nov. 11, 1968. In some States the Democratic and Republican vote includes votes cast for the party candidate by endorsing parties.]

STATE AND DISTRICT	Total vote cast (1,000)	DEMOCRATIC CANDIDATE		REPUBLICAN CANDIDATE		STATE AND DISTRICT	Total vote cast (1,000)	DEMOCRATIC CANDIDATE		REPUBLICAN CANDIDATE	
		Name	Per- cent of total	Name	Per- cent of total			Name	Per- cent of total	Name	Per- cent of total
AL	1,198	(X)	00	(X)	00	CO	1,312	(X)	00	(X)	00
1st	182	Tyson	41	Callahan	58	1st	181	Schroeder	70	Wood	30
2d	115	(?)	(?)	Dickinson	94	2d	235	Slagge	63	Beth	37
3d	118	Nichols	91	(?)	(?)	3d	216	Campbell	78	Zarman	22
4th	122	Bevil	93	(?)	(?)	4th	213	Vogl	27	Brown	73
5th	184	Pippo	65	McDonald	35	5th	242	Michell	25	Hefley	75
6th	205	Erdreich	67	Caddis	33	6th	214	Ezzard	38	Scheeler	62
7th	200	Harris	68	Bacon	32	CT	1,333	(X)	00	(X)	00
AK	198	Gruenstein	37	Young	63	1st	228	Kennedy	77	Robles	23
AZ	1,977	(X)	00	(X)	00	2d	226	Gelden-son	64	Carberry	36
1st	265	Filmore	28	Rhodes	72	3d	216	Morrison	68	Pattin	32
2d	197	Udell	73	Sweeney	27	4th	202	Peerson	27	Shays	73
3d	245	Moss	29	Stump	71	5th	222	Marinan	28	Rowland	72
4th	200	(?)	(?)	Kyl	87	6th	235	Griffin	33	Johnson	67
5th	240	Belcher	32	Kolbe	68	DE	216	Carper	67	Krapf	33
AR	(NA)	(X)	00	(X)	00	FL	(NA)	(X)	00	(X)	00
1st	(NA)	Alexander	(NA)	(?)	(?)	1st	186	Hutto	88	Amburster	12
2d	170	Robinson	83	Carpenter	17	2d	(NA)	Grant	(NA)	(?)	(?)
3d	215	Stewart	25	Hammer-schmidt	75	3d	(NA)	Bennett	(NA)	(?)	(?)
4th	189	Anthony	66	Bell	31	4th	250	Chappell	50	James	50
CA	8,483	(X)	00	(X)	00	5th	(NA)	(?)	(?)	McCorm	(NA)
1st	216	Bosco	66	Vanderbilt	31	6th	251	Mills	47	McCorm	53
2d	223	Mayer	40	Hanger	60	7th	(NA)	Gibbons	(NA)	(?)	(?)
3d	246	Masul	71	Landowald	29	8th	231	Wimbish	27	Young	73
4th	(NA)	Fazio	(NA)	(?)	(?)	9th	(NA)	(?)	(?)	Bilalio	(NA)
5th	140	Pelosi	61	O'Neill	39	10th	212	Higginbot-ton	26	Ireland	74
6th	218	Boxer	74	Steinmetz	26	11th	271	Nelson	61	Tolley	39
7th	230	Miller	68	Last	31	12th	(NA)	(?)	(?)	Lewis	(NA)
8th	222	Delume	69	Cuddihy	31	13th	225	Conway	29	Goss	71
9th	200	Stark	73	Hertz	27	14th	315	Johnston	55	Adams	45
10th	154	Edwards	86	(?)	(?)	15th	200	Kurie	34	Shaw	66
11th	186	Lantos	75	Quisling	25	16th	216	Smith, I.	70	Smith, J.	30
12th	237	Eahoo	48	Campbell	52	17th	(NA)	Lahman	(NA)	(?)	(?)
13th	182	Mineta	68	Sommer	31	18th	(NA)	Papper	(NA)	(?)	(?)
14th	266	Malberg	37	Shumway	63	19th	177	Fasell	73	Roche-leau	27
15th	167	Coelho	71	Hamer	29	GA	(NA)	(X)	00	(X)	00
16th	214	Panetta	79	Monteth	21	1st	136	Thomas	67	Meredith	33
17th	172	Lavery	29	Pashayan	71	2d	137	Hatcher	62	Hudgens	38
18th	172	Lahman	70	Linn	30	3d	(NA)	Ray	(NA)	(?)	(?)
19th	214	Hart	49	Lagomar-sino	51	4th	246	Jones	60	Swindell	40
20th	214	Field	28	Thomas	72	5th	173	Lewis	78	Tibbs	22
21st	243	Stevens	30	Gallagher	70	6th	187	Worley	41	Gingrich	59
22d	215	Simmons	27	Moorhead	73	7th	208	Darden	65	Lamott	35
23d	213	Bellenson	68	Salomon	32	8th	(NA)	Rowland	(NA)	(?)	(?)
24th	142	Wozniak	75	Cowles	25	9th	191	Jenkins	63	Hoffman	37
25th	94	Roybal	65	(?)	(?)	10th	182	Barnard	64	Myers	36
26th	172	Berman	70	Broderick	30	HI	338	(X)	00	(X)	00
27th	203	Levine	70	Gallbraith	30	1st	173	Altman	44	Seld	56
28th	132	Dixon	60	Adams	20	2d	163	Akaka	89	(?)	(?)
29th	99	Hawkins	68	Franco	14	ID	386	(X)	00	(X)	00
30th	111	Martinez	62	Ramirez	38	1st	201	Givens	34	Craig	66
31st	132	Dymally	74	May	26	2d	194	Stallings	64	Watkins	36
32d	167	Anderson	69	Kahn	31	IL	(NA)	(X)	00	(X)	00
33d	201	Gentry	28	Dreier	72	1st	163	Hayes	66	Evans	4
34th	137	Torres	64	Houss	36	2d	159	Savage	82	Heapel	18
35th	245	Sweeney	28	Lewis	72	3d	208	Russo	62	McCarthy	38
36th	179	Brown	58	Stark	42	4th	182	Sengmels-ter	50	Davis	50
37th	249	Pearson	34	McCand-less	66	5th	151	Lipinski	61	Holowinski	39
38th	132	Yudeleon	37	Domen	63	6th	208	Andrie	26	Hyde	74
39th	211	Marquis	24	Danne-meyer	76	7th	(NA)	Collins	(NA)	(?)	(?)
40th	247	Lenney	31	Cox	69	8th	135	Rosten-kowski	75	Vetter	25
41st	255	Kripke	32	Lowery	68	9th	198	Yates	67	Sohn	33
42d	218	Kim-brough	34	Rohr-bacher	66	10th	219	Friedman	28	Porter	72
43d	257	Greene-baum	28	Packard	72	11th	199	Annunzio	64	Goldfarb	36
44th	137	Bates	62	Butterfield	38	12th	220	Leonardi	25	Crane	75
45th	205	Lapacopo	25	Hunter	75	13th	248	Craig	30	Fawell	70

See footnotes at end of table.

**NO. 416. VOTE CAST FOR UNITED STATES REPRESENTATIVES BY MAJOR POLITICAL PARTY—
CONGRESSIONAL DISTRICTS: 1966—Continued**

(See heading, p. 245)

STATE AND DISTRICT	Total vote cast (1,000)	DEMOCRATIC CANDIDATE		REPUBLICAN CANDIDATE		STATE AND DISTRICT	Total vote cast (1,000)	DEMOCRATIC CANDIDATE		REPUBLICAN CANDIDATE	
		Name	Percent of total	Name	Percent of total			Name	Percent of total	Name	Percent of total
IL—Con.						MA—Con.					
14th	216	Yushenko	26	Hastert	74	4th	241	Frank	70	Tucker	30
15th	195	Curl	28	Madigan	72	5th	218	Aldine	84	(1)	36
16th	201	Mahan	36	Martin	64	6th	253	Mavroules	70	McCarthy	30
17th	204	Evans	65	Stewart	35	7th	(NA)	Markay	(NA)	(1)	30
18th	209	Stephens	45	Michael	55	8th	205	Kennedy	80	Fiacus	20
19th	207	Bruce	64	Karans	36	9th	(NA)	Mockley	(NA)	(1)	30
20th	221	Durbin	69	Jurgens	31	10th	278	Studds	67	Bryan	33
21st	201	Costello	53	Gaffner	47	11th	210	Donnelly	61	Gillman	39
22d	215	Poshard	65	Kelley	35	MI	3,416	(x)	(x)	(x)	30
IN	2,092	(x)	(x)	(x)	(x)	1st	139	Conyers	92	Ashe	8
1st	179	Viclosky	77	Crum-	23	2d	218	Pollack	45	Pursell	55
				packer		3d	196	Wolpe	57	Allgater	43
2d	216	Sharp	53	Pence	47	4th	186	Rivers	29	Upton	71
3d	209	Ward	48	Hiler	52	5th	225	Catchick	27	Henry	73
4th	202	Long	38	Costa	62	6th	189	Carr	60	Schultz	40
5th	206	Jontz	56	Williams	44	7th	196	Kildee	76	Coed	24
6th	269	Holland	27	Burton	73	8th	194	Trader	72	Buhl	28
7th	213	Waterfall	39	Myers	61	9th	215	Gawron	31	Vander	
8th	229	McClos-				10th	207	Forbes	27	Schuetz	73
		key	62	Myers	38	11th	215	Ingh	40	Devis	60
9th	209	Hamilton	71	Costa	29	12th	195	Borior	54	Carl	46
10th	187	Jacobs	61	Cummings	39	13th	113	Crockett	89	Savage	11
IA	1,176	(x)	(x)	(x)	(x)	14th	180	Hertel	84	McNeely	16
1st	184	Guba	39	Leach	61	15th	161	Ford	65	Adams	35
2d	195	Tabor	43	Tauke	57	16th	195	Dingell	87	(1)	13
3d	203	Nagle	63	Radtke	37	17th	191	Levin	71	Fleeland	29
4th	214	Smith	72	Lunde	28	18th	251	Kohut	22	Broom-	
5th	183	Freund	35	Lightfoot	65					field	78
6th	195	O'Brien	36	Grandy	64	MIN	1,846	(x)	(x)	(x)	30
KS	(NA)	(x)	(x)	(x)	(x)	1st	227	Perry	70	Schriepf	30
1st	(NA)	(1)	(1)	Roberts	(NA)	2d	225	Peterson	42	Weber	58
2d	185	Slattery	73	Meinhardt	27	3d	315	Carlson	32	Frenzel	68
3d	203	Kunst	26	Meyers	74	4th	246	Vento	73	Mattland	27
4th	192	Glickman	64	Thompson	36	5th	234	Sabo	74	Gilbertson	26
5th	181	Barnes	30	Whittaker	70	6th	255	Sikorski	65	Ploetz	35
KY	(NA)	(x)	(x)	(x)	(x)	7th	222	Hanson	45	Stange-	
1st	123	Hubbard	95	(1)	(1)					land	55
2d	152	Nelohar	61	Tori	39	8th	222	Oberstar	75	Shuster	25
3d	159	Mazzoli	70	Dunnagan	30	MS	906	(x)	(x)	(x)	30
4th	194	Bellie	26	Gunning	74	1st	178	Whitson	78	Bush	22
5th	(NA)	(1)	(1)	Rogers	(NA)	2d	168	Espy	66	Coleman	34
6th	174	Pattin	28	Hopkins	72	3d	165	Montgom-			
7th	185	Parkins	59	Scott	41			ery	69	Bourland	11
LA	(NA)	(x)	(x)	(x)	(x)	4th	196	Perfar	55	Collins	45
1st	(x)	(x)	(x)	Living-	(x)	5th	181	Taylor	45	Smith	55
				ston		MO	2,082	(x)	(x)	(x)	30
2d	(x)	Boggs	(x)	(x)	(x)	1st	184	Clay	73	Schwan	27
3d	(x)	Tauzin	(x)	(x)	(x)	2d	278	Fagen-			
4th	(x)	(x)	(x)	McCreary	(x)			baum	33	Buechner	67
5th	(x)	Huckaby	(x)	(x)	(x)	3d	237	Gephardt	63	Hearne	37
6th	(x)	(x)	(x)	Baker	(x)	4th	231	Skatton	70	Eyerly	30
7th	(x)	Hayes	(x)	(x)	(x)	5th	210	Wheat	71	Lobb	29
8th	204	Williams	43	Holloway	57	6th	227	Hughes	41	Coleman	59
ME	848	(x)	(x)	(x)	(x)	7th	239	Bacon	47	Hancock	53
1st	300	Brennan	63	O'Meara	37	8th	201	Drye	42	Emerson	58
2d	245	Hayes	34	Snove	66	9th	235	Volkmer	68	Dudley	32
MD	(NA)	(x)	(x)	(x)	(x)	MT	383	(x)	(x)	(x)	30
1st	189	Dyeon	50	Gächreel	50	1st	189	Williams	61	Fenlason	39
2d	213	Barten-				2d	174	O'Brien	44	Martinez	56
		felder	29	Bentley	71	NE	842	(x)	(x)	(x)	30
3d	175	Cardin	73	Pierpont	27	1st	216	Jones	53	Bersuter	47
4th	179	McMillen	66	McClellan	34	2d	215	Hoagland	51	Schenken	49
				han		3d	211	Recek	21	Smith	79
5th	158	Hoyer	79	Salner	21	NV	336	(x)	(x)	(x)	30
6th	210	Byron	76	Halsey	24	1st	155	Bibbey	66	Lusk	34
7th	(NA)	Mitume	(NA)	(1)	(1)	2d	161	Spoo	42	Vucanov-	
8th	259	Franchot	37	Morella	63					vich	58
MA	(NA)	(x)	(x)	(x)	(x)	NH	435	(x)	(x)	(x)	30
1st	225	Anden	17	Conle	83	1st	215	Keele	40	Smith	60
2d	163	Neal	60	(1)	(1)	2d	208	Dorochee	43	Douglas	57
3d	(NA)	Early	(NA)	(1)	(1)						

See footnotes at end of table.

**NO. 416. VOTE CAST FOR UNITED STATES REPRESENTATIVES BY MAJOR POLITICAL PARTY—
CONGRESSIONAL DISTRICTS: 1966—Continued**

[See heading, p. 246]

STATE AND DISTRICT	Total vote cast (1,000)	DEMOCRATIC CANDIDATE		REPUBLICAN CANDIDATE		STATE AND DISTRICT	Total vote cast (1,000)	DEMOCRATIC CANDIDATE		REPUBLICAN CANDIDATE	
		Name	Percent of total	Name	Percent of total			Name	Percent of total	Name	Percent of total
RI	(NA)	(X)	(X)	(X)	(X)	OH	(NA)	(X)	(X)	(X)	(X)
1st	197	Florio	70	Cristoforo	30	1st	206	Luker	56	Chebot	44
2d	196	Hughes	67	Conover	33	2d	212	Sedgem	26	Gradison	72
3d	226	Pallone	52	Azzolina	47	3d	184	Hall	77	Crutcher	23
4th	224	Holland	33	Smith	67	4th	(NA)	(?)	(?)	Oxley	(NA)
5th	221	Monaco	24	Roukema	76	5th	204	Murray	36	Gilmor	61
6th	183	Dwyer	62	Stee	38	6th	205	Roberts	26	McEwen	74
7th	203	Hely	26	Rinaldo	75	7th	193	Schins	26	DeWine	74
8th	(NA)	Roe	(NA)	(?)	(?)	8th	202	Griffin	24	Lukens	76
9th	202	Torricelli	67	Lane	33	9th	193	Kaplan	79	Hawkins	21
10th	67	Payne	66	Webb	14	10th	200	Buchanan	26	Miller	72
11th	206	Shaw	30	Gallo	70	11th	202	Eckart	61	Musler	39
12th	232	Weinstein	30	Courter	70	12th	195	Brown	21	Kasich	79
13th	227	Smith	31	Saxton	69	13th	196	Pesce	70	Brown	30
14th	145	Guarini	70	Theomling	30	14th	189	Sawyer	75	Lang	25
RI	(NA)	(X)	(X)	(X)	(X)	15th	195	Froehlich	25	Wyle	75
1st	155	Udell	46	Schiff	52	16th	202	Gravely	21	Regula	79
2d	(NA)	(?)	(?)	(?)	(NA)	17th	210	Traficant	77	Lenz	23
3d	173	Richardson	72	Seitzer	28	18th	195	Applegate	78	Abraham	22
NY	(NA)	(X)	(X)	(X)	(X)	19th	237	Faughan	71	Roberts	29
1st	200	Hochbrueckner	51	Romaine	49	20th	177	Oskar	63	Sajna	17
2d	196	Downey	61	Cardina	39	21st	172	Stokes	65	Roski	15
3d	217	Mirzakh	57	Previti	41	OK	(NA)	(X)	(X)	(X)	(X)
4th	215	Goben	28	Lent	72	1st	197	Glassco	47	Inhole	53
5th	206	Kelly	33	McGrath	66	2d	210	Syner	65	Phillips	35
6th	106	Fiske	65	(?)	(?)	3d	(NA)	Watkins	(NA)	(?)	(?)
7th	(NA)	Ackerman	(NA)	(?)	(?)	4th	(NA)	McCurdy	(NA)	(?)	(?)
8th	(NA)	Scheuer	(NA)	(?)	(?)	5th	193	Montgomery	26	Edwards	72
9th	(NA)	Manton	(NA)	(?)	(?)	6th	168	English	73	Brown	27
10th	132	Schumer	76	Papierstein	18	OK	(NA)	(X)	(X)	(X)	(X)
11th	80	Towne	69	Hussain	9	1st	226	AuCoin	70	Molander	30
12th	76	Owens	63	Augustine	7	2d	194	Tuttle	36	Smith	62
13th	105	Solart	74	Curci	26	3d	(NA)	Wyden	(NA)	(?)	(?)
14th	180	O'Donovan	37	McInerney	63	4th	145	DeFazio	72	Howard	28
15th	163	Doukas	37	Green	61	5th	222	Kopetski	50	Smith	50
16th	106	Rangel	66	Licoline	2	PA	(NA)	(X)	(X)	(X)	(X)
17th	176	Weiss	84	Albert	16	1st	160	Foglietta	75	O'Brien	25
18th	79	Garza	92	Brown	7	2d	186	Gray	64	Hensch	6
19th	125	Engel	56	Blaggi	29	3d	206	Borski	63	Matthews	37
20th	167	Lowery	50	DiGuardi	46	4th	176	Koller	70	Johnston	30
21st	186	Grunberger	24	Fish	74	5th	187	Hadley	25	Schultz	77
22d	192	Burlingham	26	Gilman	71	6th	179	Yatron	64	Erwin	36
23d	232	Mohrly	62	Bakal	38	7th	229	Lander	32	Weldon	68
24th	219	Baye	26	Solomon	72	8th	221	Kostmayer	56	Howard	42
25th	(NA)	(?)	(?)	Boehrer	(NA)	9th	(NA)	(?)	(?)	Shuster	(NA)
26th	171	Raven-scroft	26	Martin	74	10th	191	Cordero	27	McDade	73
27th	215	Poofler	42	Walsh	57	11th	(NA)	Karjanski	(NA)	(?)	(?)
28th	145	McHugh	63	(?)	(?)	12th	(NA)	Murtha	(NA)	(?)	(?)
29th	191	Vogel	29	Horton	66	13th	226	Tomlin	33	Coughlin	67
30th	221	Slaughter	57	Bouchard	39	14th	171	Coyne	79	Calliguri	21
31st	215	Swartz	46	Paxon	54	15th	186	Reibman	48	Riner	57
32d	180	LaFalce	72	Everett	28	16th	184	Guyll	26	Walker	74
33d	(NA)	Nowak	(NA)	(?)	(?)	17th	(NA)	(?)	(?)	Gekas	(NA)
34th	130	(?)	(?)	Houghton	67	18th	217	Walgren	63	Newman	37
NC	(NA)	(X)	(X)	(X)	(X)	19th	186	Richey	23	Goodling	77
1st	181	Jones	65	Moye	35	20th	136	Gaydos	69	(?)	(?)
2d	(NA)	Valentine	(NA)	(?)	(?)	21st	179	Elder	22	Ridge	78
3d	(NA)	Lancaster	(NA)	(?)	(?)	22d	170	Murphy	72	Hodgkiss	28
4th	227	Price	56	Felzer	42	23d	166	Shakespeare	36	Clinger	62
5th	210	Neal	53	Gray	47	RI	376	(X)	(X)	(X)	(X)
6th	186	Gilmore	36	Coble	62	1st	182	German	44	Machtley	56
7th	154	Ross	66	Thompson	34	2d	194	Morgan-Paul	26	Schneider	72
8th	192	Helmer	51	Blanton	49	SC	662	(X)	(X)	(X)	(X)
9th	214	Sholander	34	McMiller	66	1st	154	Tilman	37	Ruveland	63
10th	163	Rhyme	36	Balkanger	61	2d	178	Levante	47	Spence	53
11th	215	Clark	50	Taylor	60	3d	154	Derrick	54	Jordan	46
MD	296	Dorgan	72	Sydnese	28	4th	173	Patterson	62	White	38
						5th	154	Spratt	70	Carley	30
						6th	150	Tallon	76	Cunningham	24

See footnotes at end of table.

**NO. 416. VOTE CAST FOR UNITED STATES REPRESENTATIVES BY MAJOR POLITICAL PARTY—
CONGRESSIONAL DISTRICTS: 1966—Continued**

[See heading, p. 245]

STATE AND DISTRICT	Total vote cast (1,000)	DEMOCRATIC CANDIDATE		REPUBLICAN CANDIDATE		STATE AND DISTRICT	Total vote cast (1,000)	DEMOCRATIC CANDIDATE		REPUBLICAN CANDIDATE	
		Name	Per- cent of total	Name	Per- cent of total			Name	Per- cent of total	Name	Per- cent of total
SD	312	Johnson	72	Volt	28	UT	998	DO	DO	DO	DO
TN	(NA)	(X)	(X)	(X)	(X)	1st	218	McKay	40	Hansen	60
1st	149	Smith	20	Oulton	80	2d	182	Owens	58	Snelgrove	42
2d	177	Taylor	44	Duncan	56	3d	180	Stringham	52	Nelson	48
3d	189	Lloyd	57	Coker	43	VT	286	Polar	19	Smith	81
4th	(NA)	Cooper	(NA)	(?)	(?)	VA	(NA)	(X)	(X)	(X)	(X)
5th	(NA)	Clement	(NA)	(?)	(?)	1st	188	Ellenson	27	Bateman	73
6th	181	Gordon	77	Embry	23	2d	170	Pickett	63	Cuny	37
7th	177	Blood- worth	20	Sundquist	80	3d	(NA)	(?)	(?)	Bliley	(NA)
8th	160	Tennar	63	Bryant	37	4th	(NA)	Staley	(NA)	(?)	(?)
9th	155	Ford	82	(?)	(?)	5th	178	Payne	55	Hawkins	45
TX	(NA)	(X)	(X)	(X)	(X)	6th	165	Olin	64	Judd	36
1st	201	Chapman	62	McQueen	38	7th	(NA)	(?)	(?)	Slaughter	(NA)
2d	145	Wilson	86	(?)	(?)	8th	248	Bridley	36	Parie	64
3d	284	Cowden	18	Bartlett	82	9th	178	Boucher	63	Brown	37
4th	207	Hall	67	Sutton	33	10th	278	Weinberg	22	Wolf	78
5th	147	Bryant	61	Williams	39	WA	(NA)	(X)	(X)	(X)	(X)
6th	242	Kendrick	32	Barton	68	1st	251	Undquist	45	Keller	55
7th	233	Richards	21	Archer	79	2d	(NA)	Swift	(NA)	(?)	(?)
8th	(NA)	(?)	(?)	Fields	100	3d	196	Unsoeld ^a	50	Wright	50
9th	(NA)	Brooks	(NA)	(?)	(?)	4th	198	Golob	26	Montan	74
10th	229	Pickie	95	(?)	(?)	5th	191	Foley	77	Darby	23
11th	134	Leeth	95	(?)	(?)	6th	149	Dicks	88	Cook	12
12th	(NA)	Wright	(NA)	(?)	(?)	7th	208	McDer- mot	77	Edwards	23
13th	187	Serpikus	53	Winer	47	8th	221	Kean	29	Chandler	71
14th	207	Laughlin	54	Sweeney	46	WV	(NA)	DO	DO	DO	DO
15th	125	De La Garza	85	(?)	(?)	1st	159	Molichan	74	Tuck	26
16th	(NA)	Coleman	(NA)	(?)	(?)	2d	(NA)	Staggins	(NA)	(?)	(?)
17th	(NA)	Stenholm	(NA)	(?)	(?)	3d	160	Wise	74	Hart	26
18th	84	Leland	83	(?)	(?)	4th	127	Rahall	81	Brewster	19
19th	167	McCath- ern	22	Combest	78	WI	(NA)	DO	DO	DO	DO
20th	131	Gonzalez	72	Trevino	28	1st	200	Aspin	78	Weaver	22
21st	203	(?)	(?)	Smith	88	2d	258	Kasten- meier	58	Harvey	42
22d	184	Walker	32	DeLay	68	3d	280	Krueger	32	Gund- son	68
23d	171	Busta- mante	89	Gordales	11	4th	(NA)	Kiecuka	(NA)	(?)	(?)
24th	129	Frost	88	(?)	(?)	5th	219	Moody	84	Barnhill	16
25th	157	Andrews	72	Loeffler	28	6th	224	Garrett	26	Petri	74
26th	279	Reyes	31	Amey	69	7th	228	Obey	62	Herman- ing	38
27th	(NA)	Ortiz	(NA)	(?)	(?)	8th	240	Barton	30	Roth	70
						9th	247	Hickey	26	Sensen- brenner	74
						WV	178	Sherratt	32	Cheney	68

NA Not available. X Not applicable. ¹ No candidate. ² The winning Republican candidate received 125,384 votes; the Democratic candidate, 124,887. ³ The winning Democratic candidate received 81,282 votes; the Republican candidate, 80,848.

⁴ Louisiana holds an open-primary election with candidates from all parties running on the same ballot. Any candidate who receives a majority is elected; if no candidate receives 50 percent, there is a run-off election in November between the top two finishers. ⁵ Candidate listed won seat in open-primary. ⁶ The winning Democratic candidate received 85,411 votes; the Republican candidate, 93,980. ⁷ The winning Democratic candidate received 108,438 votes; the Republican candidate, 108,897. ⁸ The winning Republican candidate received 111,167 votes; the Democratic candidate, 110,487. ⁹ The winning Democratic candidate received 100,607 votes; the Republican candidate, 88,845.

Source: Congressional Quarterly, Inc., Washington, DC, *Congressional Quarterly Weekly Report*, vol. 48, No. 48, Nov. 12, 1966, (Copyright.)

NO. 417. REPRESENTATIVES ELECTED, BY PERCENT OF VOTE CAST FOR WINNER AND MAJOR PARTY, 1970 TO 1986, AND BY STATE, 1986

[For composition of regions, see fig. 1, inside front cover]

YEAR, REGION, DIVISION, AND STATE	TOTAL REPRESENTATIVES ELECTED				DEMOCRATS ELECTED				REPUBLICANS ELECTED				REPRESENTATIVES ELECTED WITH NO MAJOR PARTY OPPOSITION		
	Total	Percentage of vote			Total	Percentage of vote			Total	Percentage of vote			Total	Demo- crats	Republi- cans
		Under 55	55- 59.9	60 and over		Under 55	55- 59.9	60 and over		Under 55	55- 59.9	60 and over			
1970	435	59	64	312	255	28	26	201	180	31	38	111	63	58	5
1972	435	67	60	308	242	28	29	185	192	38	31	123	54	48	8
1974	435	105	69	261	291	48	34	209	144	57	35	52	80	58	1
1976	435	79	62	297	292	52	32	208	143	24	30	89	52	46	6
1978	435	74	61	300	277	46	36	195	158	26	25	105	70	51	18
1980	435	78	63	294	243	35	35	173	192	43	28	121	54	39	15
1982	435	79	73	286	269	40	33	198	166	35	40	90	56	46	10
1984	435	58	58	321	253	33	38	182	182	25	18	139	68	54	14
1986, total	435	46	41	348	258	22	18	218	177	34	22	190	75	57	18
Region:															
Northeast	95	6	10	79	55	3	4	48	40	3	6	31	21	18	3
Midwest	113	16	10	87	62	7	8	45	51	9	4	38	8	4	4
South	142	16	12	114	96	7	8	83	46	9	6	31	44	34	10
West	85	8	9	68	45	5	2	38	40	3	7	30	2	1	1
N. Eng.	24	2	2	20	18	1	1	13	9	1	1	7	8	7	1
ME	2	1	-	1	1	1	-	-	1	-	-	1	-	-	-
NH	2	-	1	1	-	-	-	-	2	-	-	1	-	-	-
VT	1	-	-	1	-	-	-	-	1	-	-	1	-	-	1
MA	11	-	-	11	10	-	-	10	1	-	-	1	7	7	-
RI	2	-	1	1	1	-	1	-	1	-	-	1	-	-	-
CT	6	1	-	5	3	-	-	3	5	1	-	2	-	-	-
Mid. Atl.	71	4	8	59	40	2	9	36	31	2	6	24	19	11	3
NY	34	4	3	27	20	2	1	17	14	2	2	10	7	6	1
NJ	14	-	-	13	8	-	1	7	6	-	-	6	1	1	-
PA	23	-	4	19	12	-	1	11	11	-	3	8	5	4	1
E. No. Cent.	80	15	8	65	46	8	4	36	34	4	1	29	6	3	2
OH	21	2	-	19	11	2	2	9	10	-	-	10	2	1	1
IN	10	3	1	6	6	2	1	3	4	1	-	3	-	-	-
IL	22	4	1	17	13	3	1	10	9	2	-	7	1	-	1
Mi	18	1	2	15	11	-	1	10	7	1	1	5	-	-	-
WI	9	-	1	8	5	-	1	4	4	-	-	4	3	2	1
W. No. Cent.	33	4	6	22	16	1	2	13	17	5	3	9	2	1	1
MN	8	2	-	6	5	-	-	5	3	2	-	1	-	-	-
IA	6	2	1	3	2	1	-	1	4	1	1	2	-	-	-
MO	9	2	2	5	5	-	1	4	4	2	1	1	1	1	-
ND	1	-	-	1	1	-	-	-	-	-	-	-	-	-	-
SD	1	-	1	-	1	-	1	-	-	-	-	-	-	-	-
NE	3	-	1	2	2	-	-	-	3	-	1	2	-	-	-
KS	5	-	-	5	2	-	-	2	3	-	-	3	1	-	1
S. Atl.	48	11	6	32	48	5	2	41	21	4	4	11	18	14	6
DE	1	-	-	1	1	-	-	-	-	-	-	-	-	-	-
MD	8	2	1	5	6	1	-	5	2	1	1	-	-	-	-
VA	10	1	1	8	5	1	-	4	5	-	1	4	4	3	1
WV	4	-	-	4	4	-	-	4	-	-	-	-	1	-	-
NC	11	4	3	4	8	2	2	4	3	2	1	-	-	-	-
SC	6	3	-	3	4	1	-	3	2	2	-	-	1	1	-
GA	10	1	1	8	8	-	-	8	2	1	1	-	4	4	-
FL	19	-	-	19	12	-	-	12	7	-	-	7	6	5	4
E. So. Cent.	29	2	3	23	16	2	2	16	8	-	1	8	7	6	2
KY	7	-	1	6	4	-	-	4	3	-	1	3	3	2	1
TN	9	1	1	7	6	1	1	4	3	-	-	3	2	2	-
AL	7	-	1	6	5	-	1	4	2	-	-	2	1	-	1
MS	5	1	-	4	4	1	-	3	1	-	-	1	1	1	-
W. So. Cent.	44	3	3	38	29	-	2	27	18	3	1	12	18	15	3
AR	4	-	-	4	3	-	-	3	1	-	-	-	-	-	-
LA	8	1	1	6	5	-	1	4	3	1	-	2	7	5	2
OK	6	1	-	5	4	-	-	4	2	1	-	1	1	1	-
TX	27	1	2	24	17	-	1	16	10	1	1	8	10	9	1
Mid.	34	1	2	19	9	4	1	4	16	2	1	12	9	-	-
MT	2	1	-	1	1	-	-	-	1	-	-	-	-	-	-
ID	2	1	-	1	1	1	-	-	1	-	-	1	-	-	-
WY	1	-	-	1	-	-	-	-	-	-	-	1	-	-	-
CO	6	2	-	4	3	2	-	1	3	-	-	3	-	-	-
NM	3	-	-	3	1	-	-	1	2	-	-	2	-	-	-
AZ	3	-	-	3	1	-	-	1	4	-	-	4	1	-	1
UT	3	1	1	1	1	-	1	-	2	1	-	1	-	-	-
NV	2	1	1	-	1	1	-	-	1	-	1	-	-	-	-
Pac.	81	2	7	62	36	1	1	34	25	1	6	18	1	1	-
WA	8	1	-	7	5	-	-	5	3	1	-	2	-	-	-
OR	5	1	-	4	3	1	-	2	2	-	-	2	-	-	-
CA	45	-	5	40	27	-	1	26	18	-	4	14	1	1	-
AK	1	-	1	-	-	-	-	-	1	-	1	-	-	-	-
HI	2	-	1	1	1	-	-	1	1	-	1	-	-	-	-

- Represents zero. * Includes one Representative elected as an independent. † Run off election between two Democratic candidates; no Republican candidate.

Source: Compiled by U.S. Bureau of the Census from Congressional Quarterly, Inc., Washington, DC, Congressional Quarterly Weekly Report, vol. 45, No. 11, March 14, 1987 and previous issues (copyright).

No. 418. COMPOSITION OF CONGRESS, BY POLITICAL PARTY: 1961 TO 1988

[D=Democratic, R=Republican. Data for beginning of first session of each Congress. Excludes vacancies at beginning of session.
See also *Historical Statistics, Colonial Times to 1970*, series Y 204-210]

YEAR	Party and President	Congress	HOUSE			SENATE		
			Majority party	Minority party	Other	Majority party	Minority party	Other
1961.....	D (Kennedy).....	87th.....	D-283	R-174	-	D-65	R-35	-
1963.....	D (Kennedy).....	88th.....	D-258	R-177	-	D-67	R-33	-
1965.....	D (Johnson).....	89th.....	D-295	R-140	-	D-68	R-32	-
1967.....	D (Johnson).....	90th.....	D-247	R-167	-	D-64	R-36	-
1969.....	R (Nixon).....	91st.....	D-243	R-192	-	D-57	R-43	-
1971 ¹	R (Nixon).....	92d.....	D-254	R-190	-	D-54	R-44	2
1973 ^{1 2}	R (Nixon).....	93d.....	D-239	R-192	1	D-56	R-42	2
1975 ³	R (Ford).....	94th.....	D-291	R-144	-	D-60	R-37	2
1977 ⁴	D (Carter).....	95th.....	D-292	R-143	-	D-61	R-38	1
1979 ⁴	D (Carter).....	95th.....	D-276	R-157	-	D-58	R-41	1
1981 ⁴	R (Reagan).....	97th.....	D-243	R-192	-	R-53	D-46	1
1983.....	R (Reagan).....	98th.....	D-269	R-186	-	R-54	D-46	-
1985.....	R (Reagan).....	98th.....	D-252	R-182	-	R-53	D-47	-
1987.....	R (Reagan).....	100th.....	D-269	R-177	-	D-55	R-45	-
1989 ⁵	R (Bush).....	101st.....	D-269	R-175	-	D-55	R-45	-

- Represents zero. ¹ Senate had 1 Independent and 1 Conservative-Republican. ² House had 1 Independent-Democrat.
³ Senate had 1 Independent, 1 Conservative-Republican, and 1 undecided (New Hampshire). ⁴ Senate had 1 Independent.
⁵ Based on apparent winners as of Nov. 11, 1988. Source: Congressional Quarterly, Inc., Washington, DC, *Congressional Quarterly Weekly Report*, vol. 45, No. 46, Nov. 12, 1988.

Source: Except as noted, U.S. Congress, Joint Committee on Printing, *Congressional Directory*, annual; beginning 1977, biennial.

No. 419. U.S. CONGRESS—MEASURES INTRODUCED AND ENACTED AND TIME IN SESSION:
1971 TO 1987

[Excludes simple and concurrent resolutions. See also *Historical Statistics, Colonial Times to 1970*, series Y 189-198]

ITEM	92d Cong., 1971-72	93d Cong., 1973-74	94th Cong., 1975-76	96th Cong., 1977-78	98th Cong., 1979-80	97th Cong., 1981-82	98th Cong., 1983-84	89th Cong., 1985-86	100th Cong., 1987
Measures introduced.....	22,966	23,396	21,096	19,367	12,583	11,490	11,156	9,885	6,514
Bills.....	21,363	21,950	19,782	18,045	11,722	10,582	10,134	8,697	5,836
Joint resolutions.....	1,606	1,446	1,334	1,342	661	908	1,022	1,186	676
Measures enacted.....	788	774	729	603	736	529	677	483	249
Public.....	607	651	588	633	613	473	623	466	242
Private.....	161	123	141	170	123	56	54	17	7
HOUSE OF REPRESENTATIVES									
Number of days.....	296	318	311	323	326	303	266	281	(NA)
Number of hours.....	1,429	1,487	1,768	1,896	1,676	1,420	1,705	1,794	(NA)
Number of hours per day.....	4.8	4.7	5.7	5.9	5.8	4.7	6.4	6.4	(NA)
SENATE									
Number of days.....	348	334	380	337	333	312	281	313	(NA)
Number of hours.....	2,294	2,028	2,210	2,510	2,324	2,158	1,951	2,531	(NA)
Number of hours per day.....	6.6	6.1	6.9	7.4	7.0	6.9	6.9	6.1	(NA)

NA Not available.
Source: U.S. Congress, *Calendars of the U.S. House of Representatives and History of Legislation*, annual; and Ornstein, Norman J., Thomas E. Mann, and Michael J. Malbin, *Vital Statistics on Congress, 1967-1986*, American Enterprise Institute, Washington, DC 1987. (Copyright.)

No. 420. CONGRESSIONAL BILLS VETOED: 1961 TO 1987

[See also *Historical Statistics, Colonial Times to 1970*, series Y 199-203]

PERIOD	President	Total vetoes	Regular vetoes	Pocket vetoes	Vetoes sustained	Bills passed over veto
1961-1963.....	Kennedy.....	21	12	9	21	-
1963-1969.....	Johnson.....	30	16	14	30	-
1969-1974.....	Nixon.....	42	24	18	36	6
1974-1977.....	Ford.....	72	53	19	60	12
1977-1981.....	Carter.....	31	13	18	29	2
1981-1987.....	Reagan.....	62	34	28	54	8

- Represents zero.
Source: U.S. Congress, Senate Library, *Presidential Vetoes . . . 1789-1988*; U.S. Congress, *Calendars of the U.S. House of Representatives and History of Legislation*, annual.

No. 421. COMPOSITION OF CONGRESS, BY POLITICAL PARTY AFFILIATION—STATES: 1983 TO 1989

[Figures are for the beginning of the first session. Dem.—Democratic; Rep.—Republican. For composition of regions, see fig. 1, inside front cover]

REGION, DIVISION, AND STATE	REPRESENTATIVES								SENATORS							
	98th Cong. ¹ 1983		99th Cong. ² 1985		100th Cong. 1987		101st Cong. ³ 1989		98th Cong. 1983		99th Cong. 1985		100th Cong. 1987		101st Cong. ³ 1989	
	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.
U.S.	266	165	252	162	265	177	266	175	46	54	53	53	56	46	55	46
Region:																
Northeast	58	37	54	41	55	40	55	40	9	6	9	9	9	9	10	6
Midwest	62	51	61	51	62	51	64	49	10	14	12	12	13	11	13	11
South	103	39	99	49	95	46	96	46	18	14	18	14	23	9	22	10
West	43	38	44	41	45	40	45	40	9	17	8	18	10	10	10	16
N. Eng.	16	8	14	10	15	9	14	10	6	6	6	6	6	6	7	6
ME	—	2	—	2	1	1	1	1	1	1	1	1	1	1	1	1
NH	1	1	—	2	—	2	—	2	—	2	—	2	—	2	—	2
VT	—	1	—	1	—	1	—	1	1	1	1	1	1	1	1	1
MA	10	1	10	1	10	1	10	1	2	—	2	—	2	—	2	—
Ri	1	1	1	1	1	1	—	2	1	1	1	1	1	1	1	1
CT	4	2	3	3	3	3	3	3	1	1	1	1	1	1	2	—
Mid. Atl.	42	39	40	31	41	31	41	30	9	9	8	8	8	8	9	9
NY	20	14	19	15	—	14	21	13	1	1	1	1	1	1	1	1
NJ	8	5	8	6	6	6	8	6	2	—	2	—	2	—	2	—
PA	13	10	13	10	12	11	12	11	—	2	—	2	—	2	—	2
E. No. Cent.	44	35	44	35	45	34	47	33	8	4	7	3	7	3	7	3
OH	10	11	11	10	11	10	11	10	2	—	2	—	2	—	2	—
IN	5	5	4	5	6	4	6	4	—	2	—	2	—	2	—	2
IL	12	10	13	9	13	9	14	8	1	1	2	—	2	—	2	—
MI	12	6	11	7	11	7	11	7	2	—	2	—	2	—	2	—
WI	5	4	5	4	5	4	5	4	1	1	1	1	1	1	1	1
W. No. Cent.	18	15	17	16	16	17	17	16	4	10	5	9	8	8	6	6
MN	5	3	5	3	5	3	5	3	—	2	—	2	—	2	—	2
IA	3	3	2	4	2	4	2	4	—	2	—	2	—	2	—	2
MO	6	3	6	3	6	4	5	4	1	1	1	1	1	1	1	1
ND	1	—	1	—	1	—	1	—	1	1	1	1	1	1	1	1
SD	1	—	1	—	1	—	1	—	—	2	—	2	—	2	—	2
NE	—	3	—	3	—	3	1	2	2	—	2	—	2	—	2	—
KS	2	2	2	3	2	3	2	3	—	2	—	2	—	2	—	2
S. Atl.	50	19	48	25	46	21	47	22	7	8	7	6	11	5	11	5
DE	1	—	1	—	1	—	1	—	1	1	1	1	1	1	1	1
MD	7	1	6	2	6	2	6	2	1	1	1	1	1	—	2	—
VA	4	6	4	6	5	5	5	5	—	2	—	2	—	2	—	2
WV	4	—	4	—	4	—	4	—	2	—	2	—	2	—	2	—
NC	9	2	8	5	9	3	8	3	—	2	—	2	—	2	—	2
SC	3	3	3	3	4	2	4	2	1	1	1	1	1	1	1	1
GA	9	1	8	2	8	2	9	1	1	1	1	1	1	—	2	—
FL	13	6	12	7	12	7	10	6	1	1	1	1	2	—	1	1
E. So. Cent.	16	10	16	10	16	8	16	8	5	3	5	3	6	2	5	3
KY	4	3	4	3	4	3	4	3	2	—	2	—	2	—	2	—
TN	6	3	6	3	6	3	6	3	1	1	2	—	2	—	2	—
AL	5	2	5	2	5	2	5	2	1	1	1	1	2	—	2	—
MS	3	2	3	2	4	1	4	1	1	1	1	1	1	1	—	2
W. So. Cent.	35	10	31	14	29	16	30	16	6	2	6	2	6	2	6	2
AR	2	2	3	1	3	1	3	1	2	—	2	—	2	—	2	—
LA	6	2	6	2	5	3	4	4	2	—	2	—	2	—	2	—
OK	5	1	5	1	4	2	4	2	1	1	1	1	1	1	1	1
TX	22	5	17	10	17	10	19	6	1	1	1	1	1	1	1	1
SW	8	15	7	17	9	15	9	15	5	11	5	11	6	10	6	10
MT	1	1	1	1	1	1	1	1	2	—	2	—	2	—	2	—
ID	—	2	1	1	1	1	1	1	—	2	—	2	—	2	—	2
WY	—	1	—	1	—	1	—	1	—	2	—	2	—	2	—	2
CO	3	2	2	4	3	3	3	3	1	1	1	1	1	1	1	1
NM	1	2	1	2	1	2	1	2	1	1	1	1	1	1	1	1
AZ	2	3	1	4	1	4	1	4	1	1	1	1	1	1	1	1
UT	—	3	—	3	1	2	1	2	—	2	—	2	—	2	—	2
NV	1	1	1	1	1	1	1	1	—	2	—	2	—	2	—	2
Pac.	36	23	27	24	26	25	26	25	4	6	3	7	4	6	4	6
WA	5	3	5	3	5	3	5	3	1	1	—	2	1	1	1	1
OR	3	2	3	2	3	2	3	2	—	2	—	2	—	2	—	2
CA	26	17	27	18	27	16	27	16	1	1	1	1	1	1	1	1
AK	—	1	—	1	—	1	—	1	—	2	—	2	—	2	—	2
HI	2	—	2	—	1	1	1	1	2	—	2	—	2	—	2	—

— Represents zero. ¹ Colorado had one vacancy. ² Indiana had one vacancy. ³ Based on apparent winners as of Nov. 11, 1988. Source: Congressional Quarterly, Inc., Washington, DC, *Congressional Quarterly Weekly Report*, vol. 48, No. 48, Nov. 12, 1988. (Copyright.)

Source: Except as noted, U.S. Congress, Joint Committee on Printing, *Congressional Directory*, biennial; and unpublished data.

NO. 422. MEMBERS OF CONGRESS—INCUMBENTS RE-ELECTED: 1962 TO 1986

ITEM	PRESIDENTIAL-YEAR ELECTIONS						MIDTERM ELECTIONS						
	1964	1966	1972	1974	1980	1984	1962	1966	1970	1974	1978	1982	1986
Representatives:													
Incumbent candidates	397	409	390	384	398	411	402	411	401	391	382	393	394
Re-elected	344	366	365	366	351	362	366	362	379	343	358	364	385
Percent of candidates	86.6	90.8	93.8	95.6	90.7	88.3	91.5	88.1	94.5	87.7	93.7	90.1	97.7
Defeated: In primaries	8	4	12	3	8	3	12	8	10	8	5	10	3
In general elections	45	9	13	15	31	16	22	41	12	40	19	29	8
Senators:													
Incumbent candidates	33	29	27	25	29	39	36	32	31	27	26	30	26
Re-elected	28	20	20	19	19	28	29	28	24	23	16	28	21
Percent of candidates	84.8	71.4	74.1	64.0	55.2	69.7	62.6	67.5	71.4	65.2	60.0	93.3	75.0
Defeated: In primaries	1	4	2	—	4	—	1	3	1	2	3	—	—
In general elections	4	4	5	9	9	3	5	1	6	2	7	2	7

— Represents zero. ¹ Six incumbents defeated in primaries by other incumbents due to redistricting.

Source: Congressional Quarterly, Inc., Washington, DC, *Congressional Quarterly Weekly Report*, vol. 44, No. 45, Nov. 8, 1988. (Copyright.)

NO. 423. MEMBERS OF CONGRESS—SELECTED CHARACTERISTICS: 1975 TO 1989

[As of beginning of first session of each Congress. Figures for Representatives exclude vacancies.]

MEMBERS OF CONGRESS AND YEAR	Male	Female	Black	AGE (in years)						SENATORIAL ¹				
				Under 40	40-49	50-59	60-69	70-79	80 and over	Less than 2 years	2-9 years	10-19 years	20-29 years	30 years or more
REPRESENTATIVES														
94th Cong., 1975	416	19	15	60	136	137	75	14	2	96	182	125	42	10
95th Cong., 1977	417	18	16	61	121	147	71	15	-	71	207	116	33	6
96th Cong., 1979	417	16	16	56	125	145	63	14	-	60	206	105	32	10
97th Cong., 1981	416	19	17	64	142	132	54	12	1	77	231	98	23	8
98th Cong., 1983	413	21	21	66	146	132	57	13	1	83	224	88	26	11
99th Cong., 1985	412	22	20	71	154	131	58	17	2	49	237	104	34	10
100th Cong., 1987	412	23	23	63	153	137	56	24	2	51	221	114	37	12
101st Cong., 1989 ²	410	26	24	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
SENATORS														
94th Cong., 1975 ²	100	-	1	5	21	35	24	15	-	17	41	34	10	4
95th Cong., 1977	100	-	1	6	26	35	21	10	2	18	41	24	12	5
96th Cong., 1979	99	1	-	10	31	33	17	8	1	20	41	23	12	4
97th Cong., 1981	98	2	-	8	35	36	14	6	-	19	61	17	11	2
98th Cong., 1983	98	2	-	7	28	39	20	3	3	5	61	21	10	3
99th Cong., 1985	96	2	-	4	27	36	25	4	2	6	56	27	7	2
100th Cong., 1987	96	2	-	5	30	36	22	5	2	14	41	36	7	2
101st Cong., 1989 ²	96	2	-	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

— Represents zero. NA Not available. ¹ Represents consecutive years of service. ² Includes Senator Durkin, NH, seated Sept. 1975. ³ Based on apparent winners as of Nov. 11, 1988. Source: Congressional Quarterly, Inc., Washington, DC, *Congressional Quarterly Weekly Report*, vol. 48, No. 48, Nov. 12, 1988.

Source: Except as noted, compiled by U.S. Bureau of the Census from data published in *Congressional Directory*, biennial.

NO. 424. CONGRESSIONAL STAFF, BY LOCATION OF EMPLOYMENT: 1957 TO 1987

[Excludes those persons employed in Congressional support agencies such as the U.S. General Accounting Office, the Library of Congress, and the Congressional Budget Office]

YEAR	PERSONAL STAFF		YEAR	STANDING COMMITTEE STAFF		LOCATION OF EMPLOYMENT	1979	1981	1983	1985	1987
	House	Senate		House	Senate						
1957	2,441	1,115	1960	440	470	Total...	16,803	17,422	17,959	18,138	(NA)
1967	4,055	1,749	1965	571	509	House of Representatives	10,743	11,217	11,537	11,836	11,706
1972	5,280	2,426	1970	702	635	Committee staff ²	2,027	1,917	2,068	2,146	2,161
1978	6,939	3,251	1976	1,680	1,201	Personal staff	7,067	7,487	7,808	7,526	7,515
1977	6,942	3,554	1977	1,778	1,026	Leadership staff	162	127	135	144	174
1978	6,944	3,268	1978	1,844	1,151	Officers of House, staff	1,487	1,666	1,728	1,616	1,858
1979	7,067	3,593	1979	1,909	1,289	Senate	5,922	6,079	6,303	6,369	(NA)
1980	7,371	3,746	1980	1,917	1,191	Committee staff ²	1,410	1,150	1,176	1,176	1,040
1981	7,487	3,945	1981	1,843	1,022	Personal staff	3,583	3,945	4,069	4,097	4,075
1982	7,511	4,041	1982	1,839	1,047	Leadership staff	91	106	120	116	116
1983	7,606	4,059	1983	1,970	1,075	Officers of Senate, staff	828	878	945	976	(NA)
1984	7,385	3,949	1984	1,944	1,095	Joint committee staff	136	126	133	131	130
1985	7,528	4,097	1985	2,009	1,080						
1986	7,820	3,774	1986	1,954	1,075						
1987	7,515	4,075	1987	(NA)	(NA)						

NA Not available. ¹ House figure is average for year and Senate figure only covers period following implementation of Gramm-Rudman budget reductions. ² Covers standing, select and special committees.

Source: 1967-1986, Ornstein, Norman J., Thomas E. Mann, and Michael J. Malbin, *Vital Statistics on Congress, 1987-1988*, American Enterprise Institute, Washington, DC, 1987. (Copyright.) 1987, Congressional Quarterly, Inc., Washington, DC, based on data supplied by Congressional Research Service.

No. 425. NUMBER OF GOVERNORS, BY POLITICAL PARTY AFFILIATION: 1900 TO 1988

(Reflects results of elections in previous year and holdover incumbents)

Year	Democrat	Republican	Year	Democrat	Republican	Independent	Year	Democrat	Republican
1900	34	16	1970	18	32	-	1980	31	19
1901	34	16	1971	29	21	-	1981	27	23
1902	34	16	1972	30	20	-	1982	27	23
1903	34	16	1973	31	19	-	1983	34	16
1904	34	16	1974	32	18	-	1984	35	15
1905	33	17	1975	36	13	1	1985	34	16
1906	33	17	1976	36	13	1	1986	34	16
1907	25	26	1977	37	12	1	1987	26	24
1908	24	26	1978	37	12	1	1988	27	23
1909	20	30	1979	32	18	-			

Represents zero.

Source: National Governors' Association, Washington, DC, *Directory of Governors of the American States, Commonwealths & Territories*, annual. (Copyright.)

No. 426. VOTE CAST FOR AND GOVERNOR ELECTED, BY STATE: 1900 TO 1988

(In thousands, except percent. D = Democratic, R = Republican)

DIVISION AND STATE	1900		1962		1964		1988		Candidate elected at most recent election
	Total vote ¹	Percent leading party	Total vote ¹	Percent leading party	Total vote ¹	Percent leading party	Total vote ¹	Percent leading party	
N. Eng.:									
ME	(x)	(x)	460	D-61.1	(x)	(x)	427	R-39.9	John R. McKernan
NH	384	D-59.0	283	R-51.4	384	R-65.8	251	R-53.7	John H. Sununu
VT	210	R-58.6	169	R-55.0	234	D-50.0	187	D-47.0	Madeleine M. Kunin
MA	(x)	(x)	2,050	D-59.5	(x)	(x)	1,684	D-69.7	Michael S. Dukakis
RI	406	D-73.7	337	D-73.3	406	R-60.0	323	R-64.7	Edward DiPrete
CT	(x)	(x)	1,084	D-53.3	(x)	(x)	994	D-57.9	William A. O'Neill
Mid. Atl.:									
NY	(x)	(x)	5,255	D-50.8	(x)	(x)	4,294	D-64.6	Mario M. Cuomo
NJ	2,317	R-49.5	(x)	(x)	1,973	R-69.6	(x)	(x)	Thomas H. Kean
PA	(x)	(x)	3,884	R-50.8	(x)	(x)	3,266	D-50.7	Robert Casey
E. No. Coast:									
OH	(x)	(x)	3,357	D-59.0	(x)	(x)	3,067	D-60.6	Richard F. Celeste
IN	2,178	R-57.7	(x)	(x)	2,198	R-52.2	(x)	(x)	Robert D. Orr
IL	(x)	(x)	3,674	R-49.4	(x)	(x)	3,144	R-52.7	James R. Thompson
MI	(x)	(x)	3,040	D-51.4	(x)	(x)	2,397	D-66.1	James J. Blanchard
WI	(x)	(x)	1,580	D-56.7	(x)	(x)	1,527	R-52.7	Tommy G. Thompson
W. No. Coast:									
WY	(x)	(x)	1,780	D-68.8	(x)	(x)	1,416	D-55.8	Rudy Perpich
SA	(x)	(x)	1,038	R-62.8	(x)	(x)	911	R-51.9	Terry E. Branstad
MO	2,086	R-62.6	(x)	(x)	2,106	R-56.7	(x)	(x)	John Ashcroft
ND	308	R-63.6	(x)	(x)	314	D-55.3	(x)	(x)	George Sinner
SD	(x)	(x)	279	R-70.9	(x)	(x)	294	R-51.8	George S. Mickelson
NE	(x)	(x)	548	D-50.8	(x)	(x)	664	R-52.9	Kay Orr
KS	(x)	(x)	783	D-53.2	(x)	(x)	841	R-51.9	Mike Hayden
So. Atl.:									
DE	225	R-70.8	(x)	(x)	244	R-55.5	(x)	(x)	Michael N. Castle
MD	(x)	(x)	1,139	D-62.0	(x)	(x)	1,101	D-62.4	William D. Schafer
VA	1,421	D-63.5	(x)	(x)	1,343	D-55.2	(x)	(x)	Gerald L. Baliles
WV	742	D-64.1	(x)	(x)	742	R-53.3	(x)	(x)	Arch A. Moore
NC	1,847	D-61.9	(x)	(x)	2,227	R-54.3	(x)	(x)	James G. Martin
SC	(x)	(x)	672	D-69.8	(x)	(x)	754	R-51.0	Carroll Campbell
GA	(x)	(x)	1,189	D-62.8	(x)	(x)	1,175	D-70.5	Joe Frank Harris
FL	(x)	(x)	2,689	D-64.7	(x)	(x)	3,386	R-54.6	Bob Martinez
E. So. Coast:									
KY	909	D-69.4	(x)	(x)	1,031	D-54.5	778	D-54.2	Wallace G. Wilkinson
TN	(x)	(x)	1,239	R-56.6	(x)	(x)	1,210	D-54.2	Ned McWhorter
AL	(x)	(x)	1,129	D-57.6	(x)	(x)	1,236	R-56.3	Guy Hunt
MS	677	D-61.1	(x)	(x)	743	D-55.1	722	D-63.4	Ray Mabus
W. So. Coast:									
AR	899	R-51.9	769	D-54.7	887	D-62.6	889	D-63.9	Bill Clinton
LA	* 1,372	* R-60.3	(x)	(x)	* 1,616	* 62.3	* 1,559	* 33.1	Charles Roemer
OK	(x)	(x)	883	D-62.1	(x)	(x)	910	R-47.5	Henry Bellmon
TX	(x)	(x)	3,191	D-53.2	(x)	(x)	3,441	R-62.7	William P. Clemente
MT:									
MT	380	D-55.4	(x)	(x)	379	D-70.3	(x)	(x)	Ted Schwinden
ID	(x)	(x)	327	D-50.8	(x)	(x)	367	D-49.9	Cecil D. Andrus
WY	(x)	(x)	169	D-63.1	(x)	(x)	165	D-54.0	Mike Sullivan
CO	(x)	(x)	956	D-65.7	(x)	(x)	1,058	D-58.2	Roy Romer
NM	(x)	(x)	407	D-53.0	(x)	(x)	395	R-53.0	Garry E. Carruthers
AZ	(x)	(x)	726	D-62.5	(x)	(x)	867	R-39.7	Even Mecham ²
UT	800	D-55.2	(x)	(x)	630	R-55.9	(x)	(x)	Norman H. Bangerter
NV	(x)	(x)	240	D-53.4	(x)	(x)	260	D-71.9	Richard H. Bryan
Pac.:									
WA	1,731	R-66.7	(x)	(x)	1,869	D-53.3	(x)	(x)	Booth Gardner
OR	(x)	(x)	1,042	R-61.4	(x)	(x)	1,080	D-51.9	Neil Goldschmidt
CA	(x)	(x)	7,877	R-49.3	(x)	(x)	7,444	R-60.5	George Deukmejian
AK	(x)	(x)	195	D-45.1	(x)	(x)	180	D-47.3	Steve Cooper
HI	(x)	(x)	312	D-45.2	(x)	(x)	334	D-52.0	John Waihee

X Not applicable. Includes minor party and scattered votes. ¹ Voting years 1961 and 1965. Voting years 1979, 1983, and 1987. ² Dec. 1979 vote. ³ Primary elections in Oct. 1983 and Oct. 1987, held on a non-party basis. Winner was Democratic. Run-off in 1987 withdrew from runoff. ⁴ Even Mecham was impeached in 1986 and replaced by Peter McPherson (Rep.).

Source: Election Research Center, Washington, DC, *America Votes*, biennial. (Copyright.)

NO. 427. COMPOSITION OF STATE LEGISLATURES, BY POLITICAL PARTY AFFILIATION: 1980 TO 1988

[Data reflect election results in year shown for most States; and, except as noted, results in previous year for other States. Figures reflect immediate results of elections, including holdover members in State houses which do not have all of their members running for re-election. Dem.—Democratic; Rep.—Republican. In general, Lower House refers to body consisting of State Representatives; Upper House, of State Senators]

STATE	LOWER HOUSE								UPPER HOUSE							
	1980 ^{1,2}		1982 ^{2,4}		1984 ^{2,5}		1986 ^{7,8}		1988 ^{2,9}		1982 ^{2,10}		1984 ^{5,11}		1986 ^{7,12}	
	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.
U.S.	3,288	2,190	3,429	2,008	3,136	2,316	3,294	2,164	1,182	742	1,210	726	1,187	783	1,177	782
AL ¹³	100	4	97	6	67	12	69	16	35	—	32	3	28	4	30	5
AK ¹⁶	22	16	19	21	21	16	24	16	11	9	9	11	9	11	6	12
AZ ¹⁶	17	43	21	39	22	38	24	38	14	16	12	18	12	16	11	19
AR ¹⁴	93	7	93	7	91	9	91	9	34	1	32	3	31	4	31	4
CA ¹⁴	48	32	48	32	47	33	44	38	23	17	25	14	25	15	23	15
CO ¹⁴	26	39	26	40	—	47	25	40	13	22	14	21	11	34	10	25
CT ¹⁶	83	68	87	64	86	66	82	59	22	13	23	13	12	24	25	11
DE ¹⁴	16	25	24	17	19	22	19	22	12	9	13	6	13	8	13	8
FL ¹⁴	81	39	64	36	77	43	75	45	27	13	32	6	32	8	25	15
GA ¹⁸	156	23	158	24	154	28	168	27	51	6	48	7	47	9	48	10
HI ¹⁴	39	12	43	8	40	11	40	10	17	8	20	5	21	4	—	5
ID ¹⁸	14	56	19	51	17	67	20	64	12	23	14	21	14	26	16	26
IL ¹⁴	86	91	—	48	87	51	87	51	30	29	29	26	31	26	31	28
IN ¹⁴	35	63	43	57	39	61	48	52	15	35	18	32	20	30	16	30
IA ¹⁴	42	56	60	40	60	40	58	42	22	28	28	22	29	21	30	20
KS ¹⁴	53	72	53	72	48	76	51	74	16	24	16	24	16	24	16	24
KY ¹⁴	75	24	76	24	74	29	71	29	29	9	28	10	28	10	29	9
LA ¹³	96	10	93	11	91	—	87	16	39	—	36	1	38	1	34	5
ME ¹⁸	64	67	92	59	85	68	86	65	18	17	23	10	24	11	20	15
MD ¹³	125	15	124	17	124	17	124	17	40	7	41	6	41	6	40	7
MA ¹⁸	128	31	129	29	126	34	127	35	22	7	33	7	32	8	32	8
MI ¹⁴	64	46	63	47	57	53	64	48	24	14	20	16	—	19	18	20
MN ¹⁴	70	64	77	57	66	69	63	51	45	22	—	25	42	24	47	20
MS ¹³	115	4	118	5	116	6	113	9	48	4	49	3	49	3	45	7
MO ¹⁴	111	52	110	53	109	56	111	52	23	10	22	12	21	13	21	13
MT ¹⁴	43	57	56	45	50	50	48	51	21	29	24	26	26	22	25	25
NE ¹⁴	(¹⁴)	(¹⁴)	(¹⁴)	(¹⁴)	(¹⁴)	(¹⁴)	(¹⁴)	(¹⁴)	(¹⁴)	(¹⁴)	(¹⁴)	(¹⁴)	(¹⁴)	(¹⁴)	(¹⁴)	(¹⁴)
NV ¹⁴	26	14	23	19	17	25	29	13	16	5	17	4	13	6	9	12
NH ¹⁸	160	238	158	237	162	297	132	268	10	13	8	15	6	18	6	18
NJ ¹⁴	43	37	44	36	30	50	36	41	22	18	23	17	23	17	24	16
NM ¹⁴	41	29	46	24	42	28	47	23	22	20	23	19	21	21	21	21
NY ¹⁸	66	63	97	62	94	58	92	56	26	36	28	35	26	36	26	36
NC ¹⁸	96	24	102	18	82	38	84	36	40	10	44	6	36	12	40	10
ND ¹⁸	27	73	55	51	42	64	46	61	10	40	21	32	24	29	27	26
OH ¹⁶	54	45	62	37	56	40	60	39	15	18	17	16	15	18	15	18
OK ¹⁴	73	26	76	26	66	32	70	31	37	11	34	14	34	14	30	17
OR ¹⁴	53	27	36	24	34	26	31	28	22	6	21	9	18	12	17	13
PA ¹⁴	100	103	103	100	103	—	103	100	29	26	29	27	23	27	23	26
RI ¹⁸	62	18	65	15	77	21	80	20	43	7	29	21	36	12	36	12
SC ¹⁴	107	17	103	20	96	27	92	32	41	6	39	6	36	10	36	10
SD ¹⁸	21	49	16	54	13	67	22	48	10	25	9	26	10	25	11	24
TN ¹⁴	57	39	60	37	62	37	61	36	20	12	22	11	23	10	23	10
TX ¹⁴	114	35	114	36	98	62	94	56	23	7	26	5	25	6	25	6
UT ¹⁴	17	58	17	58	14	61	27	48	7	22	5	24	6	23	8	21
VT ¹⁸	64	66	65	63	72	79	74	75	14	18	13	17	15	12	18	11
VA ¹⁸	66	33	65	34	66	33	64	35	31	9	32	8	31	6	30	10
WA ¹⁴	42	56	54	44	53	45	61	37	24	25	26	23	27	22	26	24
WV ¹⁴	78	22	87	13	73	27	78	22	27	7	31	9	30	4	27	7
WI ¹⁴	59	39	59	40	52	47	54	46	19	14	19	14	19	14	20	11
WY ¹⁴	23	39	25	36	16	48	20	44	11	19	11	19	11	19	11	19

— Represents zero. ¹ Excludes 1 Independent each for MD, MA, and VA; 2 Independents each for MS and TN; 2 Libertarians for AK; 1 vacancy each for AL, GA, KY, MS, NY, NC, TN, TX, and VT; and 2 vacancies each for IN and NH. ² Status as of late 1981, includes elections held and vacancies filled in 1981. ³ Status as of August 1983, except for KY, LA, MS, NJ, and VA which are as of Jan. 1984 and reflect elections held in 1983. ⁴ Excludes 1 Independent each for LA, TN, VA, and WY; 2 Independents for NH; 1 vacancy each for MS, NY, SC, and TN; 2 vacancies each for MA and VT, and 3 vacancies for NH. ⁵ Status as of Jan. 1985, except for NJ and VA which are as of Jan. 1986 and reflect elections held in 1986. ⁶ Excludes 1 Independent for RI; 2 Independents for VA; 5 Independents for AL; 1 Libertarian for AK; and 1 vacancy each for AL, NH, OH, RI, and SC. ⁷ Status as of Jan. 1987, except for KY, LA, MS, NJ, and VA which are as of Jan. 1988 and reflect elections held in 1987. ⁸ Excludes 1 Independent each for VT and VA; 2 Libertarians for NY; 1 vacancy for KY; and 3 vacancies for LA. ⁹ Excludes 1 Independent each for MA and TN; 1 vacancy each for CT, MD, NH, and TX; and 2 vacancies for PA. ¹⁰ Excludes 1 Independent for CA and 1 vacancy for SC. ¹¹ Excludes 3 Independents for AL; and 1 vacancy each for MI, MN, and VA. ¹² Excludes 1 Independent for CA; and 1 vacancy each for CA and IN. ¹³ Members of both houses serve 4-year terms. ¹⁴ Upper House members serve 4-year terms and Lower House members serve 2-year terms. ¹⁵ Members of both houses serve 2-year terms. ¹⁶ Single chamber (unicameral body) of 49 members, elected without party designation.

Source: The Council of State Governments, Lexington, KY, 1980-1984, *Book of the States*, and its Supplement I, both biennial; 1986, *State Elective Officials and the Legislatures, 1987-88*. (Copyright.)

NO. 428. POLITICAL PARTY CONTROL OF STATE LEGISLATURES, BY PARTY: 1961 TO 1988

[As of beginning of year. Until 1972 there were two non-partisan legislatures in Minnesota and Nebraska. Since then only Nebraska has had a non-partisan legislature]

YEAR	LEGISLATURES UNDER—			YEAR	LEGISLATURES UNDER—			YEAR	LEGISLATURES UNDER—		
	Democ- ratic control	Split control or tie	Repub- lican control		Democ- ratic control	Split control or tie	Repub- lican control		Democ- ratic control	Split control or tie	Repub- lican control
1961	27	6	15	1971	23	9	16	1981	29	8	15
1962	25	7	16	1972	27	6	16	1982 ¹	34	4	11
1963	32	10	8	1973	37	7	5	1983	27	11	11
1964	34	8	10	1974	38	6	6	1984	28	12	9
1965	20	8	20	1975	30	7	12	1985	29	12	9

¹ Two 1984 mid-term recall elections resulted in a change in control of the Michigan State senate. At the time of the 1984 election, therefore, Democrats controlled 33 legislatures.

Source: National Conference of State Legislatures, Denver, CO, *State Legislatures*, January 1989.

NO. 429. BLACK ELECTED OFFICIALS, BY OFFICE, 1970 TO 1988, AND BY REGION AND STATE, 1988

[As of January 1989, no Black elected officials had been identified in Idaho, Montana, or North Dakota. For composition of regions, see fig. 1, inside front cover]

YEAR, REGION, DIVISION, AND STATE	Total	U.S. and State legis- latures ¹	City and coun- ty of- fices ²	Law enforce- ment ³	Educa- tion ⁴	DIVISION AND STATE	Total	U.S. and State legis- latures ¹	City and coun- ty of- fices ²	Law enforce- ment ³	Educa- tion ⁴
1970 (Feb.)	1,479	178	718	212	268	W. No. Cent.	239	34	139	22	26
1971 (Mar.)	1,870	216	909	274	471	Minnesota	12	1	4	5	2
1972 (Mar.)	2,278	224	1,112	283	676	Iowa	9	1	4	1	3
1973 (Apr.)	2,635	256	1,269	334	777	Missouri	165	17	116	13	19
1974 (Apr.)	3,007	256	1,607	340	804	South Dakota	2	-	2	-	-
						Nebraska	4	1	1	-	2
1975 (Apr.)	3,522	299	1,885	387	951	Kansas	25	4	12	3	9
1976 (Apr.)	4,006	299	2,284	415	1,008						
1977 (July)	4,342	318	2,509	481	1,068	So. At.	1,349	119	1,439	99	391
1978 (July)	4,544	318	2,619	458	1,154	Delaware	22	3	19	1	5
1979 (July)	4,636	315	2,875	491	1,155	Maryland	120	27	72	15	8
						District of Columbia	244	1	234	-	9
1980 (July)	4,983	328	2,871	534	1,232	Virginia	126	11	102	13	-
1981 (July)	5,108	343	2,914	559	1,293	West Virginia	23	1	19	3	-
1982 (July)	5,241	342	3,017	573	1,308	North Carolina	428	16	318	24	70
1983 (July)	5,719	388	3,283	620	1,430	South Carolina	352	19	210	5	116
1984 (Jan.)	5,885	395	3,367	657	1,445	Georgia	458	29	335	19	75
1985 (Jan.)	6,312	407	3,699	695	1,531	Florida	178	12	127	19	18
1986 (Jan.)	6,384	410	3,800	676	1,498						
1987 (Jan.)	6,646	428	3,949	727	1,542	E. So. Cent.	1,236	63	636	145	387
1988 (Jan.)	6,793	434	4,099	786	1,642	Kentucky	70	2	49	7	12
						Tennessee	145	14	89	18	34
Region:						Alabama	442	24	323	39	96
Northeast	696	73	275	104	243	Mississippi	578	23	359	81	115
Midwest	1,285	99	733	139	320						
South	4,446	227	2,980	392	847	W. So. Cent.	1,282	45	739	148	399
West	367	31	101	103	132	Arkansas	328	5	167	41	95
						Louisiana	524	19	311	57	127
E. Eng.	113	24	89	2	28	Oklahoma	112	5	62	2	23
Maine	3	-	2	-	1	Texas	300	16	150	38	86
New											
Hampshire	1	1	-	-	-	MT.	48	12	14	10	12
Vermont	1	1	-	-	-	Wyoming	3	1	1	-	1
Massachusetts	35	6	18	-	11	Colorado	16	4	3	5	3
Rhode Island	10	6	3	-	1	New Mexico	8	1	2	2	1
Connecticut	69	10	36	2	15	Arizona	13	3	5	-	5
						Utah	1	-	-	1	-
Mid. At.	982	48	216	192	216	Nevada	10	3	3	2	2
New York	250	34	50	51	125						
New Jersey	185	8	116	1	70	Pac.	219	19	87	88	139
Pennsylvania	137	17	50	50	20	Washington	18	3	6	4	5
						Oregon	10	3	4	2	1
E. No. Cent.	1,686	89	594	117	285	California	298	12	75	57	112
Ohio	218	14	123	29	50	Alaska	4	1	2	-	1
Indiana	87	8	49	2	8	Hawaii	1	-	-	-	1
Illinois	443	25	272	25	121						
Michigan	316	18	139	57	103						
Wisconsin	23	4	12	4	3						

- Represents zero. ¹ Includes elected State administrators. ² County commissioners and councilmen, mayors, vice mayors, aldermen, regional officials, and other. ³ Judges, magistrates, constables, marshals, sheriffs, justices of the peace, and other. ⁴ Members of State education agencies, college boards, school boards and other.

Source: Joint Center for Political Studies, Washington, DC, *Black Elected Officials: A National Register*, annual. (Copyright.)

NO. 430. HISPANIC PUBLIC OFFICIALS, 1986 AND 1987, AND STATE LEGISLATORS, 1983 TO 1987

[For States not shown, no Hispanic State legislators had been identified. For composition of regions, see fig. 1, inside front cover]

PUBLIC OFFICE	1986, total	1987		REGION, DIVISION, AND STATE	State legislators	DIVISION AND STATE	State legislators	DIVISION AND STATE	State legislators
		Total	Percent female						
Total.....	2,191	2,217	18	1983 (July).....	108	Mid. Atl.....	10	W. So. Cont.....	27
Governor.....	1	1	-	1985 (Sept.).....	116	NY.....	8	LA.....	2
State executives.....	4	3	25	1986 (Sept.).....	118	NJ.....	1	TX.....	25
State legislators.....	116	123	11	1987 (Sept.).....		PA.....	1		
				U.S.....	125				
County officials.....	304	314	27	Regions.....		Il. No. Cont.....	5	MT.....	1
Municipal officials.....	1,049	1,068	16	Northeast.....	12	OH.....	1	CO.....	9
				Midwest.....	6	IN.....	1	NM.....	35
Judicial/law enforcement.....	530	568	9	South.....	26	IL.....	3	AZ.....	10
Education/school boards.....	1,188	1,198	22	West.....	67	W. No. Cont.....	3	NV.....	1
						KR.....	3		
				N. Eng.....	2			Pa.....	6
				CT.....	1	So. Atl.....	9	OR.....	1
				RI.....	1	FL.....	9	CA.....	7

- Represents zero.

Source: National Association of Latino Elected and Appointed Officials, Washington, DC, *National Roster of Hispanic Elected Officials*, 1987.

NO. 431. WOMEN HOLDING STATE AND LOCAL PUBLIC OFFICES, BY OFFICE AND STATE: 1975 TO 1988

[For data on women in U.S. Congress, see table 423]

PUBLIC OFFICE		1975	1980	1981	1982	1983	1984	1985	1986	1987	1988
State legislatures.....		604	671	608	911	991	996	1,108	1,101	1,170	1,175
Percent of total legislators.....		8.0	11.6	12.1	12.2	13.3	13.4	14.9	14.9	16.7	16.8
County governing boards.....		451	1,144	1,128	1,397	1,427	1,476	(NA)	(NA)	1,504	(NA)

STATE	Statewide elective executive office, ² 1988	State legislature, ² 1988	County governing boards, 1987	Mayors and municipal council members, 1986	STATE	Statewide elective executive office, ² 1988	State legislature, ² 1988	County governing boards, 1987	Mayors and municipal council members, 1986
U.S.....	40	1,175	1,504	14,572	Mississippi.....	-	10	8	176
Alabama.....	1	8	7	281	Missouri.....	2	31	17	-
Alaska.....	-	12	13	233	Montana.....	1	23	16	110
Arizona.....	3	21	9	67	Nebraska.....	1	9	27	241
Arkansas.....	2	8	71	365	Nevada.....	1	10	10	15
California.....	1	17	63	486	New Hampshire.....	-	138	6	113
Colorado.....	2	28	18	315	New Jersey.....	-	11	14	451
Connecticut.....	1	40	(X)	340	New Mexico.....	1	11	17	66
Delaware.....	1	10	2	57	New York.....	-	22	130	787
District of Columbia.....	(X)	(X)	(X)	7	North Carolina.....	-	24	51	207
Florida.....	1	33	51	311	North Dakota.....	-	20	11	174
Georgia.....	-	26	22	251	Ohio.....	1	15	24	1,129
Hawaii.....	-	16	6	3	Oklahoma.....	1	13	5	312
Idaho.....	1	27	18	141	Oregon.....	2	15	14	344
Illinois.....	-	32	134	-	Pennsylvania.....	-	17	24	-
Indiana.....	2	19	10	-	Rhode Island.....	1	24	(X)	30
Iowa.....	2	22	35	732	South Carolina.....	-	12	38	184
Kansas.....	1	31	24	445	South Dakota.....	1	21	16	149
Kentucky.....	-	8	17	-	Tennessee.....	-	12	111	144
Louisiana.....	1	4	16	163	Texas.....	1	17	27	786
Maine.....	-	53	3	243	Utah.....	-	8	2	137
Maryland.....	-	38	21	133	Vermont.....	1	48	(X)	67
Massachusetts.....	1	37	4	217	Virginia.....	1	14	43	211
Michigan.....	1	22	123	2,779	Washington.....	-	37	13	341
Minnesota.....	2	31	37	542	West Virginia.....	-	21	13	202
					Wisconsin.....	-	28	248	-
					Wyoming.....	2	21	5	66

- Represents zero. NA. Not available. X Not applicable. ¹ Contains 1985 data for 3 States. ² As of May.

³ Excludes women elected to the judiciary, women appointed to State cabinet-level positions, women elected to executive posts by the legislature, and elected members of university Board of Trustees or Board of Education. ⁴ 1985 data. ⁵ Data for the number of women serving are from 100 of 102 counties.

Source: Center for the American Woman and Politics, Eagleton Institute of Politics, Rutgers University, New Brunswick, NJ, information releases.

No. 432. VOTING-AGE POPULATION, AND PERCENT REPORTING REGISTERED AND VOTED: 1972 TO 1986

[As of November. Covers often noninstitutional population 18 years old and over. Includes aliens. Figures are based on Current Population Survey (see text, section 1, and Appendix B) and differ from those in table 435 based on population estimates and official vote counts.]

CHARACTERISTIC	VOTING-AGE POPULATION (mil.)										PERCENT REPORTING THEY REGISTERED										PERCENT REPORTING THEY VOTED									
	1972					1976					1980					1984					Presidential election years					Congressional election years				
	1972	1974	1976	1978	1980	1972	1974	1976	1978	1980	1972	1974	1976	1978	1980	1972	1974	1976	1978	1980	1972	1976	1980	1984	1988	1992	1996	2000	2004	2008
Total	138.3	141.3	148.5	151.4	157.1	164.5	170.6	173.9	173.9	173.9	73.3	66.7	66.9	66.3	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
18-24 years old	11.0	11.6	12.1	12.2	12.3	12.1	11.2	10.7	10.7	10.7	58.1	47.1	44.7	47.0	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4
25-34 years old	12.6	14.1	14.9	15.5	15.9	16.7	18.7	18.7	18.7	18.7	59.5	54.8	52.7	54.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
35-44 years old	26.9	28.3	31.7	33.4	35.7	36.8	40.5	41.9	41.9	41.9	65.4	62.3	62.3	62.3	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
45-54 years old	22.2	22.4	22.6	24.2	25.6	26.1	30.7	33.0	33.0	33.0	74.8	68.8	70.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
55-64 years old	42.3	43.0	43.3	43.4	43.6	44.2	44.3	44.8	44.8	44.8	78.7	75.6	75.6	75.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
65 years old and over	30.1	31.0	32.0	33.0	34.1	35.6	38.7	37.7	37.7	37.7	75.6	71.4	74.6	78.9	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
Male	69.8	69.4	69.0	71.6	74.1	78.0	80.3	82.4	82.4	82.4	73.1	67.1	66.6	67.3	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
Female	72.4	74.9	77.6	80.2	83.0	87.4	88.6	91.5	91.5	91.5	71.6	66.4	67.1	69.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
White	121.2	125.1	129.3	133.4	137.7	143.6	148.8	148.8	148.8	148.8	73.4	66.3	66.4	66.8	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
Black	13.5	14.2	14.8	15.6	16.4	17.6	18.4	18.0	18.0	18.0	66.5	60.0	60.0	60.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
Hispanic ¹	5.8	6.1	6.6	6.9	8.2	8.8	8.5	11.9	11.9	11.9	44.4	37.9	38.3	40.1	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
Region: ²																														
Northeast	(na)	33.3	33.9	35.1	35.9	36.4	36.9	37.9	37.9	37.9	(na)	66.9	64.8	66.6	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
Midwest	(na)	38.1	39.2	40.3	41.8	41.9	42.1	42.8	42.8	42.8	(na)	72.3	73.8	74.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
South	48.6	44.8	47.1	48.5	50.6	55.4	57.6	59.2	59.2	59.2	66.7	64.6	64.6	66.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
West	(na)	25.0	26.2	27.5	28.5	31.9	33.4	34.6	34.6	34.6	(na)	63.2	60.3	64.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
School years completed:																														
8 years or less	58.1	24.4	24.9	23.6	22.7	22.4	20.6	19.6	19.6	19.6	61.5	54.4	53.0	53.4	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
High school	22.3	21.7	22.2	22.3	22.5	22.3	22.1	21.4	21.4	21.4	63.0	56.6	54.6	54.6	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
1-3 years	50.7	51.7	53.7	54.4	51.2	46.2	47.8	46.8	46.8	46.8	74.0	68.9	68.4	67.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
4 years																														
College																														
1-3 years	18.3	23.7	23.6	25.1	26.7	26.8	30.9	33.0	33.0	33.0	81.7	75.2	74.4	75.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
4 years or more	16.9	19.8	20.2	22.2	24.0	26.9	29.6	31.3	31.3	31.3	67.6	63.7	64.3	63.6	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
Employed	80.8	80.1	86.0	88.0	86.0	87.2	104.9	108.5	108.5	108.5	74.3	68.8	68.7	69.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
Unemployed	3.7	5.0	8.4	4.9	8.9	10.8	7.4	6.6	6.6	6.6	58.7	52.1	50.3	54.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
Not in labor force	52.3	53.2	54.1	53.9	55.2	57.5	58.4	58.8	58.8	58.8	70.3	65.2	65.6	66.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3

NA Not available ¹ Hispanic persons may be of any race. ² For composition of regions, see fig. 1, inside front cover

Source: U.S. Bureau of the Census, Current Population Reports, series P-80, No. 414 and earlier reports.

NO. 433. PARTICIPATION IN ELECTIONS FOR PRESIDENT AND U.S. REPRESENTATIVES: 1960 TO 1980

[As of November. Estimated resident population 21 years old and over, 1960-1970, except as noted, and 18 years old and over thereafter; includes Armed Forces. District of Columbia is included in votes cast for President beginning 1964 and in votes cast for Representative beginning 1972]

YEAR	Resident population (incl. aliens) of voting age ¹ (1,000)	VOTES CAST				YEAR	Resident population (incl. aliens) of voting age ¹ (1,000)	VOTES CAST			
		For President (1,000)	Percent of voting-age population	For U.S. Representatives (1,000)	Percent of voting-age population			For President (1,000)	Percent of voting-age population	For U.S. Representatives (1,000)	Percent of voting-age population
1960	109,672	68,536	62.6	64,139	58.5	1974	146,336	(X)	(X)	62,486	35.8
1962	112,952	(X)	(X)	61,267	48.4	1976	152,308	81,556	53.6	74,422	48.9
1964	114,090	70,645	61.9	65,995	57.8	1978	158,289	(X)	(X)	55,332	34.9
1966	116,638	(X)	(X)	62,006	45.4	1980	164,286	86,515	52.6	77,996	47.4
1968	120,265	73,212	60.9	66,286	55.1	1982	169,939	(X)	(X)	64,514	38.0
1970	124,496	(X)	(X)	64,173	43.6	1984	174,447	82,053	47.1	83,231	47.7
1972	140,777	77,719	55.2	71,430	50.7	1986	178,335	(X)	(X)	58,619	33.4
						1988	182,626	² 91,610	50.2	(NA)	(NA)

NA Not available. X Not applicable. ¹ Population 18 and over in Georgia and Kentucky, 19 and over in Alaska and 20 and over in Hawaii, 1960-1970. ² Source: Committee for the Study of the American Electorate, Washington, DC, *Non-Voter Study*, 26-28, forthcoming.

Source: Except as noted, U.S. Bureau of the Census, *Current Population Reports*, series P-26, No. 1018; and Elections Research Center, Washington, DC, *America Votes*, biennial (copyright).

NO. 434. PRESIDENTIAL PRIMARIES—VOTES CAST AND PERCENT OF VOTING-AGE POPULATION CASTING VOTES, BY PARTY: 1968

[Presidential primaries were not held in AK, AZ, CO, DE, HI, IA, KS, ME, MI, MN, NY, ND, SC, UT, VT, WA, and WY]

STATE	Voting age population (VAP) (1,000)	VOTES CAST IN DEMOCRATIC PRIMARY		VOTES CAST IN REPUBLICAN PRIMARY		STATE	Voting age population (VAP) (1,000)	VOTES CAST IN DEMOCRATIC PRIMARY		VOTES CAST IN REPUBLICAN PRIMARY	
		Total (1,000)	Percent of VAP	Total (1,000)	Percent of VAP			Total (1,000)	Percent of VAP	Total (1,000)	Percent of VAP
AL	3,010	406	13.5	214	7.1	NE	1,167	164	14.1	203	17.4
AR	1,761	498	28.3	66	3.9	NH	623	134	15.0	198	16.2
CA	20,675	3,139	15.0	2,349	10.8	NJ	5,943	671	11.3	262	4.9
CT	2,482	241	9.7	104	4.2	NM	1,101	189	17.1	89	8.1
DC	489	86	17.7	7	1.5	NY	13,480	1,576	11.7	-	-
FL	9,814	1,273	13.2	601	6.4	NC	4,313	680	13.8	274	5.8
GA	4,666	623	13.4	401	8.6	OH	7,970	1,378	17.3	767	9.8
ID	701	51	7.3	66	9.7	OK	2,404	398	16.5	206	8.7
IL	8,560	1,486	17.5	668	10.0	OR	2,051	401	19.6	274	13.4
IN	4,068	646	16.9	436	10.6	PA	9,000	1,506	16.6	671	7.6
KY	2,746	319	11.6	121	4.4	Ri	764	49	6.4	16	2.1
LA	3,175	624	19.7	145	4.6	SD	606	72	14.1	93	15.4
MD	3,491	531	15.2	201	5.8	TN	3,661	576	15.7	254	6.9
MA	4,535	714	15.7	241	5.3	TX	12,270	1,767	14.4	1,015	8.3
ME	1,867	369	19.8	159	8.5	VA	4,544	366	8.0	234	5.2
MO	3,821	526	13.8	400	10.5	WV	1,386	340	24.5	143	10.2
MT	586	122	20.8	66	14.7	WI	3,536	1,015	28.7	389	10.2

- Represents zero.

Source: Committee for the Study of the American Electorate, Washington, DC, *Non-Voter Study*, 26-28, forthcoming.

NO. 435. POLITICAL PARTY IDENTIFICATION OF THE ADULT POPULATION, BY DEGREE OF ATTACHMENT: 1960 TO 1980

[In percent. Covers citizens of voting-age living in private housing units in the contiguous U.S. Data are from the National Election Studies and are based on a sample (for 1968, 2,165 respondents) and subject to sampling variability; for details, see source]

DEGREE OF ATTACHMENT	1965	1964	1960	1970	1972	1978	1980	1984	1988
Total	100	100	100	100	100	100	100	100	100
Strong Democrat	20	27	20	20	15	15	16	17	15
Weak Democrat	26	25	25	24	29	25	25	20	22
Independent Democrat	6	6	10	10	11	12	11	11	10
Independent	10	6	11	13	13	15	13	11	12
Independent Republican	7	5	9	9	11	10	10	12	11
Weak Republican	14	14	15	16	13	14	14	15	15
Strong Republican	16	11	13	9	10	9	9	12	10
Apolitical	3	1	1	1	1	1	2	2	2

Source: Center for Political Studies, University of Michigan, Ann Arbor, MI, unpublished data.

NO. 422. RESIDENT POPULATION OF VOTING-AGE AND PERCENT CASTING VOTES—STATES: 1976 TO 1988

[As of November. Estimated population, 18 years old and over. Includes Armed Forces stationed in each State, alien, and institutional population. For composition of regions, see fig. 1, inside front cover]

REGION, DIVISION, AND STATE	VOTING AGE POPULATION (1,000)					1988, pop.			PERCENT CASTING VOTES FOR PRESIDENTIAL ELECTORS			PERCENT CASTING VOTES FOR U.S. REPRESENTATIVES		
	1976	1980	1982	1984	1988	Total	Percent—		1980	1984	1988	1982	1984	1988
							Black	Hispanic ¹						
U.S.	169,399	164,886	166,939	174,667	179,492	169,928	11.2	7.1	62.6	63.1	60.2	56.6	47.7	33.4
Regions														
North	36,354	36,287	36,933	37,522	37,697	36,402	10.1	6.7	52.9	54.6	51.7	39.7	51.1	32.6
Midwest	40,248	42,194	42,670	43,180	43,610	42,891	8.9	2.3	59.7	58.3	56.1	44.7	56.0	38.9
South	46,113	54,656	57,236	58,267	61,080	63,032	18.6	6.2	47.3	48.8	48.3	29.4	38.6	28.9
West	27,682	31,558	33,132	34,489	36,815	37,242	5.2	15.9	51.7	51.9	49.7	42.1	48.3	36.5
U.S.	6,711	9,144	8,233	8,889	9,738	8,891	4.9	2.4	66.9	66.7	67.6	44.6	68.6	37.4
ME	709	811	829	854	874	893	.9	.4	64.5	64.7	62.1	54.5	65.5	46.3
NH	989	872	889	734	775	823	.6	.6	57.1	53.0	55.1	38.5	50.8	31.1
VT	337	370	382	382	402	412	.9	.7	57.7	59.9	59.0	43.2	57.8	47.0
MA	4,132	4,278	4,350	4,407	4,497	4,536	4.2	2.5	69.0	67.6	68.1	43.5	52.8	33.4
RI	689	710	711	726	750	764	3.2	2.2	58.6	55.7	53.0	48.2	53.0	40.8
CT	2,301	2,304	2,353	2,401	2,440	2,440	7.1	1.1	61.0	61.1	57.9	45.5	59.7	40.2
NE	36,848	27,148	27,869	27,869	28,289	28,482	12.3	4.4	66.6	63.2	66.6	37.9	46.4	31.8
NY	12,882	12,833	13,113	13,301	13,406	13,406	14.5	10.3	48.0	51.2	48.1	36.7	46.7	29.1
NJ	5,230	5,422	5,557	5,667	5,812	5,812	12.7	7.3	54.9	58.6	52.1	38.6	52.8	28.7
PA	8,531	8,787	8,899	8,975	9,041	9,060	8.6	1.2	51.9	54.0	50.1	40.8	51.9	28.8
W.S.C.	28,489	23,796	26,899	26,322	26,849	26,914	16.8	2.8	66.7	66.1	64.9	43.3	64.8	37.9
OH	7,461	7,744	7,798	7,841	7,908	7,970	10.0	.9	55.3	58.0	55.1	42.7	55.2	36.9
IN	3,892	3,892	3,892	3,892	4,032	4,088	7.5	1.4	57.8	55.9	55.1	45.6	54.8	36.6
IL	7,839	8,235	8,343	8,436	8,501	8,550	14.2	6.6	57.7	57.1	59.3	43.3	54.3	35.5
MI	6,214	6,520	6,487	6,596	6,691	6,791	13.2	1.6	60.0	57.9	54.6	43.2	52.8	34.8
WI	3,189	3,375	3,433	3,485	3,517	3,517	3.9	1.3	67.4	63.5	62.0	42.9	50.5	38.3
W.N.C.	11,789	12,439	12,891	12,899	12,961	13,037	4.4	1.2	62.1	66.9	68.9	46.1	68.7	43.4
MN	2,729	2,933	3,001	3,056	3,112	3,161	1.3	.6	70.0	68.2	66.3	58.3	64.6	44.8
IA	2,026	2,089	2,113	2,120	2,089	2,089	1.6	.9	62.6	62.2	60.3	47.5	59.8	42.4
MO	3,408	3,578	3,835	3,708	3,786	3,821	8.7	.9	69.7	57.3	54.8	42.0	56.0	36.0
ND	467	467	466	466	466	466	.8	.5	64.6	62.7	61.5	53.8	62.7	58.6
SD	468	468	468	468	468	468	.4	.5	67.1	62.6	61.5	55.3	62.2	58.9
NE	1,081	1,133	1,167	1,172	1,170	1,167	3.0	1.7	56.6	55.6	56.7	44.6	55.5	47.4
KS	1,629	1,730	1,772	1,789	1,816	1,828	5.2	2.8	55.6	58.8	54.3	42.7	55.3	43.3
SE	34,899	27,279	26,891	26,737	26,872	32,127	18.8	3.6	49.2	47.8	44.3	29.3	38.6	26.6
DE	412	432	444	444	475	480	16.4	1.6	64.7	55.5	51.1	42.4	52.9	38.8
MD	2,980	3,080	3,184	3,280	3,372	3,491	23.3	1.7	50.0	51.4	48.1	34.5	45.9	31.5
DC	525	495	491	499	499	499	64.8	3.1	35.4	43.1	39.4	22.8	38.8	26.0
VA	3,613	3,630	4,080	4,235	4,377	4,544	17.8	1.6	47.5	50.7	49.2	32.7	43.4	23.8
WV	1,314	1,400	1,421	1,422	1,412	1,398	2.9	.4	52.7	51.6	46.7	36.5	46.5	28.0
NC	3,907	4,274	4,424	4,593	4,736	4,813	20.2	.6	43.4	47.4	43.4	29.9	47.0	33.2
SC	1,890	2,215	2,305	2,382	2,452	2,534	27.9	.6	40.4	40.7	38.9	26.5	39.0	29.2
GA	3,484	3,870	4,041	4,231	4,430	4,666	24.4	.9	41.3	42.0	38.8	22.4	35.9	24.0
FL	6,408	7,578	8,152	8,865	9,127	9,614	11.8	9.4	46.7	46.2	44.7	27.1	29.1	26.6
S.W.C.	9,894	10,399	10,699	10,891	11,099	11,294	17.3	.4	66.3	60.2	66.9	32.6	41.4	36.6
KY	2,434	2,595	2,856	2,897	2,724	2,746	6.9	.4	49.9	50.8	48.2	25.4	44.0	23.1
TN	3,033	3,323	3,406	3,490	3,596	3,661	14.7	.4	48.7	49.1	44.7	34.5	37.7	31.0
AL	2,554	2,757	2,826	2,892	2,947	3,010	23.2	.5	45.7	49.9	45.6	34.0	39.7	27.9
MS	1,803	1,723	1,771	1,802	1,830	1,867	31.4	.4	51.6	52.2	51.1	36.2	49.2	28.6
W.N.C.	14,994	16,894	16,895	16,879	16,139	16,819	13.4	13.9	47.9	46.5	46.2	27.9	38.9	36.1
AR	1,502	1,629	1,867	1,732	1,781	1,781	13.8	.6	51.5	51.8	47.0	45.6	27.1	38.5
LA	2,923	2,919	3,094	3,129	3,157	3,175	27.6	2.3	53.0	54.5	51.3	16.9	20.5	12.4
OK	1,880	2,207	2,371	2,408	2,406	2,404	6.0	2.1	52.1	52.2	48.7	36.1	46.1	30.1
TX	6,790	10,130	10,952	11,436	11,826	12,270	11.2	21.1	44.8	47.2	44.2	26.0	40.9	25.6
SW	6,894	8,897	8,899	8,897	8,811	8,891	2.4	12.3	63.9	62.8	51.7	41.6	60.5	46.5
MT	519	580	579	591	586	586	.2	1.2	65.0	65.0	62.5	54.7	62.8	54.1
WY	646	646	646	646	646	646	.5	4.0	67.7	59.9	58.4	48.0	58.4	54.3
WY	367	332	365	364	362	361	.7	4.8	53.2	53.3	50.4	44.9	53.1	45.4
CO	1,839	2,123	2,299	2,353	2,414	2,489	3.8	10.6	55.8	55.0	55.1	41.7	53.0	42.2
NM	783	800	857	1,002	1,045	1,101	1.6	36.0	50.6	51.3	47.3	41.3	49.9	36.9
AZ	1,611	1,970	2,116	2,289	2,437	2,605	2.4	14.5	44.4	45.2	45.0	23.6	41.6	33.0
UT	791	895	985	1,023	1,051	1,076	.7	4.2	64.6	61.6	60.0	49.7	58.8	40.8
NV	467	602	652	691	732	780	5.9	7.3	41.2	41.6	44.9	35.9	39.2	35.1
Pac	29,799	23,491	24,899	25,892	26,894	27,892	6.2	17.2	61.9	61.6	66.6	42.3	46.6	37.9
WA	2,801	3,040	3,143	3,229	3,323	3,417	2.3	3.0	57.3	58.4	54.6	41.6	55.0	39.0
OR	1,678	1,829	1,955	1,984	2,016	2,051	1.4	2.8	61.2	61.8	68.6	51.9	60.6	51.1
CA	16,989	17,546	18,408	19,181	20,015	20,875	7.5	21.6	48.9	49.8	47.4	41.2	48.7	38.0
AK	257	277	318	351	389	395	3.3	2.2	57.3	59.3	62.0	67.0	59.6	49.2
HI	934	987	729	729	784	824	1.8	6.3	43.5	44.3	43.0	40.9	39.4	42.2

¹ Hispanic persons may be of any race. ² State law does not require tabulation of votes for unopposed candidates.

Source: Compiled by U.S. Bureau of the Census. Population data from U.S. Bureau of the Census, Current Population Reports, series P-85, Nos. 949 and 1016; votes cast from Elections Research Center, Washington, DC, America Votes, Manual (copyright) and, for 1988, from Committee for the Study of the American Electorate, Washington, DC, New-Year Study, 89-90, forthcoming.

NO. 437. VOTER REGISTRATION—REGISTERED VOTERS, 1960 TO 1968, AND REGISTRATION DEADLINES AND RESIDENCY REQUIREMENTS, 1968

[Registration figures are based on final and official registration statistics provided by Secretaries of State and State Registrars. The accuracy of registration figures varies according to the stringency of purges conducted in each State and locality. There is, therefore, some inflation in these figures, although the trends between years are likely to be accurate.]

STATE	1960		1964		1968							
	Registered voters (1,000)	Percent registered of voting age population	Registered voters (1,000)	Percent registered of voting age population	Registration deadline ¹ (days)	Residency requirement ² (days)	Registered voters			Votes cast		
							Total ³		Democrats, percent of total registered	Republicans, percent of total registered	Number (1,000)	Percent of registered voters
Number (1,000)	Percent of voting-age population	Number (1,000)	Percent of voting-age population									
U.S.	114,802	68.8	128,887	72.8	(X)	(X)	(NA)	(NA)	(NA)	(NA)	91,810	(NA)
AL	2,132	77.4	2,343	81.0	10	30	2,380	79.1	(NA)	(NA)	1,378	57.9
AK	259	94.0	306	87.7	30	30	294	76.3	20.5	20.7	200	68.1
AZ	1,121	57.1	1,483	64.8	60	60	1,788	68.0	42.7	45.7	1,172	65.2
AR	1,186	72.9	1,288	74.4	20	30	1,203	68.3	(NA)	(NA)	828	68.8
CA	11,361	64.8	13,074	68.8	29	29	14,006	67.1	50.4	38.6	9,867	70.6
CO	1,434	67.6	1,821	69.1	25	32	2,030	61.5	30.5	32.9	1,372	67.6
CT	1,708	74.1	1,806	76.0	21	30	1,784	71.5	39.1	27.1	1,443	80.9
DE	301	66.7	314	68.8	(7)	(X)	318	65.0	43.8	36.1	250	78.6
DC	280	58.5	276	58.3	30	(X)	300	61.3	79.3	6.8	193	64.3
FL	4,810	68.8	5,574	64.6	30	(X)	6,047	62.9	54.0	39.0	4,302	71.1
GA	2,377	61.4	2,732	64.8	30	30	2,941	63.1	(NA)	(NA)	1,810	61.5
HI	403	57.9	419	55.3	30	30	444	63.9	(NA)	(NA)	354	79.9
ID	581	80.1	582	84.5	10	30	572	81.7	(NA)	(NA)	409	71.4
IL	6,230	75.7	6,470	76.7	28	30	6,367	74.4	(NA)	(NA)	4,559	71.7
IN	2,844	75.7	3,064	78.4	28	30	2,886	70.5	(NA)	(NA)	2,189	75.7
IA	1,717	81.9	1,729	81.5	10	30	1,690	81.7	36.1	31.1	1,226	72.5
KS	1,291	74.7	1,291	72.1	20	30	1,286	66.2	29.5	41.3	993	78.4
KY	1,789	67.8	2,023	75.0	30	30	2,026	73.8	67.2	28.4	1,323	65.3
LA	2,015	69.1	2,262	72.4	84	(X)	2,229	70.2	75.2	16.4	1,828	73.1
ME	760	83.8	811	84.7	(7)	(X)	856	85.7	(NA)	(NA)	555	64.9
MD	2,085	67.0	2,253	69.1	29	30	2,310	66.2	64.2	27.6	1,714	74.2
MA	3,153	73.7	3,254	73.0	28	30	3,275	72.2	(NA)	(NA)	2,683	80.4
MI	5,726	87.7	5,889	89.4	30	30	6,953	87.7	(NA)	(NA)	3,689	61.6
MN	2,353	80.3	2,863	84.9	(7)	20	2,917	82.3	(NA)	(NA)	2,097	71.9
MS	1,482	66.1	1,870	82.8	30	30	1,998	85.5	(NA)	(NA)	953	59.7
MO	2,841	79.5	2,969	80.3	20	30	2,942	77.0	(NA)	(NA)	2,094	71.2
MT	498	66.7	527	69.8	30	30	508	68.3	(NA)	(NA)	366	72.9
NE	656	75.8	903	77.2	(7)	(X)	996	77.0	42.1	50.7	661	73.6
NV	297	49.4	366	62.0	30	30	445	57.0	47.0	42.4	350	78.7
NH	523	77.9	544	74.1	10	10	660	79.0	30.4	36.9	451	68.3
NJ	3,786	68.5	4,073	71.3	29	30	4,011	67.5	(NA)	(NA)	3,094	77.1
NM	653	72.6	651	65.4	28	(X)	676	61.3	58.6	35.4	521	77.3
NY	7,898	61.1	8,044	67.7	30	30	8,512	69.9	(NA)	(NA)	6,486	76.3
NC	2,775	65.0	3,271	71.1	* 21	30	3,432	68.9	(NA)	(NA)	2,134	62.2
ND	(11)	(11)	(11)	(11)	(11)	30	(11)	(11)	(11)	(11)	297	(X)
OH	5,687	78.1	6,356	80.9	29	30	6,323	79.3	(NA)	(NA)	4,364	69.5
OK	1,458	68.2	1,950	61.2	10	30	2,199	61.5	65.3	32.1	1,171	53.3
OR	1,589	61.4	1,609	60.8	21	20	1,524	74.3	48.3	38.7	1,202	78.6
PA	5,754	65.5	6,194	68.8	30	30	5,876	64.9	52.2	42.9	4,536	77.2
RI	531	74.9	542	73.6	30	30	549	71.8	(NA)	(NA)	406	73.7
SC	1,236	55.8	1,398	58.4	30	30	1,436	58.7	(NA)	(NA)	986	68.6
SD	448	81.9	443	87.9	15	(X)	440	66.5	42.8	49.2	313	71.1
TN	2,149	64.6	2,580	73.8	29	20	2,417	66.0	(NA)	(NA)	1,836	67.7
TX	6,540	65.8	7,900	69.2	30	20	8,202	66.8	(NA)	(NA)	5,427	66.2
UT	782	63.3	840	82.1	20	30	807	74.9	(NA)	(NA)	647	80.2
VT	312	84.3	322	82.2	17	(X)	348	84.5	(NA)	(NA)	243	69.9
VA	2,302	58.7	2,552	60.2	31	(X)	2,877	63.3	(NA)	(NA)	2,192	76.2
WA	2,162	71.9	2,458	76.1	30	30	2,499	73.1	(NA)	(NA)	1,865	74.6
WV	1,035	74.0	1,025	71.6	30	30	969	69.3	66.1	31.3	653	67.5
WI	(12)	(12)	(12)	(12)	(X)	10	(12)	(12)	(12)	(12)	2,182	(X)
WY	219	66.1	240	67.6	30	(X)	226	64.4	35.6	34.9	177	76.1

NA Not available. X Not applicable. ¹ Number of days prior to a general election by which a prospective voter must register with State or local election officials. ² Number of days a prospective voter must reside in a State to vote in a general election. ³ Includes voters registered with other parties and with no party (Independents), not shown separately. ⁴ Estimate based on actual registration statistics from the States which keep registration records. Percentages are the actual percentages of the voting age population who registered in the States, for which actual registration figures are available. The estimates are derived by applying that percentage to the national voting age population figure. ⁵ No residency requirements. ⁶ No durational requirement. To varying degrees, States without durational residency requirements may call for proof of residency or sworn certification of resident status; enforcement of such residency certification often left to discretion of local registration officials. ⁷ Third Saturday in October. ⁸ Election day. ⁹ Second Friday before election day. ¹⁰ Business days. ¹¹ North Dakota does not require registration. ¹² WI does not keep statewide registration statistics.

Source: Committee for the Study of the American Electorate, Washington, DC, Non-Voter Study, '50-'51, '54-'55, and '58-'59.

No. 438. VOTER REGISTRATION IN 11 SOUTHERN STATES, BY RACE 1980 TO 1986

[In thousands, except percent. Covers population 18 years and over.]

YEAR AND RACE	Totals	AL	AK	FL	GA	LA	MS	NC	SC	TX	VA	WV
1980: White	24,387 ¹	1,721	1,258	4,337	1,801	1,591	1,132	2,174	978	2,389	8,234	1,781
Black	4,254	339	130	489	431	485	331	461	331	381	811	181
Percent of—												
White voting age pop.	71.9	67.4	75.9	67.7	63.2	74.9	58.9	71.1	58.5	78.5	61.1	61.1
Black voting age pop.	55.9	55.9	57.2	58.3	48.6	61.1	62.3	51.9	52.1	61.1	58.1	52.1
1982: White	22,888	1,857	884	4,200	1,857	1,487	1,155	2,187	882	2,388	8,121	1,781
Black	4,302	437	145	500	467	489	341	436	347	371	811	181
1984: White	27,388	1,828	1,087	4,889	2,132	1,717	1,171	2,623	1,025	2,171	8,121	1,781
Black	5,587	1,516	1,177	587	584	587	1,438	679	588	1,388	811	181
1986: White	27,028	1,857	1,030	4,677	1,880	1,580	1,135	2,488	882	2,188	8,121	1,781
Black	15,450	1,509	1,157	576	576	571	1,430	585	571	1,388	811	181
Percent of—												
White voting age pop.	68.9	77.5	67.2	66.9	62.3	67.9	61.6	67.4	53.4	70.2	51.1	61.1
Black voting age pop.	60.8	60.9	57.9	58.2	52.8	60.6	70.9	58.4	52.5	65.3	68.1	58.1

¹ As of October, except Arkansas as of November ² Estimated ³ As of August

Source: Voter Education Project, Inc., Atlanta, GA, Voter Registration in the South, semiannual

No. 439. POLITICAL PARTY FINANCIAL ACTIVITY, BY MAJOR POLITICAL PARTY, 1977-1978 TO 1985-1986

[In millions of dollars. Covers financial activity during 2 year calendar period indicated. Some political party financial activities, such as building funds and state and local election spending, are not reported to the source. Also excludes contributions earmarked to federal candidates through the party organizations, since some of those funds never passed through the committees' accounts]

YEAR AND TYPE OF COMMITTEE	DEMOCRATIC				REPUBLICAN			
	Receipts, net ¹	Disbursements, net ¹	Contributions to candidates	Monies spent on behalf of party's nominees ²	Receipts, net ¹	Disbursements, net ¹	Contributions to candidates	Monies spent on behalf of party's nominees ²
1977-1978	26.4	26.9	1.8	4	84.5	85.9	4.5	4.3
1979-1980, total	37.2	38.9	1.7	4.9	188.5	181.8	4.5	12.4
National committee	15.1	14.9	(2)	3.9	78.2	73.2	8	5.4
Senatorial committee	1.7	1.6	.5	6	23.3	21.2	4	5.0
Congressional committee	2.1	2.0	.8	(2)	28.6	26.1	2.0	1.2
Conventions, other national	9.2	7.8	(2)	-	7.6	8.7	.5	-
State and local	9.1	8.8	.4	4	33.8	32.5	8	8
1981-1982, total	38.3	48.1	1.7	3.3	215.8	214.9	5.8	14.3
National committee	16.4	16.5	.1	1	83.5	84.3	1.7	2
Senatorial committee	5.8	5.6	.5	1.9	48.9	47.7	.6	8.7
Congressional committee	6.5	6.5	.6	.2	58.0	57.0	2.6	4.9
Conventions, other national	3.1	3.9	-	-	.6	9	(2)	-
State and local	7.6	7.7	.5	1.1	24.0	24.1	8	4
1983-1984, total	98.5	97.4	2.8	8.8	287.9	308.8	4.9	28.1
National committee	46.8	46.8	.9	2.7	105.9	104.6	.8	8.8
Senatorial committee	8.9	8.7	.4	3.9	81.7	83.6	.6	8.7
Congressional committee	10.4	10.2	.8	1.1	58.3	61.7	2.6	6.3
Conventions, other national	14.0	13.7	-	-	8.9	8.9	-	-
State and local	18.5	18.2	.5	1.3	43.1	41.9	8	3
1985-1986, total	84.8	88.8	1.7	8.8	265.2	308.8	3.4	14.3
National committee	17.2	17.4	(2)	.3	83.8	88.7	4	(2)
Senatorial committee	13.4	13.5	.6	6.1	84.4	83.7	.6	10.0
Congressional committee	12.3	12.6	.6	1.5	38.8	40.8	1.7	4.1
Conventions, other national	7.9	8.1	(2)	-	.2	2	-	-
State and local	14.0	14.3	.5	1.0	47.0	47.4	8	3

- Represents zero. Z Less than \$50,000. ¹ Excludes monies transferred between affiliated committees ² Monies spent in the general election.

Source: U.S. Federal Election Commission, FEC Reports on Financial Activity, Final Report, Party and Non-Party Political Committees, biennial.

No. 440. INDEPENDENT EXPENDITURES FOR PRESIDENTIAL AND CONGRESSIONAL CAMPAIGNS:
1979-1980 TO 1985-1986

[In thousands of dollars. Covers campaign finance activity during 2 year calendar period indicated. An "independent expenditure" is money spent to support or defeat a clearly identified candidate. According to Federal election law, such an expenditure must be made without cooperation or consultation with the candidate or his/her campaign. Independent expenditures are not limited as are contributions]

TYPE OF OFFICE	ALL PARTIES			DEMOCRATS		REPUBLICANS		OTHERS	
	Total	For	Against	For	Against	For	Against	For	Against
1979-1980, total	16,884	19,333	2,191	441	2,057	13,189	123	272	11
President	13,745	12,933	813	123	737	12,538	65	272	11
Congress	2,339	981	1,378	318	1,321	642	58	(Z)	(NA)
Senate	1,654	359	1,295	127	1,263	232	12	(NA)	(NA)
House of Representatives	685	602	83	191	35	410	45	(Z)	(NA)
1983-1984, total	23,419	18,891	3,408	1,693	1,915	18,257	2,453	(NA)	(NA)
President	17,488	16,637	831	506	467	15,830	344	1	(NA)
Congress	5,951	3,313	2,638	957	826	2,427	2,109	(NA)	(NA)
Senate	4,627	2,134	2,493	326	410	1,806	2,082	(NA)	(NA)
House of Representatives	1,325	1,190	145	561	118	619	27	(NA)	(NA)
1985-1986, total ¹	16,388	9,333	1,373	3,489	985	5,376	493	6	-
Senate	5,312	4,331	980	908	632	3,343	348	(NA)	(NA)
House of Representatives	4,953	3,706	347	2,386	227	1,314	120	6	-

- Represents zero. NA Not available. Z Less than \$500. ¹ Includes some independent expenditures made for and against Presidential candidates that were paid in 1985-86 but related to 1983-84 elections, not shown separately.

Source: U.S. Federal Election Commission, *1979-80 FEC Index of Independent Expenditures*, November 1981; *1983-1984 FEC Index of Independent Expenditures*, July 1985; and *FEC Index of Independent Expenditures, 1985-86*, March 1988.

No. 441. PRESIDENTIAL CAMPAIGN FINANCES—PRIMARY CAMPAIGN RECEIPTS AND DISBURSEMENTS
AND FEDERAL FUNDS FOR GENERAL ELECTION: 1979-1980 AND 1983-1984

[In millions of dollars. Covers campaign finance activity during 2 year calendar period indicated. Based on disclosure documents submitted by candidates, their principal campaign committees, and other authorized committees. Figures adjusted to eliminate refunds and rebates, refunded contributions, loan repayments, and transfers to or from affiliated committees]

RECEIPTS AND DISBURSEMENTS	PRIMARY CAMPAIGN						GENERAL ELECTION—NET FEDERAL FUNDS DISTRIBUTED			
	1979-1980 ¹			1983-1984 ²			1979-1980		1983-1984	
	Total	Democ-ratic	Republi-can	Total ³	Democ-ratic	Republi-can	Candidate	Amount	Candidate	Amount
Receipts, total ⁴	94.2	35.6	58.6	105.0	77.5	27.1	Total	62.7	Total	80.9
Individual							Anderson ⁵	4.2	Mondale	40.2
contributions	61.0	23.9	37.1	62.8	46.2	16.4	Carter	29.4	Reagan	40.1
Federal matching							Reagan	29.2		
funds	30.9	10.3	20.5	34.9	24.6	10.1				
Disbursements	92.3	35.6	56.7	103.6	77.4	25.9				

¹ Covers 10 candidates who received Federal matching funds (Democrats: Edmund Brown, James Carter, Edward Kennedy, and Lyndon LaRouche; Republicans: John Anderson, Howard Baker, George Bush, Phillip Crane, Robert Dole, and Ronald Reagan). ² Covers 11 candidates who received Federal matching funds (Democrats: Reubin Askew, Alan Cranston, John Glenn, Gary Hart, Ernest Hollings, Jesse Jackson, Lyndon LaRouche, George McGovern and Walter Mondale; Republican: Ronald Reagan; Citizens Party: Sonia Johnson). ³ Includes Citizens Party candidate not shown separately. ⁴ Includes other types of receipts, not shown separately. ⁵ John Anderson, as the candidate of a new party, was permitted to raise funds privately. Total receipts for the Anderson campaign, including Federal funds, were 17.6 million dollars and total expenditures were 15.6 million dollars.

Source: U.S. Federal Election Commission, *FEC Reports on Financial Activity, 1979-1980, Final Report, Presidential Pre-Nomination Campaigns*, October 1981; November 15, 1981 press release on public financing 1980 Presidential election; and *FEC Reports on Financial Activity, 1983-84, Final Report, Presidential Pre-Nomination Campaigns*, April 1986; June 4, 1983 press release on final 1984 Presidential statistical report.

No. 442. POLITICAL ACTION COMMITTEES—NUMBER BY COMMITTEE TYPE: 1974 TO 1987
[As of December 31, except 1975 as of November 24]

YEAR	Total	Cor-porate	Labor	Trade/mem-ber-ship/health	Non-con-nected	Coop-erative	Corpo-ration without stock
1974	606	89	201	318			
1975	722	139	226	357			
1976	1,146	433	224	489			
1977	1,360	550	234	438	110	8	20
1978	1,653	785	217	453	182	12	24
1979	2,000	950	240	514	247	17	32
1980	2,551	1,206	297	576	374	42	56
1981	2,901	1,329	318	614	531	41	65
1982	3,371	1,489	360	649	723	47	103
1983	3,525	1,536	376	643	793	51	122
1984	4,009	1,682	394	698	1,053	52	130
1985	3,992	1,710	388	695	1,003	54	142
1986	4,157	1,744	384	745	1,077	58	151
1987	4,165	1,775	384	665	957	59	145

Source: U.S. Federal Election Commission, press release January 18, 1988.

No. 443. CONGRESSIONAL CAMPAIGN FINANCES—RECEIPTS AND DISBURSEMENTS: 1981 TO 1988

Covers all campaign finance activity during 2 year calendar period indicated for primary, general, run-off, and special elections. For 1981-1982 relates to 1,957 House of Representatives candidates and to 283 Senate candidates; for 1983-1984 to 1,782 House of Representatives candidates and 254 Senate candidates; for 1985-1986 to 1,611 House of Representatives candidates and 222 Senate candidates. Data have been adjusted to eliminate transfers between all committees within a campaign. For further information on legal limits of contributions, see source's brochure "Contributions".

Year	HOUSE OF REPRESENTATIVES						SENATE					
	Amount (mil. dol.)			Percent distribution			Amount (mil. dol.)			Percent distribution		
	1981-1982	1983-1984	1985-1986	1981-1982	1983-1984	1985-1986	1981-1982	1983-1984	1985-1986	1981-1982	1983-1984	1985-1986
Total receipts ¹	213.2	222.5	207.7	100.0	100.0	100.0	141.5	174.7	214.4	100.0	100.0	100.0
Contributions:												
\$500 and over	34.0	37.5	50.4	15.9	16.8	19.8	36.6	44.0	68.6	25.9	25.2	32.0
Party committee	8.1	5.5	3.6	2.8	2.5	1.0	1.2	1.1	1.4	.9	.6	.6
Non-party committee	61.1	75.7	67.4	28.8	34.0	33.9	22.8	29.7	45.3	15.8	17.0	21.1
Democrats	108.6	121.4	138.9	51.1	54.8	54.3	69.0	84.2	91.8	48.8	48.2	42.6
Republicans	104.1	100.5	117.7	48.8	48.2	45.7	72.1	90.3	122.5	51.0	51.7	57.1
Others	.3	.6	.1	.1	.2	(0)	.4	.2	.1	.3	.1	(0)
Incumbents	110.6	132.4	148.7	51.9	59.5	59.1	55.1	74.8	93.3	38.9	42.6	42.1
Challengers	53.7	55.5	49.2	25.2	25.0	19.1	48.0	36.9	67.2	33.9	22.3	31.3
Open seats ²	48.8	34.6	59.6	22.9	15.5	22.8	38.4	61.0	59.9	27.1	34.9	26.5
Total disbursements	204.6	209.8	209.9	100.0	100.0	100.0	136.4	170.5	211.5	100.0	100.0	100.0
Democrats	103.1	111.0	129.7	50.5	54.5	53.8	68.9	82.0	99.0	48.3	48.1	42.0
Republicans	100.6	91.8	110.5	49.3	45.1	46.2	71.1	88.3	122.6	51.4	51.8	57.9
Others	.3	.7	.1	.2	.3	(0)	.4	.2	(0)	.3	.1	(0)
Incumbents	102.6	114.8	132.5	50.3	56.5	55.4	52.9	72.1	96.3	38.2	42.3	42.2
Challengers	53.1	54.7	48.8	26.1	26.9	20.4	47.6	38.9	68.2	34.4	22.5	31.3
Open seats ²	48.2	33.9	59.0	23.6	16.7	24.2	37.9	60.1	66.1	27.4	35.3	26.5

Z Less than \$50,000 or .05 percent. ¹ Includes other types of receipts, not shown separately. ² Elections in which an incumbent did not seek re-election.

Source: U.S. Federal Election Commission, *FEC Reports on Financial Activity, 1981-1982, Final Report, U.S. Senate and House Campaigns*, October 1983; *FEC Reports on Financial Activity, 1983-84, Final Report, U.S. Senate and House Campaigns*, November 1985; and *FEC Reports on Financial Activity, 1985-86, Final Report, U.S. Senate and House Campaigns*, March 1988.

No. 444. CONTRIBUTIONS TO CONGRESSIONAL CAMPAIGNS BY POLITICAL ACTION COMMITTEES (PAC)
BY TYPE OF COMMITTEE: 1979 TO 1988

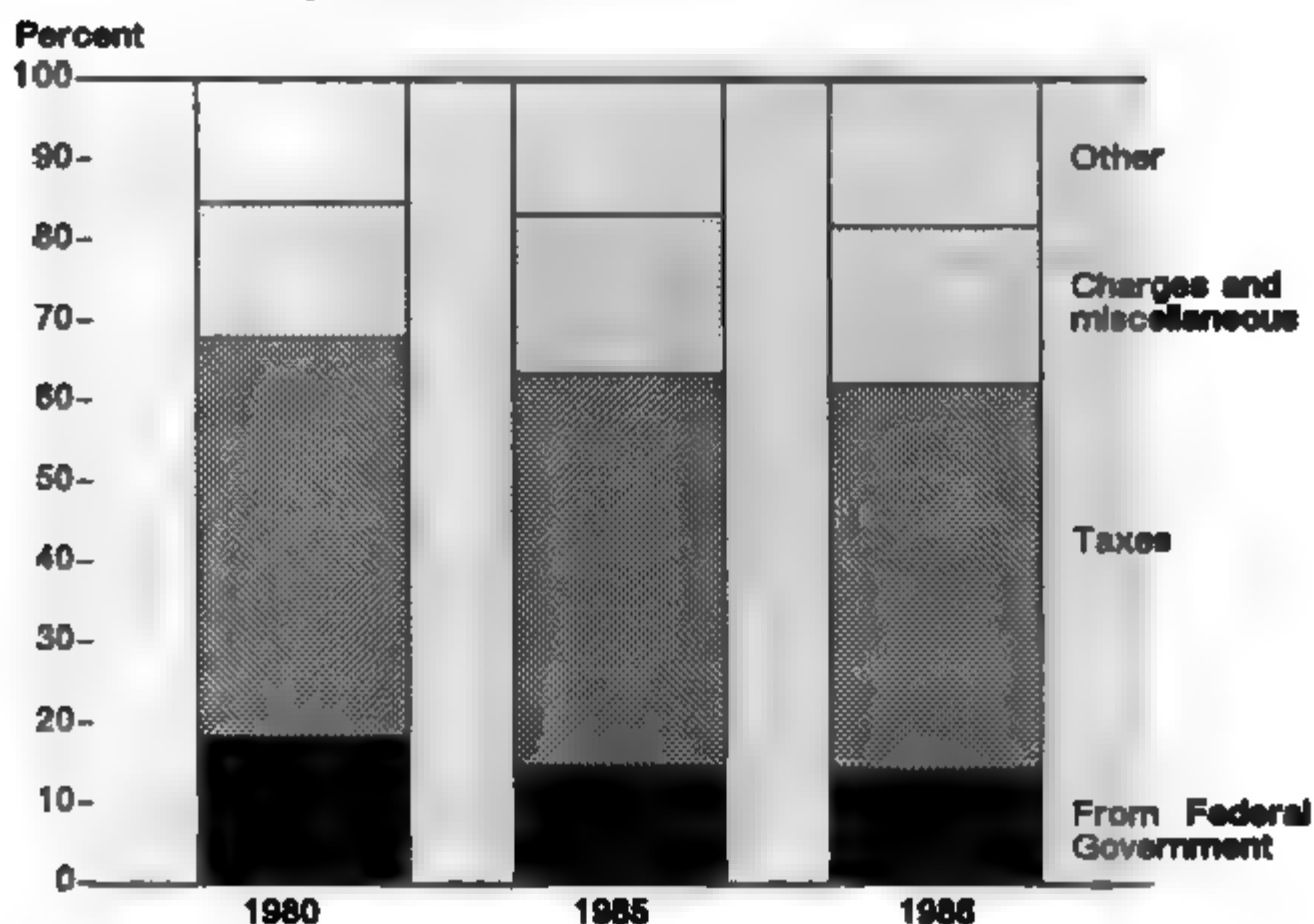
(In millions of dollars. Covers amounts given to candidates in primary, general, run-off, and special elections during the two-year calendar period indicated)

Type of Committee	HOUSE OF REPRESENTATIVES						SENATE					
	Total	Democrats	Republicans	Incumbents	Challengers	Open seats ¹	Total	Democrats	Republicans	Incumbents	Challengers	Open seats ¹
1979-1980, total ²	37.9	20.5	17.2	34.9	7.9	5.1	17.3	8.4	9.9	8.6	6.8	2.1
Corporate	12.2	4.8	7.5	8.1	2.6	1.5	6.9	2.1	4.8	2.7	3.3	.9
Trade association ³	17.7	5.1	8.6	8.0	2.2	1.5	4.1	1.9	2.2	2.2	1.4	.5
Labor	9.4	8.9	.4	6.6	1.5	1.2	3.6	3.4	.4	2.7	.7	.4
Non-connected ⁴	3.1	.8	2.1	1.0	1.4	.7	1.9	.5	1.4	.5	1.1	.3
1981-1982, total ²	61.1	34.2	26.8	49.8	10.8	9.4	22.6	11.2	11.4	14.3	5.2	3.0
Corporate	18.9	7.0	12.0	14.4	2.0	2.6	8.6	2.4	6.2	5.5	1.7	1.4
Trade association ³	19.6	7.2	9.7	12.4	2.1	2.3	5.0	2.2	2.8	3.7	.8	.5
Labor	15.4	14.7	.7	8.5	4.3	2.6	4.9	4.5	.4	3.0	1.9	.5
Non-connected ⁴	7.4	3.8	3.5	3.4	2.5	1.8	3.3	1.6	1.7	1.5	1.3	.5
1983-1984, total ²	75.7	46.3	29.3	57.2	11.3	7.2	29.7	14.9	15.6	17.9	8.3	5.4
Corporate	23.4	10.4	13.1	18.6	2.6	2.0	12.0	3.2	8.8	6.8	1.1	2.2
Trade association ³	20.4	10.5	9.9	16.5	2.1	1.7	8.3	2.7	3.7	4.5	.9	1.0
Labor	19.6	18.8	1.0	14.3	3.5	2.0	6.0	4.7	.3	1.6	2.9	1.2
Non-connected ⁴	9.1	4.7	4.4	4.9	2.9	1.3	5.4	3.0	2.4	2.4	2.0	1.0
1985-1986, total	67.4	34.7	32.8	65.9	8.1	12.4	45.3	26.5	26.1	23.7	16.3	11.9
Corporate	26.9	12.9	14.0	22.9	1.0	3.0	19.2	4.8	14.4	11.7	2.7	4.9
Trade association ³	23.4	12.3	11.2	19.3	1.3	2.8	9.5	3.9	5.7	5.7	1.6	2.1
Labor	22.6	21.1	1.6	14.7	4.3	3.6	7.2	8.6	.6	2.2	3.2	1.9
Non-connected ⁴	11.1	6.8	4.5	6.1	2.4	2.6	7.7	4.2	3.4	3.1	2.4	2.2
Cooperative	1.9	1.1	.8	1.7	(0)	.2	.8	.3	.3	.4	1	1
Corporation without stock	1.4	.8	.6	1.2	.1	.2	1.0	.4	.6	.8	.2	.2

Z Less than \$50,000. ¹ Elections in which an incumbent did not seek re-election. ² Includes other types of political action committees not shown separately. ³ Includes membership organizations and health organizations. ⁴ Represents "ideological" groups as well as other issue groups not necessarily ideological in nature.

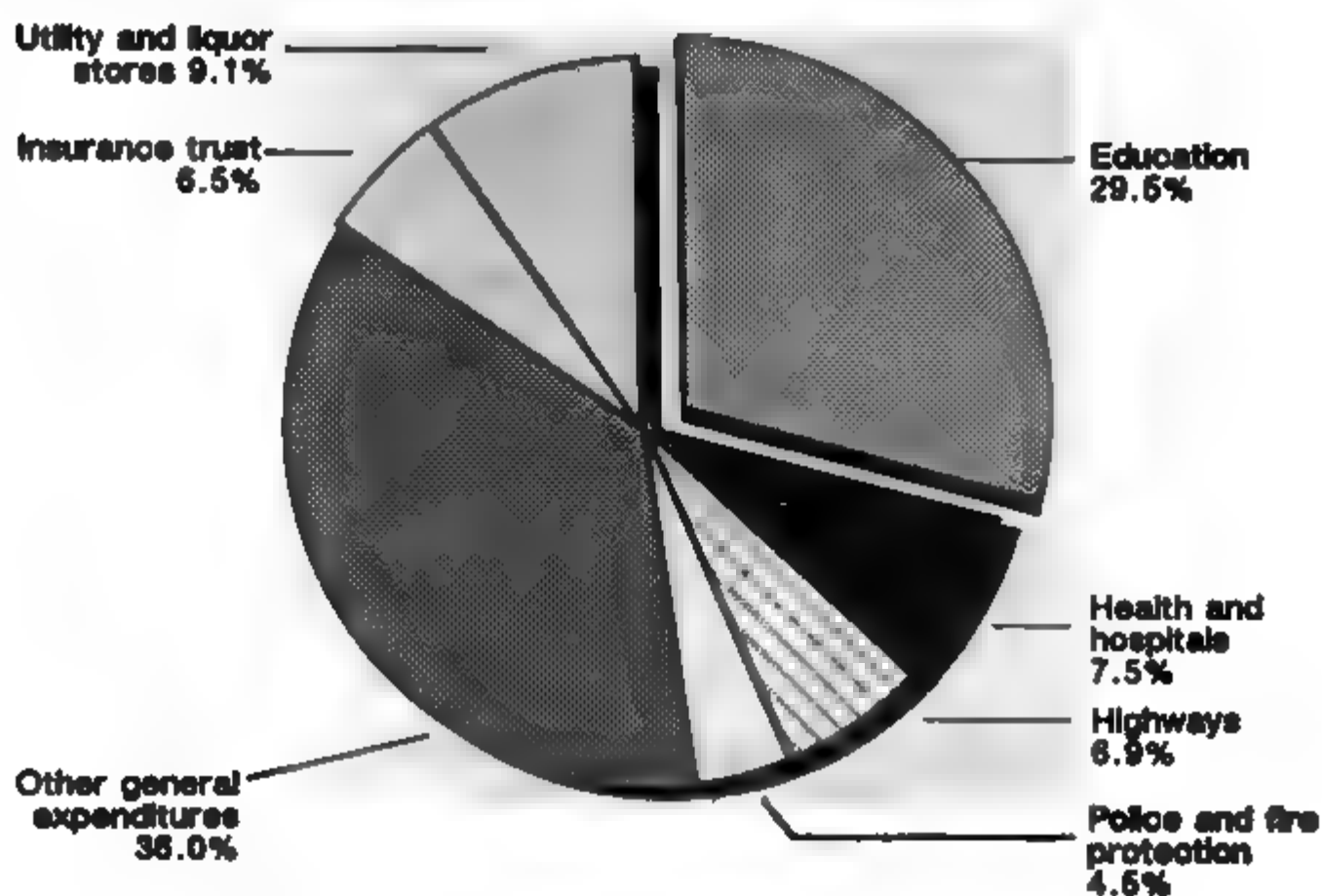
Source: U.S. Federal Election Commission, *FEC Reports on Financial Activity, 1979-1980, Final Report, U.S. Senate and House Campaigns*, March 1982; *FEC Reports on Financial Activity, 1981-1982, Final Report, U.S. Senate and House Campaigns*, October 1983; *FEC Reports on Financial Activity, 1983-1984, Final Report, U.S. Senate and House Campaigns*, November 1985; and *FEC Reports on Financial Activity, 1985-86, Final Report, U.S. Senate and House Campaigns*, March 1988.

Figure 9.1
State and Local Government Revenue—Percent
Distribution, by Source: 1980 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 453.

Figure 9.2
State and Local Government Expenditure—Percent
Distribution, by Sector: 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 453.



Section 9

State and Local Government Finances and Employment

This section presents data on revenues, expenditures, debt, and government employment of State and local governments. Nationwide statistics relating to State and local governments, their numbers, finances, and employment, are compiled primarily by the Bureau of the Census through a program of censuses and surveys. Every fifth year (for years ending in "2" and "7") the Bureau conducts a Census of Governments involving collection of data for all governmental units in the United States. In addition, the Bureau conducts annual surveys which cover all the State governments and a sample of local governments.

Publications issued annually by the Bureau of the Census include a report on governmental finances which presents figures for the Federal Government, nationwide totals for State and local governments, by type, and State-local data by States. Also issued annually are a series of publications on State, city, county, and school finances, and on city, county, and other public employment. Financial data are published in the GF publication series; employment data in the GE series. There is also a series of quarterly reports covering tax revenue, and of finances of major public employee retirement systems, as well as a series (GSS) of special studies. *Recurrent Publications on Governments* describes the publication program.

Basic information for Census Bureau statistics on governments is obtained by mail canvass from State and local officials; however, financial data for each of the State governments and for many of the large local governments are compiled from their official records and reports by Census Bureau personnel. In over half of the States, all or part of local government financial data are obtained through central collection arrangements with State governments. Financial data on the Federal Government is based on the *Budget* published by the Office of Management and Budget (see page 301).

Governmental units.—The governmental structure of the United States includes, in addition to the Federal Government and the States, thousands of local governments—counties, municipalities, townships, school districts, and numerous kinds of "special districts." As shown by table 445, almost 83,200 local governments were identified by the 1987 Census of Governments. As defined by the census, governmental units include all agencies or bodies having an organized existence, governmental character, and substantial autonomy. While most of these governments can impose taxes, many of the special districts—such as independent public housing authorities, the New York Port Authority, and numerous local irrigation, power, and other types of districts—are financed from rentals, charges for services, benefit assessments, grants from other governments, toll charges, and other nontax sources. The count of governments excludes semi-autonomous agencies through which States, cities, and counties sometimes provide for certain functions—for example, "dependent" school systems, State institutions of higher education, and certain other "authorities" and special agencies which are under the administrative or fiscal control of an established governmental unit.

Finances.—Unless otherwise stated, financial data relate to fiscal years ending in the year shown. Most States end their fiscal year June 30; however Alabama and Michigan end their fiscal years Sept. 30; New York, March 31; and Texas, Aug. 31. The Federal Government ended the fiscal year June 30 until 1976 when its fiscal year, by an act of Congress, was revised to extend from Oct. 1 to Sept. 30. A three-month quarter (July 1 to Sept. 30, 1976) bridged the transition. Beginning 1983, local government figures are for fiscal years which close at various dates during the 12 months ended June 30 of the year specified (exceptions are school districts in Alabama, which close Sept. 30 of the specified year; school districts in Texas, which close Aug. 31 of year cited; and Washington, DC which ends its fiscal year Sept. 30); figures for 1982 and earlier years are for fiscal years ended during the calendar year.

Nationwide government finance statistics have been classified and presented in terms of uniform concepts and categories, rather than according to the highly diverse terminology, organization, and fund structure utilized by individual governments. Accordingly, financial statistics which appear here for the Federal Government and for individual States or local governments have been standardized and may not agree directly with figures appearing in the original sources.

Statistics on governmental finances distinguish among general government, utilities, liquor stores, and insurance trusts. *General government* comprises all activities except utilities, liquor stores, and insurance trusts. Utilities include government water supply, electric light and power, gas supply, and transit systems. Liquor stores are operated by 17 States and by local governments in six States. Insurance trusts relate to employee retirement, unemployment compensation, and other social insurance systems administered by the Federal, State, and local governments.

Data for cities relate only to municipal corporations and their dependent agencies, and do not include amounts for other local governments overlying city areas. Therefore, expenditure figures for "education" do not include spending by the separate school districts which administer public schools within most municipal areas. Variations in the assignment of governmental responsibility for public assistance, health, hospitals, public housing, and other functions to a lesser degree also have an important effect upon reported amounts of city expenditure, revenue, and debt. Therefore, any intercity comparisons based upon these figures should be made with caution, and with due recognition of variations that exist among urban areas in the relative role of the municipal corporation.

Employment and payrolls.—These data are based mainly on mail canvassing of State and local governments. Payroll includes all salaries, wages, and individual fee payments for the month specified, and employment relates to all persons on governmental payrolls during a pay period of the month covered—including paid officials, temporary help, and (unless otherwise specified) part-time as well as full-time personnel. Beginning 1966, statistics for full-time equivalent employment have been computed with a formula using hours worked by part-time employees. A payroll based formula was used prior to 1965. Full-time equivalent employment statistics were not computed for 1965. Figures shown for individual governments cover major dependent agencies such as institutions of higher education, as well as the basic central departments and agencies of the government.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

No. 445. NUMBER OF GOVERNMENTAL UNITS, BY TYPE OF GOVERNMENT: 1942 TO 1987

[See text, section 9]

TYPE OF GOVERNMENT	1942	1942 ¹	1967 ¹	1963	1967	1972	1977	1982	1987
Total	185,116	116,887	108,939	91,237	81,889	78,289	79,913	61,831	63,237
U.S. Government	1	1	1	1	1	1	1	1	1
State government	49	50	50	50	50	50	50	50	50
Local governments	185,067	166,786	102,341	91,136	81,248	78,218	79,862	61,780	63,186
County	3,050	3,052	3,050	3,043	3,040	3,044	3,042	3,041	3,042
Municipal	16,220	13,907	17,215	18,000	18,048	18,517	18,862	19,076	19,200
Township and town	18,919	17,202	17,188	17,142	17,105	16,991	16,822	16,734	16,991
School district	108,579	67,355	59,454	34,678	21,782	15,781	15,174	14,851	14,721
Special district	9,200	12,340	14,424	18,323	21,264	23,885	25,962	28,078	29,532

¹ Adjusted to include units in Alaska and Hawaii which adopted statehood in 1959.

Source: U.S. Bureau of the Census, *Census of Governments: 1967*, vol. 1, No. 1, *Governmental Organization*, 1962, vol. 8, No. 4, *Historical Statistics on Governmental Finances and Employment* (GC82(6)-4), and *Census of Governments, 1967*, vol. 1, No. 1, *Government Organization*.

No. 443. ALL GOVERNMENTS—REVENUE, EXPENDITURE, AND DEBT: 1970 TO 1986

[For fiscal years ending in year shown; see text, section 8. Local government amounts are estimates subject to sampling variation; see Appendix II and source. See also Historical Statistics, Colonial Times to 1970, series Y 505-537 and Y 652-646]

ITEM AND YEAR	All governments (bil. dol.)	FEDERAL ¹		STATE AND LOCAL (bil. dol.)			ANNUAL PERCENT CHANGE ²			PER CAPITA ³ (dollars)		
		Total (bil. dol.)	Per- cent of total	Total	State	Local	Fed- eral	State	Local	Total	Fed- eral	State and local
Revenue: * 1970	* 334	208	61.8	* 150	86	86	7.5	10.5	8.1	* 1,642	1,011	738
1980	* 632	595	90.7	* 452	277	258	10.8	12.0	11.2	* 4,115	2,498	1,616
1985	* 1,419	807	56.9	* 720	439	402	7.4	9.7	9.3	* 5,943	3,379	3,016
1986	* 1,516	848	55.9	* 763	461	435	5.1	9.5	8.0	* 6,286	3,515	3,249
Intergovernmental: 1970	(X)	-	(X)	* 22	20	30	-	11.8	11.3	(X)	-	108
1980	(X)	2	(X)	* 83	64	102	(X)	12.3	13.3	(X)	8	367
1985	(X)	2	(X)	* 108	90	138	1.8	8.9	6.2	(X)	8	445
1986	(X)	2	(X)	* 113	99	147	10.7	9.7	8.8	(X)	9	489
General (own sources):												
1970	272	164	60.0	108	58	51	6.5	10.8	8.4	1,340	805	536
1980	717	417	58.2	298	189	130	9.8	11.4	9.7	3,163	1,842	1,321
1985	1,050	558	53.2	482	276	216	8.0	10.3	10.7	4,400	2,339	2,081
1986	1,107	576	52.3	528	295	233	3.8	8.8	8.1	4,591	2,389	2,191
Taxes: * 1970	233	146	62.7	87	48	39	6.6	10.3	7.8	1,145	719	427
1980	574	351	61.1	223	137	86	9.2	11.1	8.3	2,535	1,548	886
1985	804	454	56.4	360	216	134	5.3	9.5	8.3	3,369	1,902	1,466
1986	845	472	55.8	373	228	145	3.9	9.6	7.8	3,505	1,957	1,547
Property: 1970	34	-	(X)	34	1	33	(X)	6.1	7.6	188	-	188
1980	88	-	(X)	88	3	85	(X)	10.2	7.1	302	-	302
1985	104	-	(X)	104	4	100	(X)	6.8	8.8	435	-	435
1986	112	-	(X)	112	4	107	(X)	9.3	7.8	483	-	483
Individual income: 1970	101	80	89.3	11	9	2	8.3	15.3	20.4	498	445	53
1980	288	244	85.3	42	37	5	10.4	15.0	11.6	1,283	1,077	186
1985	401	331	82.5	70	64	6	8.3	11.5	5.3	1,881	1,386	295
1986	423	349	82.4	74	67	7	6.5	9.6	7.7	1,796	1,447	309
Corporate income:												
1970	37	39	89.8	4	4	(*)	4.3	12.2	(X)	180	181	18
1980	79	65	82.9	13	13	-	7.0	13.6	-	344	285	59
1985	80	61	76.2	19	18	2	-1.0	5.8	(X)	337	257	80
1986	83	63	76.0	20	18	2	3.0	4.2	4.4	345	262	83
Rates or gross po- pulation: 1970	48	* 18	37.6	30	27	3	3.6	10.0	8.8	239	* 780	149
1980	112	* 32	28.6	60	55	12	5.8	9.6	14.7	484	* 1,411	353
1985	178	* 49	28.0	126	105	21	8.9	9.2	11.7	736	* 2,096	529
1986	182	* 47	25.8	135	112	23	-4.3	6.6	8.0	755	* 1,985	580
Current charges and mis- cellaneous: 1970	40	18	44.2	22	10	13	5.7	14.0	10.0	195	86	108
1980	142	67	46.7	78	33	44	14.3	12.9	13.3	629	294	335
1985	248	104	42.5	142	60	82	9.4	13.3	13.3	1,031	439	593
1986	282	107	40.7	155	67	88	2.0	11.3	9.5	1,096	442	644
Expenditures: * 1970	* 333	208	62.5	* 148	85	83	7.9	10.4	8.0	* 1,638	1,024	728
1980	* 659	617	94.4	* 434	258	281	11.5	11.7	10.9	* 4,232	2,724	1,916
1985	* 1,581	1,032	65.3	* 886	581	281	10.8	8.7	8.4	* 6,622	4,323	2,766
1986	* 1,686	1,096	64.6	* 718	424	429	6.2	8.6	9.5	* 7,035	4,548	2,876
Intergovernmental: 1970	(X)	29	(X)	* -	29	1	12.8	11.6	11.7	(X)	114	-
1980	(X)	91	(X)	* 2	85	2	14.6	11.3	10.8	(X)	401	8
1985	(X)	107	(X)	* 2	122	4	3.4	7.6	18.1	(X)	448	8
1986	(X)	116	(X)	* 2	132	5	7.8	8.6	18.9	(X)	480	9
Direct: * 1970	333	185	55.5	148	56	92	7.4	9.8	8.0	1,638	910	728
1980	869	526	60.4	432	173	259	11.0	11.9	10.9	4,232	2,323	1,908
1985	1,581	925	58.5	856	389	387	11.9	9.2	8.4	6,622	3,874	2,748
1986	1,686	981	57.8	715	292	423	6.0	8.6	9.4	7,035	4,069	2,967
Current operations: 1970	187	98	50.3	88	31	67	8.1	12.5	9.6	989	467	482
1980	517	209	40.5	308	108	200	7.8	13.3	11.6	2,282	923	1,359
1985	833	380	43.3	472	172	300	11.5	8.7	8.5	3,486	1,509	1,979
1986	898	398	43.0	512	186	325	7.3	8.2	8.4	3,724	1,803	2,122
Capital outlay: 1970	48	18	37.6	30	13	16	6	7.2	6.6	234	68	146
1980	89	36	39.7	63	23	40	7.4	5.8	9.2	439	161	278
1985	187	77	49.1	80	31	49	16.1	5.6	4.5	857	323	235
1986	176	86	48.8	90	35	58	11.2	12.7	13.5	730	355	375
Debt outstanding: * 1970	514	371	72.1	144	42	102	2.6	8.5	7.1	2,531	1,824	706
1980	1,250	814	73.2	399	122	214	9.4	11.3	7.7	5,517	4,036	1,481
1985	2,386	1,827	76.3	989	212	357	14.9	11.7	10.8	10,036	7,855	2,382
1986	2,788	2,130	76.4	959	248	411	15.5	15.9	15.3	11,565	8,833	2,733

- Represents zero. X Not applicable. ¹ Data adjusted to system for reporting State and local data and therefore differ from figures in section 10 tables. ² Represents average for period of intervals shown; for 1970, change from 1960. For explanation, see Guide to Tabular Presentation. Minus sign (-) indicates decrease. ³ 1970 and 1980, based on enumerated resident population as of April 1, 1965 and 1980 based on estimated resident population as of July 1. Excludes intergovernmental amounts. * Includes amounts, not shown separately. * Aggregate exclude duplicative transactions between levels of government; see source. * Minor amounts included in individual income tax. * Includes customs. * End of fiscal year.

Source: U.S. Bureau of the Census, Census of Governments: 1977 and 1982, Historical Statistics on Governmental Finance and Employment (HC 77(3)-4 and 82(3)-4); and Government Finance, series GF, No. 5, annual.

No. 447. ALL GOVERNMENTS—REVENUE AND EXPENDITURE, BY LEVEL OF GOVERNMENT: 1988

[For fiscal year ending in year shown, see text, section 9. Local government amounts are estimates subject to sampling variation; see source and Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series Y 505-637 and Y 652-848]

SOURCE OF REVENUE AND TYPE OF EXPENDITURE	All governments (mil. dol.)	Federal (mil. dol.)	State (mil. dol.)	Local (mil. dol.)	PERCENT		PER CAPITA ¹ (dol.)	
					Federal	State and local	Federal	State and local
Revenue	1,516,823	847,516	481,174	1,434,802	100.0	100.0	2,515	2,246
Intergovernment revenue	(²)	2,139	98,574	147,258	.3	14.4	9	489
Revenue from own sources	1,516,523	845,378	382,600	287,545	99.7	85.6	3,506	2,760
General revenue from own sources	1,106,832	578,473	294,302	233,467	66.3	67.5	2,399	2,191
Percent of total revenue	73.0	68.3	61.3	59.7	(x)	(x)	(x)	(x)
Taxes ³	844,949	471,896	228,054	144,967	55.7	47.6	1,957	1,547
Property	111,711	(x)	4,355	107,365	(x)	14.3	(x)	483
Individual income	423,378	348,959	67,489	6,948	41.2	9.5	1,447	309
Corporation income	63,094	63,143	18,383	1,568	7.5	2.5	262	63
Sales and gross receipts	182,017	47,046	112,343	22,628	5.8	17.2	195	580
Customs duties	13,420	13,420	(x)	(x)	1.5	(x)	55	(x)
General sales and gross receipts	90,710	(x)	74,821	15,889	(x)	11.6	(x)	376
Selective sales and gross receipts ⁴	77,886	33,626	37,522	8,739	4.0	5.7	139	184
Motor fuel	28,041	11,841	14,087	313	1.4	1.8	48	60
Alcoholic beverages	8,924	5,801	3,082	281	.7	.4	23	14
Tobacco products	9,257	4,808	4,448	200	.6	.8	19	19
Public utilities	15,074	5,047	6,003	4,024	.8	1.3	21	42
Motor vehicle and operators' licenses	8,942	(x)	8,374	568	(x)	1.1	(x)	37
Death and gift	8,482	6,958	2,534	-	.6	.3	29	11
Charges and misc. general revenue ⁵	261,583	106,575	88,848	88,480	12.6	19.6	442	644
Current charges ⁶	143,991	63,291	29,887	50,413	7.5	10.3	283	333
National defense and international relations	8,774	8,774	(x)	(x)	.8	(x)	28	(x)
Postal service	29,099	29,099	(x)	(x)	3.4	(x)	121	(x)
Education ⁷	23,745	-	17,163	6,582	-	3.0	-	96
School lunch sales	2,794	(x)	10	2,784	(x)	.4	(x)	12
Higher education	19,060	-	16,960	2,100	-	2.4	-	79
Natural resources	15,844	14,705	807	331	1.7	1	61	8
Hospitals	22,954	124	6,300	16,530	(2)	2.9	1	96
Sewerage and sanitation	10,809	(x)	2	10,807	(x)	1.4	(x)	45
Parks and recreation	2,284	61	619	1,604	(2)	.3	(2)	9
Housing and community development	5,897	3,396	228	1,974	.4	.3	14	9
Air transportation	3,522	86	306	3,148	(2)	.4	(2)	14
Water transport and terminals	1,757	527	324	908	.1	.2	2	5
Special assessments	2,183	(x)	142	2,021	(x)	.3	(x)	9
Sale of property	3,783	2,897	137	849	.3	1	11	5
Interest earnings	49,833	13,931	17,745	18,158	1.8	4.8	58	148
Utility revenue	43,860	(x)	2,907	40,943	(x)	5.8	(x)	182
Liquor stores	3,313	(x)	2,807	506	(x)	.4	(x)	14
Insurance trust revenue	361,528	286,905	81,984	12,639	31.6	12.1	1,107	392
Expenditure	1,894,306	1,894,401	434,219	1,487,980	100.0	100.0	4,548	2,979
Intergovernment expenditure	(²)	116,632	131,986	4,791	10.5	.3	480	9
General revenue sharing	(²)	5,113	(x)	(x)	.5	(x)	21	(x)
Direct expenditure	1,894,204	980,769	292,249	423,190	99.5	99.7	4,068	2,967
General expenditure	1,284,261	680,577	244,553	356,131	62.1	84.1	2,823	2,504
Percent of total expenditure	75.7	62.1	57.6	83.9	(x)	(x)	(x)	(x)
Education ⁸	224,400	13,561	58,280	152,559	1.2	29.4	59	674
Elementary and secondary education	145,111	-	1,159	143,952	-	20.2	-	602
Higher education	56,536	-	47,928	8,607	-	7.9	-	234
Public welfare	99,895	25,790	56,256	17,818	2.4	10.3	107	308
Health and hospitals	66,706	16,093	26,471	26,142	1.4	7.5	63	222
Highways	49,936	588	30,191	19,177	1	6.9	2	205
Police protection	26,228	3,543	3,328	19,357	.3	3.2	15	64
Fire protection	9,587	(x)	(x)	9,587	(x)	1.3	(x)	40
Corrections	15,755	798	9,855	5,102	.1	2.1	3	82
Natural resources ⁴	79,313	60,075	8,631	10,607	5.5	2.7	249	80
Sewerage and sanitation	19,142	(x)	341	18,801	(x)	2.7	(x)	79
Housing and community development	19,210	7,925	1,189	10,096	.7	1.6	33	47
Governmental administration	40,422	8,819	12,222	19,581	.8	4.4	36	132
Interest on general debt	181,231	144,167	16,876	20,188	13.1	6.2	598	154
Other	450,687	400,418	21,932	28,318	36.5	7.0	1,081	208
Utility expenditure	82,430	(x)	5,530	56,900	(x)	8.7	(x)	259
Liquor stores expenditure	2,897	(x)	2,418	449	(x)	.4	(x)	12
Insurance trust expenditure	348,851	300,182	39,749	8,710	27.4	6.5	1,245	169
By character and object								
Current operation	897,954	386,386	186,188	325,378	35.2	71.3	1,603	2,122
Capital outlay	178,104	86,847	34,560	65,907	7.5	12.6	365	375
Construction	79,837	11,886	26,557	41,414	1.1	9.5	49	282
Equip. land and existing structures	99,286	73,781	7,993	14,483	6.7	3.1	306	83
Assistance and subsidies	88,963	64,375	14,162	8,426	5.9	3.1	267	64
Interest on debt (general and utility)	188,537	144,167	17,801	26,789	13.1	6.2	598	164
Insurance benefits and repayments	348,851	300,182	39,749	8,710	27.4	6.5	1,245	169
Expenditure for salaries and wages	379,878	123,064	78,096	180,526	11.2	35.8	510	1,064

- Represents or rounds to zero. X Not applicable. Z Less than .05 percent or \$50. ¹ Based on estimated resident population as of July 1. ² Aggregates exclude duplicative transactions between levels of government; see source. ³ Includes amounts not shown separately. ⁴ Includes parks and recreation.

Source: U.S. Bureau of the Census, *Government Finances, 1985-86*, series GF 88, No. 5.

NO. 448. ALL GOVERNMENTS—EXPENDITURE FOR CAPITAL OUTLAY, BY LEVEL OF GOVERNMENT* AND BY FUNCTION 1970 TO 1987

(In billions of dollars, except percent. For those years ending in zero shown are the number 0. Amounts for 1987 are government data on activities subject to existing legislation and approved by the Joint Committee on Printing. 1970-1971: 525-526; 1972-1973: 527-528; 1974-1975: 529-530; 1976-1977: 531-532; 1978-1979: 533-534; 1980-1981: 535-536; 1982-1983: 537-538; 1984-1985: 539-540; 1986-1987: 541-542)

LEVEL AND FUNCTION	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total	47,376	48,888	50,185	51,388	52,480	53,480	54,380	55,380	56,380	57,380	58,380	59,380	60,380	61,380	62,380	63,380	64,380	65,380
Federal Government																		
Total	17,880	17,780	18,180	18,480	18,780	19,080	19,380	19,680	19,980	20,280	20,580	20,880	21,180	21,480	21,780	22,080	22,380	22,680
Percent change	-2.1	4.1	12.1	-2.1	34.1	38.1	39.1	40.1	41.1	42.1	43.1	44.1	45.1	46.1	47.1	48.1	49.1	50.1
As percent of direct expenditures	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
By function:																		
Transportation	14,380	14,380	14,380	14,380	14,380	14,380	14,380	14,380	14,380	14,380	14,380	14,380	14,380	14,380	14,380	14,380	14,380	14,380
Education	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
Highways	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
Health and hospitals	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Natural resources	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Housing	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Air transportation	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Water transportation	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
All other	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
State and local governments																		
Total	29,496	31,108	32,005	32,902	33,700	34,400	35,000	35,700	36,400	37,100	37,800	38,500	39,200	39,900	40,600	41,300	42,000	42,700
Percent change	5.1	5.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1
As percent of direct expenditures	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1
By function:																		
Education	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1
Higher education	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Elementary and secondary	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
Highways	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1
Health and hospitals	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Natural resources	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Housing	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Air transportation	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Water transportation	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Sewerage	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Ports and navigation	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Utilities	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Water	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Electric	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Gas	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Other	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1

* Change from immediate prior year. ¹ Includes international relations and U.S. service schools. ² Includes community development. ³ Includes terminals. ⁴ Includes other education. ⁵ Beginning 1973, includes culture by State governments.

Source: U.S. Bureau of the Census, *Census of Governments: '87* and 1982, No. 6 and No. 4 *Historical Statistics on Governmental Finance and Employment and Government Finance*, series GF No. 5, annual.

NO. 449. STATE AND LOCAL GOVERNMENT RECEIPTS AND EXPENDITURES IN THE NATIONAL INCOME AND PRODUCT ACCOUNTS: 1970 TO 1987

(In billions of dollars. For explanation of national income, see text, p. 417)

ITEM	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Receipts	136.8	136.8	136.8	136.8	136.8	136.8	136.8	136.8	136.8	136.8	136.8	136.8	136.8	136.8	136.8	136.8	136.8	136.8
General, own sources	102.1	102.1	102.1	102.1	102.1	102.1	102.1	102.1	102.1	102.1	102.1	102.1	102.1	102.1	102.1	102.1	102.1	102.1
Personal tax and nontax receipts ¹	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6
Income taxes	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
Nontaxes	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
Corporate profits tax accounts	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
Indirect business tax and nontax accounts ²	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
Sales taxes	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
Property taxes	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
Contributions for social insurance	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
Federal grants-in-aid	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4
Expenditures³	134.8	134.8	134.8	134.8	134.8	134.8	134.8	134.8	134.8	134.8	134.8	134.8	134.8	134.8	134.8	134.8	134.8	134.8
Purchases of goods and services ⁴	118.4	118.4	118.4	118.4	118.4	118.4	118.4	118.4	118.4	118.4	118.4	118.4	118.4	118.4	118.4	118.4	118.4	118.4
Compensation of employees	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
Transfer payments to persons	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1
Net interest paid ⁵	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8
Less: Dividends received	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Subsidies ⁶	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6
Surplus	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Social insurance funds	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
Other	-5.1	-5.1	-5.1	-5.1	-5.1	-5.1	-5.1	-5.1	-5.1	-5.1	-5.1	-5.1	-5.1	-5.1	-5.1	-5.1	-5.1	-5.1

¹ Includes other items not shown separately. ² Includes wage accounts less disbursements of - \$40 million in 1980, not shown separately. ³ Interest paid less interest received. ⁴ Less current surplus of government enterprises.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1969-1988*, and *Survey of Current Business*, July issues.

NO. 450. FEDERAL GRANTS-IN-AID—SUMMARY: 1965 TO 1989

(For fiscal year ending in year shown; see text, section 9. Minus sign (—) indicates decrease)

YEAR	CURRENT DOLLARS							CONSTANT (1982) DOLLARS	
	Total grants (bil. dol.)	Average annual percent change ¹	Grants to individuals		Grants as percent of—			Total grants (bil. dol.)	Average annual percent change ¹
			Total (bil. dol.)	Percent of total grants	State-local gov't outlays ²	Federal outlays	Gross national product		
1965	10.9	7.9	3.7	33.9	15.1	9.2	1.6	35.4	7.5
1970	24.0	17.2	8.8	36.8	19.0	12.3	2.4	61.2	11.6
1975	49.8	15.7	16.4	33.0	22.6	15.0	3.3	87.1	7.3
1976	77.9	18.1	24.2	31.0	28.5	17.0	3.8	109.7	6.0
1979	82.9	6.4	26.9	32.4	25.8	16.5	3.4	108.7	-2.7
1980	91.5	10.4	31.9	34.8	25.8	16.5	3.4	105.9	-7
1981	94.8	3.8	35.9	38.0	24.7	14.0	3.2	100.7	-4.9
1982	95.2	-7.0	37.9	42.9	21.6	11.8	2.8	98.2	-12.4
1983	92.5	4.9	41.8	45.0	21.9	11.4	2.6	98.6	.7
1984	97.8	5.5	44.3	45.4	20.9	11.5	2.6	90.2	1.9
1985	105.9	8.5	48.1	45.4	20.9	11.2	2.7	93.9	4.1
1986	112.4	6.1	52.8	47.0	20.5	11.3	2.7	98.7	3.0
1987	108.4	-3.6	56.4	52.0	18.2	10.8	2.6	90.8	-8.3
1988, est.	116.7	7.7	61.0	52.3	18.1	11.0	2.6	93.8	3.5
1989, est.	119.0	2.0	63.6	53.6	17.1	10.9	2.4	92.2	-1.7

¹ Average annual percent change from prior year shown. For explanation, see Guide to Tabular Presentation. 1985, change from 1980. ² Outlays as defined in the national income and product accounts.Source: Advisory Commission on Intergovernmental Relations, Washington, DC, *Significant Features of Fiscal Federalism, 1989* Edition, vol. II, based on *Budget of the United States Government, FY 88, Special Analysis H*.

NO. 451. FEDERAL AID TO STATE AND LOCAL GOVERNMENTS: 1970 TO 1988

(In millions of dollars. For fiscal year ending in year shown; see text, section 9. Includes trust funds. Minus sign (—) indicates previously disbursed funds returned to the Federal Government. See *Historical Statistics, Colonial Times to 1970*, series Y 630-651, for related data.)

TYPE OF AID, FUNCTION, AND MAJOR PROGRAM	1970	1975	1980	1983	1984	1985	1986	1987	1988, est.
Grant-in-aid shared revenue	24,065	48,791	61,451	62,445	67,577	105,897	112,367	108,392	116,899
National defense	37	74	93	66	95	157	177	169	210
Natural resources and environment	411	2,437	5,363	4,018	3,779	4,069	4,255	4,073	3,884
Environmental Protection Agency	194	2,025	4,803	3,266	2,922	3,197	3,419	3,251	2,916
Energy	25	43	499	482	534	629	538	455	414
Agriculture	804	404	569	1,822	1,832	2,420	1,932	2,092	1,751
Transportation ¹	4,599	5,864	13,067	13,246	15,013	17,055	18,366	16,919	17,864
Airports	83	292	590	453	694	789	653	917	979
Highways	4,395	4,702	9,209	6,896	10,522	12,841	14,109	12,649	13,270
Railroads	—	(2)	54	182	34	36	22	22	26
Urban mass transit	105	690	3,129	3,658	3,716	3,304	3,299	3,253	3,483
Commerce and housing credit	4	2	3	62	2	2	2	1	2
Community and regional development ²	1,780	2,842	6,486	4,962	5,157	5,221	4,861	4,235	4,486
Appalachian development	184	308	335	262	209	186	154	141	123
Community development block grants	(X)	38	3,902	3,554	3,819	3,817	3,326	2,987	3,037
Urban renewal	1,054	1,374	214	36	24	28	13	—	—
Education, employment, training, social services ³	6,417	12,133	21,662	16,125	16,666	17,817	18,953	18,657	21,336
Compensatory education for the disadvantaged ³	1,470	2,164	3,370	2,829	3,067	4,194	3,392	3,199	3,825
School improvement programs ³	66	332	523	509	570	479	576	785	882
Bilingual immigrant and refugee education ³	—	83	166	108	112	111	98	103	131
Federally affected areas impact aid	622	577	622	548	567	629	678	695	737
Vocational and adult education	285	653	854	705	719	633	1,008	1,225	984
Library and learning resources	105	210	158	124	90	79	98	122	150
Work incentives	81	304	383	281	259	274	227	137	95
Social services—block grants to States	574	2,047	2,763	2,508	2,789	2,743	2,671	2,688	2,885
Human development	390	803	1,548	1,685	1,717	1,807	1,831	1,771	2,150
Employment and training assistance	954	2,504	6,191	3,167	2,555	2,775	3,019	2,929	3,014
Temporary employment assistance	(X)	372	1,797	46	15	18	—	—	—
Health ³	3,848	6,810	15,756	20,224	21,837	24,451	26,823	26,465	32,646
Alcohol drug abuse and mental health ⁴	148	590	679	508	501	501	494	822	714
Medicaid ⁴	2,727	6,840	13,857	18,985	20,061	22,655	24,996	27,435	30,884
Income security ³	5,795	9,352	18,495	24,758	25,678	27,162	29,070	29,972	31,484
Assistance payment program ⁴	4,142	5,121	7,273	8,341	8,799	9,189	9,577	10,540	10,784
Food stamps—administration	559	136	413	629	732	896	968	1,108	1,154
Child nutrition and special milk programs ⁴	379	1,565	3,366	3,115	3,361	3,460	3,678	3,922	4,278
Housing assistance ⁴	436	1,326	3,435	5,695	5,750	6,407	7,418	7,375	8,279
Veterans benefits and services	18	33	90	66	66	91	90	85	106
Administration of justice	42	725	529	101	69	65	133	234	338
General government ³	479	7,072	8,516	6,541	6,848	6,838	7,159	2,000	1,898
General revenue sharing	(X)	6,130	6,829	4,614	4,567	4,584	5,114	76	—

— Represents zero. X Not applicable. Z Less than \$500,000. ¹ Includes \$5 million for international affairs subsequently provided to a private institution. ² Includes items not shown separately. ³ The 1983 Budget proposed dismantlement of the Dept. of Education (DED). Budget data for elementary and secondary education previously performed by DED are included in the Foundation for Education Assistance under compensatory education for the disadvantaged, school improvement (formerly titled "Special programs and populations") programs and bilingual immigrant and refugee education. ⁴ Includes grants for payments to individuals. ⁵ Includes general purpose fiscal assistance.

Source: U.S. Office of Management and Budget, *Historical Tables, Budget of the United States Government, 1988*.

No. 482. FEDERAL AID TO STATE AND LOCAL GOVERNMENTS—SELECTED PROGRAMS, BY STATE, 1967

(In millions of dollars, except per capita. For fiscal year ending Sept. 30)

Division and STATE	FEDERAL AID ¹		OE ³ compensatory education ⁴	EPA ⁵ waste treatment facilities construction	HUD ⁶		HUD ⁶		ETA ⁷ employment training	DEPARTMENT OF—	
	Total	Per capita ⁸ (doll.)			Family support administration ⁹	Medicaid	Lower income housing assistance ¹⁰	Community development		Transportation, highway trust fund	Threat-upt. general revenue sharing
Total ¹¹	197,902	437	3,199	2,913	12,329	27,317	7,302	2,917	3,000	12,000	77
NE	6,414	489	199	211	892	1,872	899	195	135	692	6
ME	999	380	15	25	118	214	53	13	13	96	-
NH	389	389	8	28	22	85	26	9	8	63	-
VT	314	579	8	10	43	73	18	3	7	54	-
MA	2,893	510	79	89	380	954	315	84	84	120	3
RI	550	528	13	15	88	189	80	14	12	86	-
CT	1,499	464	39	47	221	579	129	24	31	240	1
ELA	39,399	549	999	919	2,899	6,349	1,999	339	461	1,999	13
NY	11,332	999	360	412	1,590	4,739	941	259	211	649	7
NJ	3,327	434	114	102	392	901	395	89	89	249	2
PA	5,271	442	179	105	694	1,410	395	180	152	597	4
E.M.C.	17,199	419	929	999	2,799	4,717	1,199	517	699	1,999	12
OH	4,392	409	124	217	622	1,362	352	135	159	299	3
IN	1,992	359	63	89	185	595	117	51	81	232	1
IL	4,499	395	160	137	620	924	429	170	161	421	3
MI	4,199	495	134	124	845	1,151	189	107	102	499	3
WI	2,155	449	52	70	459	699	99	54	59	147	2
W.M.C.	7,399	419	167	241	699	1,745	439	213	199	1,999	6
MN	2,037	480	42	66	299	611	123	53	44	299	1
IA	1,090	395	30	39	149	295	39	29	30	162	1
MO	1,929	377	55	67	249	409	129	70	57	251	1
ND	419	823	8	7	30	69	31	7	9	72	-
SD	440	621	10	8	29	80	44	11	10	71	-
NE	907	361	18	15	65	137	36	16	12	91	1
KS	946	342	24	23	64	156	41	27	19	160	1
S.A.	15,579	391	594	411	1,992	3,493	1,946	411	432	2,177	11
DE	301	499	10	19	24	49	27	8	7	47	-
MD	2,002	441	59	69	299	399	180	32	49	395	1
DC	1,515	2,435	15	16	64	187	99	22	17	54	-
VA	1,905	323	69	59	184	377	143	55	51	397	2
WV	1,029	542	32	59	105	203	60	29	29	197	1
NC	2,171	339	61	39	267	597	146	59	77	211	2
SC	1,280	374	53	37	149	334	87	29	41	145	1
GA	2,512	404	62	37	220	621	189	63	57	352	2
FL	3,155	262	145	69	304	719	202	119	105	429	3
S.S.C.	8,952	439	395	143	499	1,797	643	199	239	749	6
KY	1,702	457	61	41	144	464	111	36	57	187	2
TK	2,019	416	73	44	111	622	141	45	65	233	1
AL	1,559	392	70	30	85	310	129	46	69	189	1
MS	1,274	495	64	29	120	311	63	39	37	132	1
W.S.C.	9,997	399	395	219	699	2,344	699	319	399	1,999	6
AR	1,009	422	41	24	80	317	59	27	32	112	1
LA	1,919	430	85	25	151	579	121	57	57	237	1
OK	1,317	403	85	29	102	343	103	33	32	155	1
TX	4,953	299	234	139	273	1,109	322	193	140	579	6
SW	5,579	431	137	92	399	642	399	123	164	1,999	4
MT	540	987	11	9	40	101	31	7	13	102	-
ID	392	392	10	7	32	67	13	10	13	70	-
WY	449	916	4	7	19	24	10	3	7	82	-
CO	1,152	390	32	19	109	204	70	29	29	203	-
NM	779	519	27	7	59	144	55	14	19	96	1
AZ	1,199	351	34	13	49	97	139	39	49	267	1
UT	794	497	12	13	67	199	19	19	14	156	1
NV	394	391	8	19	19	49	29	6	11	79	-
Pac	15,311	419	417	299	2,919	3,579	799	439	449	1,449	11
WA	1,979	439	44	41	293	450	83	44	82	325	1
OR	1,343	459	29	19	129	201	69	29	40	151	1
CA	11,009	399	329	199	2,419	2,773	599	342	324	794	9
AK	924	1,199	8	22	41	57	43	8	12	140	1
HI	490	424	11	19	49	99	29	20	12	39	-
Outlying areas	2,929	739	111	32	99	61	199	91	99	70	-

- Represents zero. ¹ Includes other amounts not shown separately. ² Based on Bureau of the Census estimated resident population as of July 1. ³ Office of Education. ⁴ For the disadvantaged. ⁵ Environmental Protection Agency. ⁶ Department of Health and Human Services. ⁷ Includes work incentives, family support payments (Aid to Families with Dependent Children), community service block grant, low income home energy assistance and refugee assistance. ⁸ Department of Housing and Urban Development. ⁹ Includes public housing, housing payments (section 8) to public agencies, and college housing, and operating assistance for low rent housing. ¹⁰ Employment and Training Administration, Job Training Partnership Act. ¹¹ Includes \$1,331 million undistributed by State (programs shown here which are affected are compensatory education (\$ - 204 million), waste treatment facilities construction (\$96 million), community development (\$54 million), employment/training (\$51 million), and highway trust fund (\$1,346 million)).

Source: U.S. Bureau of the Census, *Federal Expenditures by State for Fiscal Year, 1967*.

NO. 453. STATE AND LOCAL GOVERNMENTS—SUMMARY OF FINANCES: 1960 TO 1966

[For fiscal year ending in year shown, see text, section 8. Local government amounts included here are estimates subject to sampling variations; see Appendix III and source. See also *Historical Statistics, Colonial Times to 1970*, series Y 652-709]

SOURCE OF REVENUE AND TYPE OF EXPENDITURE	TOTAL (mil. dol.)			PER CAPITA (dol.) ¹			PERCENT DISTRIBUTION		
	1960	1965	1966	1960	1965	1966	1960	1965	1966
Revenue²	451,537	720,062	783,344	1,865	3,016	3,346	100.0	100.0	100.0
From Federal Government	63,029	105,189	113,089	266	445	499	18.4	14.7	14.4
Public welfare	24,921	39,091	42,194	110	184	175	5.5	5.4	5.4
Highways	8,980	12,993	14,142	40	54	58	2.0	1.8	1.8
Education	14,435	16,758	16,040	64	70	75	3.2	2.3	2.3
Employment security administration	2,068	2,805	2,801	9	11	12	.5	.4	.4
Revenue sharing	6,644	4,556	4,434	30	19	18	1.5	.8	.8
Other and unallocable	25,793	30,164	31,488	114	129	131	5.7	4.2	4.0
From State and local sources	388,508	613,874	670,255	1,597	2,571	2,796	81.6	85.3	85.6
General, net intergovernmental	299,293	491,983	528,359	1,221	2,051	2,191	65.3	68.3	67.5
Taxes	223,483	350,397	373,051	908	1,488	1,547	49.5	48.7	47.8
Property	68,499	103,757	111,711	302	435	463	15.2	14.4	14.3
Sales and gross receipts	79,927	126,378	134,871	363	529	580	17.7	17.6	17.2
Individual income	42,060	70,381	74,417	186	295	309	9.3	9.8	9.5
Corporation income	13,321	19,152	19,951	59	80	83	3.0	2.7	2.5
Other	19,636	30,721	32,001	87	129	133	4.3	4.3	4.1
Charges and miscellaneous	75,830	141,596	155,308	335	593	644	16.8	19.7	19.8
Utility and liquor stores	25,560	44,772	47,163	113	188	199	5.7	6.2	6.0
Water supply system	6,788	11,980	13,280	30	60	65	1.5	1.7	1.7
Electric power system	11,387	21,767	22,846	50	91	95	2.5	3.0	2.9
Transit system	2,397	4,216	4,453	11	18	18	.5	.8	.8
Gas supply system	1,809	3,573	3,291	8	15	14	.4	.5	.4
Liquor stores	3,201	3,235	3,313	14	14	14	.7	.4	.4
Insurance trust revenue ³	43,666	77,170	84,823	183	323	392	9.7	10.7	12.1
Employee retirement	25,441	53,212	69,385	112	223	288	5.8	7.4	8.9
Unemployment compensation	13,529	17,640	16,287	60	74	79	3.0	2.4	2.3
Direct expenditure	432,329	696,022	715,439	1,969	2,748	2,967	100.0	100.0	100.0
By function:									
Direct general expenditure ⁴	367,340	552,033	603,064	1,621	2,312	2,504	85.0	84.1	84.4
Education ⁵	123,211	182,086	210,819	598	807	874	30.8	29.4	29.5
Higher education	33,919	52,316	55,535	150	219	234	7.8	8.0	7.9
Local schools	89,300	131,987	145,111	410	553	602	21.5	20.1	20.3
Highways	33,311	44,999	49,368	147	189	205	7.7	6.9	6.9
Public welfare	45,552	69,523	73,875	201	291	308	10.5	10.6	10.3
Health	8,387	13,711	15,550	37	57	64	1.9	2.1	2.2
Hospitals	23,757	35,967	36,083	105	161	159	5.5	5.5	5.3
Police protection	13,494	20,956	22,886	60	89	94	3.1	3.2	3.2
Fire protection	5,718	8,917	9,587	26	37	40	1.3	1.4	1.3
Natural resources	5,508	5,357	9,074	24	35	38	1.3	1.3	1.3
Sanitation and sewerage	13,214	17,386	19,142	59	73	79	3.1	2.7	2.7
Housing and urban renewal	6,062	10,378	11,285	27	43	47	1.4	1.6	1.6
Parks and recreation	6,520	9,160	10,164	29	38	42	1.5	1.4	1.4
Financial administration	6,719	10,471	11,897	30	44	49	1.6	1.6	1.7
General control	6,887	14,314	15,600	36	60	66	2.0	2.2	2.2
Interest on general debt ⁶	14,747	32,427	37,084	65	135	154	3.4	4.8	5.2
Utility and liquor stores ⁴	38,181	59,799	65,297	180	250	271	8.4	9.1	9.1
Water supply system	8,226	14,295	16,195	41	60	67	2.1	2.2	2.3
Electric power system	15,016	25,341	26,162	69	106	117	3.5	3.9	3.9
Transit system	7,641	13,668	14,761	34	59	61	1.8	2.1	2.1
Gas supply system	1,715	3,488	3,291	8	15	14	.4	.5	.5
Liquor stores	2,591	2,823	2,857	11	12	12	.6	.4	.4
Insurance trust expenditure ⁷	29,797	44,191	46,459	127	185	193	6.7	6.7	6.5
Employee retirement	14,008	24,414	25,521	62	102	110	3.2	3.7	3.7
Unemployment compensation	12,070	14,995	14,887	53	63	62	2.8	2.3	2.1
By character and object:									
Current operation	307,811	472,406	511,598	1,359	1,979	2,122	71.2	72.0	71.5
Capital outlay	82,894	79,801	90,457	276	335	375	14.5	12.2	12.8
Construction	51,482	60,656	67,971	227	254	292	11.9	9.2	9.5
Equipment, land and existing structures	11,402	19,245	22,486	50	81	93	2.6	2.9	3.1
Assistance and subsidies	15,222	20,707	22,586	67	87	94	3.5	3.2	3.2
Interest on debt (general and utility)	17,604	36,817	44,370	76	163	184	4.1	5.9	6.2
Insurance benefits and repayments	29,797	44,191	46,459	127	185	193	6.7	6.7	6.5
Expenditure for salaries and wages	163,695	236,621	256,622	723	982	1,084	37.9	36.1	35.9
Debt outstanding, end of year	335,905	646,833	658,875	1,481	2,982	2,733	100.0	100.0	100.0
Long-term	322,458	549,050	540,550	1,423	2,300	2,657	98.1	96.6	97.2
Short-term	13,147	19,583	18,325	58	82	76	3.9	3.4	2.8
Long-term debt									
Issued	42,354	101,164	162,045	167	424	672	12.6	17.9	24.6
Retired	17,404	43,521	74,380	77	182	308	5.2	7.7	11.3

¹ Based on estimated resident population as of July 1, except 1960 based on enumerated resident population as of April 1, 1960. ² Aggregates include duplicative transactions between State and local governments; see source. ³ Includes amounts not shown separately. ⁴ Interest on utility debt included in "utility expenditures." For total interest on debt, see "Interest on debt (general and utility)," below.

Source: U.S. Bureau of the Census, *Historical Statistics on Governmental Finances and Employment* (GC 88(9)-4) and *Government Finances*, series GF, No. 5, annual.

No. 454. NEW ISSUES OF LONG-TERM STATE AND LOCAL GOVERNMENT SECURITIES: 1970 TO 1987

[In billions of dollars. Beginning 1982, includes outlying areas]

ITEM	1970	1975	1983	1981	1983	1983	1984	1985	1986	1987
All issues, new capital and refunding.....	18.2	30.6	48.5	47.7	79.0	85.1	108.0	222.2	151.2	105.7
General obligations	11.9	16.0	14.1	12.4	21.1	21.5	26.7	54.1	42.7	30.8
Revenue	6.1	14.5	34.3	35.3	58.0	63.6	81.3	168.1	108.5	74.9
Type of issuer:										
State	4.2	7.4	5.3	5.3	10.3	9.2	9.1	13.1	14.7	10.0
Special district and statutory authority	5.6	12.4	27.0	27.5	43.3	48.6	64.5	138.6	85.1	61.3
Municipalities, counties, townships ¹	6.4	10.7	16.1	14.9	25.4	27.3	34.3	70.5	51.4	34.4
Issues for new capital, total.....	16.1	29.5	48.7	48.5	74.8	71.1	95.2	160.0	80.8	55.5
Use of proceeds:										
Education.....	5.0	4.7	4.6	4.6	6.5	6.2	7.9	16.6	11.4	9.1
Transportation.....	3.2	2.2	2.6	3.4	6.3	4.4	7.6	12.1	7.8	3.8
Roads, bridges	1.5	1.3	1.1	.9	1.7	1.3	2.0	4.7	4.2	1.3
Utilities and conservation	3.5	5.5	6.0	10.2	14.3	13.5	16.0	27.0	13.1	9.5
Electric and gas .....	.9	1.9	3.4	6.3	7.1	6.3	6.8	10.9	5.1	1.9
Social welfare.....	1.2	3.9	19.4	12.1	25.6	25.4	29.4	63.3	12.5	10.6
Public housing.....	.5	1.2	15.5	5.9	14.9	17.4	19.3	37.2	8.7	6.9
Industrial aid .....	.1	.4	1.7	3.4	2.9	3.6	15.7	14.1	4.7	2.2
Other	5.1	12.8	10.4	12.6	19.2	16.0	16.6	26.9	31.3	20.3

¹ Includes school districts.

Source: Public Securities Association, New York, NY, *Statistical Yearbook of Municipal Finances*, periodic, and IDD/PSA Municipal Database.

No. 455. STATE AND LOCAL GOVERNMENTS—INDEBTEDNESS AND DEBT TRANSACTIONS: 1970 TO 1986

[In billions of dollars, except per capita. As of end of fiscal year; see text, section 9. Local government amounts are estimates subject to sampling variation; see source and Appendix III. See *Historical Statistics, Colonial Times to 1970*, series Y 690, Y 747, and Y 794, for debt outstanding]

ITEM	DEBT OUTSTANDING						LONG-TERM		
	Total	Per capita ¹ (dol.)	Long-term			Short-term	Net long-term	Debt issued	Debt retired
			Local schools ²	Utilities ³	All other				
1970: Total	143.6	704	31.5	19.6	80.3	12.2	121.7	12.8	7.0
State	42.0	208	3.0	(NA)	35.9	3.1	34.5	3.9	1.9
Local	101.6	496	28.6	19.6	44.4	9.1	87.3	3.9	5.1
1980: Total	335.6	1,482	32.3	55.2	235.0	13.1	262.9	42.4	17.4
State	122.0	540	3.8	4.6	111.5	2.1	79.8	16.4	5.7
Local	213.6	942	28.5	50.6	123.5	11.0	163.1	25.9	11.7
1985: Total	588.6	2,382	43.8	90.8	414.5	19.6	430.5	101.2	43.5
State	211.9	880	6.7	8.6	193.8	2.8	110.4	41.7	16.4
Local	356.7	1,494	37.1	82.2	220.6	16.8	320.1	59.5	27.2
1986: Total	658.9	2,733	47.4	104.8	488.3	18.3	498.9	162.0	74.4
State	247.7	1,030	7.8	10.0	228.4	1.6	129.1	64.0	26.4
Local	411.2	1,705	39.6	94.9	260.0	16.7	367.8	98.1	48.0

NA Not available. ¹ 1970 and 1980 based on enumerated resident population as of April 1; 1985 and 1986 based on estimated resident population as of July 1. ² Includes debt for education activities other than higher education. ³ Beginning 1980, data for State governments classified as "utility," rather than in "All other."

Source: U.S. Bureau of the Census, *Government Finances*, series GF, No. 5, annual, and unpublished data.

No. 456. STATE AND LOCAL GOVERNMENT REVENUES FROM ALCOHOLIC BEVERAGES: 1965 AND 1988

[In millions of dollars, except per capita. For fiscal or calendar year; see text, section 9]

STATE	REVENUE		Revenue per capita ² (dol.)	STATE	REVENUE		Revenue per capita ² (dol.)	STATE	REVENUE		Revenue per capita ² (dol.)
	Total	Taxes ¹			Total	Taxes ¹			Total	Taxes ¹	
Total, 1965	7,070.4	9,198.3	30								
Total, 1988	7,380.5	8,382.3	30	KY	84.7	59.8	17	ND	17.1	14.9	25
AL	196.7	173.6	49	LA	130.7	126.9	29	OH	311.9	244.2	29
AK	15.0	13.3	26	ME	47.0	30.8	40	OK	77.2	70.2	23
AZ	112.2	107.6	34	MD	99.0	60.7	22	OR	65.4	10.8	24
AR	41.8	40.3	18	MA	106.9	99.6	18	PA	299.6	221.6	25
CA	554.4	523.2	21	MI	278.5	209.3	30	RI	26.5	27.1	29
CO	100.9	96.3	31	MN	177.6	159.8	42	SC	150.7	145.2	45
CT	116.8	110.3	37	MS	96.3	70.2	37	SD	24.1	20.6	34
DE	5.6	5.2	9	MO	97.4	92.8	19	TN	196.0	175.5	39
DC	39.6	37.6	63	MT	20.9	14.1	26	TX	529.2	498.3	32
FL	602.7	582.7	52	NE	32.1	29.2	20	UT	47.9	29.7	29
GA	290.5	265.1	48	NV	74.4	71.9	77	VT	20.1	17.6	37
HI	55.3	51.7	52	NH	44.7	11.3	44	VA	201.6	149.0	35
ID	26.4	20.2	28	NJ	158.5	145.4	21	WA	241.5	208.7	54
IL	329.9	308.6	29	NM	42.4	40.2	29	WV	42.0	26.8	22
IN	108.2	99.4	20	NY	468.1	448.0	27	WI	117.5	111.0	26
IA	80.4	40.9	26	NC	218.1	192.5	34	WY	15.0	10.8	30
KS	50.9	48.3	21								

¹ Excise and sales taxes. ² Based on estimated resident population as of July 1.

Source: Distilled Spirits Council of the United States, Inc., Washington, DC, unpublished data.

NO. 457. STATE AND LOCAL GOVERNMENTS—REVENUE, EXPENDITURE, AND DEBT

(In millions of dollars, except as indicated. For fiscal years ending in year shown; see text, section 9. Except for 1982, local

YEAR, DIVISION, AND STATE	GENERAL REVENUE										Per \$1,000 personal income ² (dol.)
	Total ¹	Amount from—					Per capita ² (dol.)				
		Federal Government	Taxes			Current charges	Total		Taxes		
			Total	Property	Other		Amount	Rank	Total	Rank	
1970.....	130,756	21,857	86,795	34,054	52,741	14,673	643	(x)	427	(x)	176
1975.....	228,171	47,034	141,485	51,491	89,974	25,589	1,071	(x)	664	(x)	198
1980.....	362,322	83,029	223,483	68,499	154,984	44,373	1,688	(x)	987	(x)	198
1981.....	423,404	90,294	244,514	74,969	169,545	50,236	1,899	(x)	1,079	(x)	198
1982.....	457,654	87,262	266,390	82,067	184,322	56,920	2,020	(x)	1,176	(x)	190
1983.....	486,753	90,007	284,436	89,105	195,332	62,625	2,078	(x)	1,214	(x)	172
1984.....	542,730	96,935	320,194	96,457	223,737	69,022	2,295	(x)	1,364	(x)	175
1985.....	598,121	106,158	350,367	103,757	246,610	74,323	2,506	(x)	1,488	(x)	180
U.S., 1986.....	641,458	112,699	373,051	111,711	261,340	80,400	2,691	(x)	1,647	(x)	182
New England:											
Maine.....	2,664	692	1,060	561	1,060	269	2,444	32	1,416	25	191
New Hampshire.....	2,170	367	1,249	756	491	239	2,113	43	1,218	41	133
Vermont.....	1,436	330	809	301	502	181	2,058	23	1,484	21	199
Massachusetts.....	17,558	3,201	11,275	3,506	7,769	1,850	3,010	7	1,933	6	170
Rhode Island.....	2,713	587	1,494	809	685	251	2,783	17	1,532	18	191
Connecticut.....	9,377	1,364	6,210	2,331	3,879	667	2,937	11	1,945	5	150
Middle Atlantic:											
New York.....	70,061	12,274	45,129	13,293	31,836	6,314	3,937	4	2,536	4	230
New Jersey.....	22,514	3,430	14,231	5,766	8,465	2,226	2,953	10	1,666	7	156
Pennsylvania.....	29,117	5,658	17,342	4,617	12,725	2,707	2,448	31	1,458	22	172
East North Central:											
Ohio.....	25,844	4,708	15,183	4,241	10,942	3,407	2,405	33	1,413	28	173
Indiana.....	11,928	2,146	6,754	2,166	4,588	2,067	2,167	41	1,227	39	166
Illinois.....	26,606	5,114	17,896	6,225	11,641	2,754	2,477	26	1,547	17	169
Michigan.....	26,336	4,736	15,577	5,945	9,632	3,527	2,662	12	1,705	13	195
Wisconsin.....	13,425	2,366	8,279	2,870	5,409	1,621	2,807	14	1,731	10	202
West North Central:											
Minnesota.....	13,254	2,187	7,229	2,229	4,999	1,929	3,146	5	1,716	12	210
Iowa.....	7,070	1,179	4,041	1,551	2,490	1,197	2,481	27	1,418	24	166
Missouri.....	10,235	1,896	5,835	1,233	4,602	1,361	2,021	48	1,152	43	147
North Dakota.....	1,878	409	672	347	625	336	2,766	16	1,264	33	222
South Dakota.....	1,650	410	608	336	470	191	2,330	36	1,142	44	197
Nebraska.....	3,997	682	2,188	926	1,213	727	2,501	28	1,336	30	162
Kansas.....	5,070	922	3,430	1,311	2,120	626	2,467	29	1,364	29	168
South Atlantic:											
Delaware.....	1,951	333	1,052	141	911	316	3,082	6	1,661	14	205
Maryland.....	12,486	2,063	7,776	1,955	5,821	1,218	2,799	15	1,743	9	166
District of Columbia.....	3,450	1,346	1,717	464	1,233	176	5,520	2	2,748	2	264
Virginia.....	13,236	2,275	6,125	2,299	3,826	1,799	2,284	38	1,402	27	148
West Virginia.....	4,317	981	2,330	390	1,940	478	2,252	39	1,215	42	213
North Carolina.....	13,044	2,446	7,738	1,875	5,863	1,510	2,060	46	1,222	40	166
South Carolina.....	7,014	1,367	3,644	879	2,765	1,167	2,075	45	1,137	45	164
Georgia.....	14,470	2,679	7,615	2,009	5,606	2,747	2,372	34	1,261	35	176
Florida.....	25,729	3,485	14,896	4,794	10,073	4,132	2,200	40	1,271	36	190
East South Central:											
Kentucky.....	7,880	1,740	4,114	726	3,388	917	2,115	42	1,104	46	166
Tennessee.....	9,664	2,169	5,172	1,131	4,041	1,595	2,018	49	1,077	47	166
Alabama.....	5,559	1,785	4,140	479	3,661	1,701	2,113	44	1,022	48	166
Mississippi.....	5,325	1,314	2,533	580	1,953	965	2,029	47	965	51	209
West South Central:											
Arkansas.....	4,466	1,050	2,366	431	1,935	589	1,892	51	1,011	50	171
Louisiana.....	11,075	2,034	5,640	892	4,748	1,847	2,462	30	1,264	37	220
Oklahoma.....	7,651	1,262	4,243	773	3,470	1,190	2,314	36	1,263	34	166
Texas.....	38,197	5,502	21,346	8,619	12,728	5,125	2,889	37	1,291	32	170
Mountain:											
Montana.....	2,265	549	1,127	533	594	216	2,796	16	1,379	29	236
Idaho.....	1,969	448	1,057	300	757	301	1,965	50	1,055	48	177
Wyoming.....	2,736	491	1,332	505	736	270	5,396	3	2,626	3	422
Colorado.....	5,765	1,406	4,852	1,702	3,150	1,264	2,684	22	1,486	20	176
New Mexico.....	4,436	772	1,636	211	1,425	456	2,999	5	1,241	36	263
Arizona.....	5,260	1,032	4,866	1,369	3,496	926	2,525	25	1,480	19	165
Utah.....	4,292	927	2,150	610	1,540	539	2,580	24	1,262	31	236
Nevada.....	2,626	425	1,501	327	1,174	408	2,716	20	1,552	16	177
Pacific:											
Washington.....	11,967	2,060	7,092	1,971	5,121	1,572	2,996	21	1,569	15	179
Oregon.....	7,369	1,426	3,874	1,755	2,119	875	2,735	19	1,434	23	206
California.....	60,297	14,041	45,565	12,165	34,419	10,588	2,974	8	1,725	11	178
Alaska.....	5,657	480	2,397	579	1,816	406	12,513	1	4,505	1	701
Hawaii.....	3,060	532	1,896	334	1,562	399	2,673	13	1,780	8	189

1 Not applicable. ¹ Includes miscellaneous revenue, not shown separately. ² Data for 1975 based on estimated resident population as of July 1, 1970 and 1980-1982 based on enumerated resident population as of April 1, 1970 and 1980, respectively; 1983-1986 based on estimated resident population as of July 1.

1970 TO 1986 AND BY STATE, 1986

government amounts included here are estimated subject to sampling variation; see source and Appendix M

DEBT OUTSTANDING			DIRECT GENERAL EXPENDITURE							CAPITAL OUTLAY ⁴		YEAR, DIVISION, AND STATE	
Total	Per cap-ita ² (dol.)	Rank	Total	Per cap-ita ² (dol.)	Rank	Educa-tion	High-ways	Public wel-fare	Health, hospi-tals	All other	Total	Per cap-ita ² (dol.)	
143,570	708	(X)	131,332	648	(X)	92,718	18,427	14,879	9,886	37,840	29,850	148	1970
221,224	1,098	(X)	229,747	1,077	(X)	87,858	22,528	27,191	18,846	73,324	44,824	211	1975
335,803	1,482	(X)	367,340	1,822	(X)	133,211	33,311	45,552	32,174	123,082	82,894	278	1980
383,802	1,808	(X)	405,578	1,790	(X)	145,784	34,803	52,248	36,101	138,840	87,586	295	1981
404,578	1,788	(X)	435,103	1,821	(X)	154,283	34,520	56,216	40,882	149,202	98,802	298	1982
454,501	1,940	(X)	464,752	1,984	(X)	183,878	36,655	59,157	43,750	161,314	87,734	289	1983
508,330	2,141	(X)	503,375	2,128	(X)	178,108	39,419	64,709	48,419	178,720	70,851	299	1984
688,833	2,382	(X)	552,033	2,312	(X)	192,888	44,889	89,523	49,678	195,157	79,801	326	1985
888,878	2,733	(X)	883,884	2,804	(X)	210,819	48,388	73,875	53,813	218,888	82,487	375	U.S., 1986
New England:													New England:
2,388	2,038	40	2,704	2,307	31	965	283	474	130	861	282	241	Maine
2,812	2,838	25	2,079	2,024	42	725	238	239	115	780	234	228	New Hampshire
1,373	2,537	30	1,388	2,582	24	534	181	178	57	458	158	283	Vermont
17,787	3,048	21	15,812	2,710	12	4,817	828	2,784	1,481	8,101	2,028	348	Massachusetts
3,580	3,852	13	2,805	2,671	16	819	172	458	188	889	238	242	Rhode Island
8,857	3,087	19	8,238	2,579	20	2,377	888	1,101	582	3,479	874	305	Connecticut
Middle Atlantic:													Middle Atlantic:
70,881	3,883	9	83,485	3,588	4	18,447	3,889	10,338	6,438	24,875	7,881	447	New York
28,818	3,517	14	21,314	2,785	8	8,885	1,780	2,487	1,273	8,808	2,710	355	New Jersey
31,351	2,538	27	25,957	2,182	38	9,170	2,264	4,074	1,471	8,888	2,825	238	Pennsylvania
East North Central:													East North Central:
18,012	1,878	45	24,818	2,280	32	9,202	1,905	3,885	2,006	7,549	2,835	273	Ohio
7,251	1,318	50	10,884	1,888	43	4,500	882	1,278	1,088	3,218	1,422	258	Indiana
25,835	2,218	35	27,155	2,351	30	9,188	2,408	3,811	1,752	9,982	3,783	327	Illinois
17,808	1,948	43	25,380	2,775	10	9,445	1,581	4,093	2,541	7,899	2,222	243	Michigan
8,487	1,884	42	13,012	2,720	11	4,801	1,137	2,087	981	3,888	1,510	318	Wisconsin
West North Central:													West North Central:
16,428	3,889	11	12,848	3,048	5	4,235	1,312	1,835	1,031	4,333	1,885	471	Minnesota
4,584	1,812	48	8,851	2,438	28	2,872	800	838	881	1,851	1,023	359	Iowa
7,701	1,521	48	9,888	1,915	48	3,589	1,023	1,013	1,088	3,028	1,508	288	Missouri
1,488	2,182	37	1,838	2,707	13	708	341	181	88	812	283	387	North Dakota
1,888	2,385	33	1,588	2,254	33	680	284	148	88	537	288	378	South Dakota
6,241	3,808	10	3,828	2,304	28	1,475	488	375	403	1,088	781	485	Nebraska
5,870	2,304	34	5,882	2,382	28	2,301	775	485	471	1,821	678	357	Kansas
South Atlantic:													South Atlantic:
3,533	5,512	3	1,783	2,817	7	701	183	122	83	704	202	319	Delaware
12,883	3,089	18	11,514	2,581	19	3,880	1,072	1,303	471	4,781	1,974	443	Maryland
3,888	5,814	2	2,938	4,701	2	802	82	527	282	1,538	558	683	District of Columbia
10,153	1,752	44	12,803	2,208	35	5,102	1,354	1,010	1,145	4,183	1,883	321	Virginia
5,012	2,815	28	4,141	2,180	38	1,587	508	448	291	1,289	538	280	West Virginia
12,880	2,031	41	12,089	1,811	50	5,322	981	1,140	1,182	3,484	2,058	325	North Carolina
8,639	2,555	29	6,882	1,870	45	2,713	438	805	805	1,989	1,588	483	South Carolina
12,447	2,040	38	13,425	2,201	37	4,848	1,178	1,188	2,515	3,915	2,674	438	Georgia
31,858	2,707	28	24,780	2,120	41	8,214	1,889	1,830	2,674	10,174	5,312	454	Florida
East South Central:													East South Central:
11,388	3,058	20	7,182	1,822	47	2,570	821	945	472	2,355	958	287	Kentucky
8,797	2,041	38	9,214	1,820	48	3,131	928	1,050	1,188	2,850	1,517	316	Tennessee
8,882	2,213	38	8,815	2,127	40	3,213	825	748	1,381	2,488	1,258	310	Alabama
3,521	1,342	48	5,138	1,857	48	1,857	584	519	784	1,382	627	239	Mississippi
West South Central:													West South Central:
3,781	1,585	47	4,371	1,844	51	1,877	514	507	378	1,085	827	348	Arkansas
18,888	4,158	8	10,808	2,424	27	3,531	1,088	984	1,284	4,014	1,719	382	Louisiana
8,311	2,514	31	7,284	2,228	34	2,889	702	788	723	2,284	1,322	400	Oklahoma
47,704	2,858	24	38,780	2,203	38	15,453	3,830	2,345	3,177	11,955	8,285	487	Texas
Mountain:													Mountain:
2,387	2,834	23	2,280	2,791	8	841	340	208	118	772	410	502	Montana
1,248	1,342	51	1,884	1,880	44	785	255	188	184	824	337	338	Idaho
2,318	4,572	5	2,287	4,472	3	845	358	103	235	728	548	1,078	Wyoming
8,838	2,951	22	8,388	2,588	22	3,101	804	818	881	3,005	1,484	458	Colorado
4,851	3,347	15	3,987	2,685	14	1,580	428	288	303	1,385	725	481	New Mexico
13,802	4,208	7	8,428	2,571	21	3,274	912	805	410	3,227	2,328	710	Arizona
8,770	5,271	4	4,123	2,484	25	1,748	414	388	291	1,324	1,180	708	Utah
3,038	3,143	17	2,564	2,652	18	745	278	148	177	1,218	471	487	Nevada
Pacific:													Pacific:
18,885	4,254	6	11,447	2,585	23	4,178	970	1,243	881	4,185	2,062	480	Washington
10,438	3,883	12	7,210	2,888	17	2,852	552	577	417	3,013	883	331	Oregon
85,088	2,411	32	78,082	2,818	8	24,483	3,424	10,455	8,780	30,880	9,182	340	California
11,888	2,204	1	5,038	8,473	1	1,214	484	275	143	2,925	1,088	2,007	Alaska
3,400	3,183	18	2,888	2,881	15	808	147	283	188	1,434	515	483	Hawaii

² 1970 to 1982, based on personal income for the previous calendar year; beginning 1983 based on income for calendar year⁴ Includes general functions, liquor stores, and utilities.Source: U.S. Bureau of the Census, *Government Finances*, series GF, No. 5, annual.

No. 455. STATE GOVERNMENTS—SUMMARY OF FINANCES: 1980 TO 1986

(For fiscal years; see text section 5. See also *Historical Statistics, Colonial Times to 1870*, series Y 710-782)

ITEM	TOTAL (mil. dol.)			PER CAPITA ¹ (dol.)			PERCENT DISTRIBUTION		
	1980	1985	1986	1980	1985	1986	1980	1985	1986
Borrowing and revenue	293,368	479,984	634,176	1,289	2,003	2,221	100.0	100.0	100.0
Borrowing	16,904	37,547	63,002	73	156	220	5.8	7.9	8.9
Revenue	276,962	439,416	481,174	1,226	1,846	2,001	94.4	92.1	90.1
General revenue	233,592	365,835	412,174	1,034	1,536	1,698	79.8	78.7	73.7
Taxes	157,075	215,893	228,054	697	900	948	66.7	45.3	42.7
Sales and gross receipts	67,855	105,419	112,343	300	449	467	23.1	22.1	21.0
General	43,166	69,633	74,821	181	292	311	14.7	14.6	14.0
Motor fuels	9,722	13,344	14,067	43	56	59	3.3	2.8	2.6
Alcoholic beverages	2,478	3,031	3,062	11	13	13	.8	.8	.8
Tobacco products	3,739	4,362	4,449	17	18	19	1.3	.9	.8
Other	6,780	15,049	15,623	30	63	66	2.0	3.2	3.0
Licenses	8,060	13,769	14,954	36	59	62	3.0	2.9	2.8
Motor vehicles	4,630	7,183	7,579	22	30	32	1.7	1.6	1.4
Corporations in general	1,368	2,613	3,065	6	12	13	.6	.8	.6
Other	2,366	3,781	4,160	10	16	17	.8	.8	.8
Individual income	27,089	63,908	67,499	104	268	281	12.6	13.4	12.6
Corporation net income	13,321	17,631	18,363	58	74	76	4.5	3.7	3.4
Property	2,662	3,664	4,355	13	17	18	1.0	.9	.8
Other	7,227	11,184	10,680	32	47	44	2.5	2.3	2.0
Charges and miscellaneous	32,190	60,655	66,548	142	262	279	11.0	12.6	12.6
Intergovernmental revenue	84,328	89,887	98,574	366	377	410	21.9	18.8	18.5
From Federal Government	61,662	64,434	92,666	274	355	385	21.1	17.7	17.3
Public welfare	24,680	36,864	41,802	106	162	174	8.4	8.1	7.8
Education	12,765	15,307	16,523	57	64	69	4.4	3.2	3.1
Highways	6,660	12,702	13,855	30	53	59	3.0	2.7	2.6
Other	15,667	17,761	20,466	69	75	85	5.3	3.7	2.8
From local governments	2,434	5,469	5,909	11	23	25	.8	1.1	1.1
Utility revenue	1,304	2,921	2,907	6	12	12	.4	.8	.5
Liquor stores revenue	2,765	2,753	2,807	12	12	12	.9	.8	.5
Insurance trust revenue ²	38,301	67,807	51,884	174	285	341	13.4	14.2	15.3
Employee retirement	21,146	43,993	56,620	94	195	236	7.2	9.2	10.6
Unemployment compensation	13,469	17,596	18,173	60	74	76	4.6	3.7	3.4
Expenditure and debt redemption	293,494	402,802	440,814	1,288	1,802	1,834	100.0	100.0	100.0
Debt redemption	5,662	12,060	16,609	25	51	69	2.2	3.0	3.8
Expenditure ³	267,812	390,742	424,216	1,141	1,641	1,764	87.8	87.0	90.2
General expenditure	226,223	346,047	376,519	1,010	1,446	1,586	86.8	86.7	86.4
Education	67,839	126,604	140,169	300	540	589	33.4	31.9	31.3
Public welfare	44,219	67,264	72,554	190	292	302	16.8	16.7	16.5
Highways	25,044	33,154	36,661	111	139	156	9.5	8.2	8.3
Health and hospitals	17,866	27,696	30,131	79	116	126	6.9	6.6	6.6
State hospitals	11,016	15,802	16,862	48	66	71	4.2	3.9	3.3
Other hospitals and health	6,840	11,793	13,170	30	50	55	2.6	2.9	3.0
Corrections	4,449	9,171	10,771	20	39	46	1.7	2.3	2.4
Natural resources	4,346	6,758	7,312	19	30	30	1.5	1.7	1.7
General control	3,232	5,231	5,767	14	22	24	1.2	1.3	1.3
Financial administration	3,031	5,019	5,666	13	21	24	1.2	1.2	1.3
Police protection	2,883	3,516	3,714	10	16	16	.9	.9	.8
Employment security	2,001	2,662	2,667	9	11	11	.6	.6	.6
Housing and community development	601	1,540	1,672	3	6	6	.2	.4	.4
Misc. and unallocable	33,342	54,611	58,966	147	229	246	12.6	12.6	13.4
Utility expenditure	2,401	5,364	5,630	11	23	23	.9	1.3	1.3
Liquor stores expenditure	2,606	2,391	2,418	11	10	10	.8	.8	.5
Insurance trust expenditure ⁴	24,661	37,340	38,748	111	159	165	8.5	8.4	9.0
Employee retirement	10,256	18,230	18,676	45	77	89	3.9	4.5	4.6
Unemployment compensation	12,006	14,926	14,821	53	63	62	4.5	3.7	3.4
By character and object:									
Intergovernmental expenditure	84,504	121,671	131,968	374	511	549	32.1	30.2	29.9
Direct expenditure	173,307	269,171	292,248	767	1,130	1,215	66.8	66.8	68.3
Current operation	106,131	172,124	186,168	479	723	774	41.0	39.7	42.2
Capital outlay	23,326	30,657	34,580	103	129	144	8.9	7.9	7.9
Construction	18,736	23,677	26,667	87	100	110	7.5	5.8	6.0
Land and existing structures	1,345	1,833	2,170	6	8	9	.5	.5	.6
Equipment	2,243	4,947	5,819	10	21	24	.9	1.2	1.3
Assistance and subsidies	9,818	12,642	14,162	43	54	58	3.7	3.2	3.2
Interest on debt	7,052	15,808	17,801	31	66	73	2.7	3.8	4.0
Insurance benefits and repayments	24,661	37,340	38,748	111	159	165	8.5	8.4	9.0
Debt outstanding, year-end	121,968	211,917	247,716	509	880	1,009	100.0	100.0	100.0
Long-term	118,821	209,125	246,109	530	878	1,023	98.2	98.7	98.4
Full-faith and credit	49,364	60,432	64,640	219	254	269	40.5	28.5	28.1
Non-guaranteed	70,457	148,693	181,469	312	624	755	57.8	70.2	73.3
Short-term	2,137	2,792	1,606	9	12	7	1.8	1.3	.6
Net long-term	79,810	110,361	129,119	383	483	537	66.4	52.1	52.1
Full-faith and credit only	39,367	47,694	60,212	174	201	206	32.9	22.8	20.9

¹ Based on estimated resident population as of July 1; except 1980 based on enumerated resident population as of April 1, 1980. ² Includes other items not shown separately. ³ Intergovernmental and direct.

Source: U.S. Bureau of the Census, *Historical Statistics on Governmental Finances and Employment* (GO225-4) and *State Government Finances*, series GF, No. 3, annual.

No. 458. STATE GENERAL FUND RESOURCES AND EXPENDITURES: 1987 TO 1989

(In millions of dollars, except percent. Fiscal year data; see text, section 9. General funds exclude special funds earmarked for particular purposes, such as highway trust funds and federal funds; they support most on-going broad-based State services, and are available for appropriation to support any governmental activity. Minus sign (-) indicates deficit.)

STATE	GENERAL FUND RESOURCES ¹			EXPENDITURES ²			BALANCE ³					
	1987	1988 ⁴	1989 ⁵	1987	1988 ⁴	1989 ⁵	Total			As percent of expenditures		
							1987	1988 ⁴	1989 ⁵	1987	1988 ⁴	1989 ⁵
United States	226,854	240,630	254,825	217,865	230,888	246,802	3,722	4,888	2,857	1.7	2.0	1.1
Alabama	2,889	2,813	3,123	2,830	2,788	3,129	70	148	-	2.7	5.4	-
Alaska	1,842	2,282	2,133	2,385	2,255	2,240	20	182	-78	.8	7.2	-3.4
Arizona	2,482	2,819	2,883	2,408	2,813	2,845	58	8	19	2.3	.2	.7
Arkansas	1,481	1,546	1,612	1,461	1,548	1,612	-	-	-	-	-	-
California	33,238	33,277	36,138	31,488	33,239	36,534	77	28	-	.2	1	-
Colorado	2,108	2,221	2,334	1,888	2,133	2,278	45	88	38	2.3	4.1	1.7
Connecticut	4,742	4,804	5,474	4,377	4,881	5,548	-	-	-	-	-	-
Delaware	1,101	1,204	1,186	931	1,039	1,044	170	165	142	18.3	15.8	12.6
Florida	7,761	8,771	9,509	7,725	8,829	9,509	38	108	-	.5	1.2	-
Georgia	5,518	6,087	6,383	5,354	5,958	6,383	184	108	-	3.1	1.8	-
Hawaii	2,031	2,427	2,705	1,882	1,957	2,275	339	471	430	20.0	24.1	18.9
Idaho	833	875	715	818	858	888	-	17	17	-	2.8	2.4
Illinois	10,820	10,834	11,348	10,340	10,825	11,012	154	246	246	1.5	2.3	2.2
Indiana	3,584	4,068	4,427	3,274	3,557	3,913	101	243	184	3.1	6.8	4.7
Iowa	2,612	2,719	2,858	2,445	2,857	2,857	-	-	-	-	-	-
Kansas	1,800	2,188	2,332	1,727	1,887	2,117	73	301	215	4.2	18.0	10.2
Kentucky	3,097	3,236	3,330	2,814	3,208	3,308	146	82	20	5.0	1.0	.6
Louisiana	3,168	3,118	3,324	3,804	3,881	4,034	448	714	140	11.7	18.4	3.5
Maine	1,128	1,254	1,339	1,045	1,185	1,339	80	58	-	5.7	4.9	-
Maryland	4,886	5,088	5,428	4,487	4,887	5,412	158	187	8	3.5	4.0	1
Massachusetts	7,297	7,127	7,889	6,888	7,229	7,727	41	25	6	.8	.3	1
Michigan	6,475	6,580	6,721	6,484	6,579	6,707	11	12	14	.2	.2	.2
Minnesota	5,798	6,284	6,152	5,167	5,580	5,710	227	278	-	4.4	5.0	-
Mississippi	1,578	1,773	1,822	1,480	1,882	1,805	116	88	24	7.8	5.3	1.3
Missouri	3,315	3,554	3,831	3,273	3,487	3,780	50	80	48	1.5	2.3	1.3
Montana	383	388	418	381	372	382	11	38	38	2.8	10.5	8.4
Nebraska	804	1,088	1,168	848	881	1,008	55	178	126	6.8	20.0	12.4
Nevada	642	637	680	575	588	648	27	51	45	4.7	8.7	8.9
New Hampshire	570	582	589	513	552	582	23	10	5	4.5	1.8	.9
New Jersey	9,880	10,883	11,779	9,138	10,372	11,450	722	880	213	7.9	8.7	1.9
New Mexico	1,488	1,623	1,583	1,488	1,548	1,579	48	-	-	3.2	-	-
New York	24,841	26,883	27,482	23,453	25,087	26,808	188	59	84	.7	.2	-.2
North Carolina	5,711	6,188	6,814	5,349	5,774	6,588	382	384	28	6.8	6.8	.4
North Dakota	588	580	532	544	508	528	24	51	3	4.4	10.1	.6
Ohio	10,828	11,120	11,348	10,540	10,801	11,088	226	287	138	2.1	2.7	1.3
Oklahoma	2,070	2,387	2,816	2,059	2,203	2,437	-	118	188	-	5.3	8.5
Oregon	1,840	1,808	1,982	1,708	1,830	1,804	234	79	58	13.7	4.3	3.1
Pennsylvania	10,079	10,612	10,831	9,881	10,472	10,708	348	85	91	3.6	.8	.8
Rhode Island	1,238	1,385	1,424	1,123	1,252	1,385	108	88	11	8.4	7.9	.8
South Carolina	2,738	2,888	3,237	2,670	2,881	3,145	80	138	88	3.4	4.8	2.8
South Dakota	402	434	434	384	382	418	36	42	18	9.9	10.7	4.3
Tennessee	2,878	3,188	3,475	2,852	3,080	3,353	22	80	32	.7	2.6	1.0
Texas	11,707	11,722	12,677	9,801	9,283	9,484	-984	-471	52	-9.9	-5.1	.6
Utah	1,304	1,488	1,488	1,278	1,380	1,448	29	88	-	2.3	6.4	-
Vermont	485	580	614	431	488	570	51	74	14	14.2	15.2	2.4
Virginia	5,107	5,188	5,583	4,858	4,983	5,583	138	187	-	3.0	3.8	-
Washington	5,045	5,108	5,384	4,878	5,048	5,240	2	84	-	(2)	1.3	-
West Virginia	1,844	1,448	1,500	1,811	1,414	1,450	33	36	-	2.0	2.5	-
Wisconsin	5,358	5,441	5,828	5,070	5,300	5,588	233	141	80	4.8	2.7	1.1
Wyoming	441	351	328	385	352	344	48	18	18	11.6	4.5	5.5

- Represents zero. Z Less than .05 percent.

¹ Includes funds budgeted, adjustments, and balances from previous year.
² Estimates. ³ Appropriated figures. ⁴ Does not include transfers (plus or minus). ⁵ Resources, less expenditures and transfers.

Source: National Governors' Association and National Association of State Budget Officers, Washington, DC, *Fiscal Survey of the States*, semi-annual (copyright).

No. 499. STATE GOVERNMENTS—REVENUE

(In millions of dollars, except as indicated.)

YEAR, DIVISION, AND STATE	Total rev- enue ¹	REVENUE								DEBT OUT- STAND- ING
		Total		Per capita ²		Intergovernmental revenue		Taxes	Charges and miscel- laneous	
		Amount	Rank	Total (\$100)	Rank	From Federal Government	From local govern- ments			Total
1970.....	68,938	77,755	(2)	384	(2)	12,232	886	47,882	8,545	42,008
1975.....	157,033	134,811	(2)	634	(2)	38,148	1,880	80,155	16,829	72,127
1980.....	278,982	233,582	(2)	1,034	(2)	61,892	2,434	137,075	32,180	121,958
1982.....	330,899	275,111	(2)	1,218	(2)	88,026	3,138	162,807	43,238	147,470
1983.....	357,881	280,480	(2)	1,343	(2)	88,885	3,742	171,440	46,312	167,290
1984.....	397,087	330,740	(2)	1,402	(2)	78,140	5,310	186,796	52,485	186,377
1985.....	439,416	365,635	(2)	1,535	(2)	84,434	5,488	215,863	60,055	211,317
U.S., 1985.....	481,174	388,478	(2)	1,888	(2)	88,888	6,888	238,884	68,888	267,716
New England:										
Maine.....	2,388	2,038	40	1,740	18	808	3	1,101	327	1,558
New Hampshire.....	1,548	1,347	48	1,214	48	328	22	484	402	2,384
Vermont.....	1,188	1,048	49	1,338	11	288	5	800	348	984
Massachusetts.....	13,121	12,080	10	2,085	7	2,877	180	7,888	1,855	11,844
Rhode Island.....	2,382	1,980	41	2,011	8	838	34	888	543	2,880
Connecticut.....	8,888	8,384	20	1,888	10	1,184	3	3,887	1,340	7,317
Middle Atlantic:										
New York.....	50,808	40,832	2	2,308	4	10,184	3,122	22,747	4,808	38,371
New Jersey.....	17,588	14,485	8	1,888	13	2,888	180	8,388	3,088	16,888
Pennsylvania.....	22,120	17,888	4	1,884	38	4,887	75	10,883	2,801	7,802
East North Central:										
Ohio.....	23,021	15,801	7	1,470	30	3,788	138	8,082	2,812	8,888
Indiana.....	8,488	7,817	18	1,384	38	1,888	24	4,488	1,327	2,180
Illinois.....	18,437	16,284	6	1,411	35	3,887	81	8,801	2,415	11,888
Michigan.....	20,507	16,808	5	1,817	18	4,005	482	8,314	2,808	7,884
Wisconsin.....	10,888	8,832	12	1,847	15	2,881	83	5,482	1,327	4,880
West North Central:										
Minnesota.....	8,540	8,077	14	1,817	12	1,884	82	4,888	1,383	2,780
Iowa.....	5,314	4,380	30	1,538	27	1,008	81	2,488	834	1,801
Missouri.....	7,481	6,304	21	1,245	46	1,841	8	3,808	1,148	3,751
North Dakota.....	1,585	1,380	46	2,033	8	348	16	618	388	748
South Dakota.....	1,241	1,038	50	1,488	31	343	8	404	384	1,308
Nebraska.....	2,334	2,185	38	1,385	41	881	29	1,119	485	1,308
Kansas.....	3,848	3,235	34	1,314	48	784	13	1,812	518	352
South Atlantic:										
Delaware.....	1,807	1,583	44	2,454	8	278	3	888	380	2,886
Maryland.....	9,140	7,783	17	1,740	18	1,888	37	4,870	1,387	5,410
Virginia.....	8,884	8,408	13	1,451	38	1,848	104	4,847	1,307	3,843
West Virginia.....	3,822	3,170	38	1,854	32	888	6	1,848	430	2,132
North Carolina.....	10,801	8,804	11	1,408	35	2,018	134	5,880	1,182	2,808
South Carolina.....	8,382	4,818	27	1,488	32	1,188	31	2,887	821	3,738
Georgia.....	8,381	8,044	15	1,318	44	2,188	80	4,817	881	2,451
Florida.....	15,815	13,318	9	1,188	50	2,812	87	8,180	1,480	5,880
East South Central:										
Kentucky.....	8,710	8,708	24	1,531	38	1,825	12	3,218	883	4,110
Tennessee.....	8,813	8,888	22	1,238	47	1,812	41	3,272	781	2,188
Alabama.....	8,801	8,718	23	1,412	34	1,880	28	2,887	1,172	3,732
Mississippi.....	4,434	3,888	32	1,357	40	1,154	18	1,817	487	1,184
West South Central:										
Arkansas.....	3,823	3,172	35	1,338	48	827	5	1,827	413	1,087
Louisiana.....	8,388	7,035	18	1,884	34	1,752	17	3,030	1,038	10,478
Oklahoma.....	6,805	5,032	28	1,322	28	1,088	18	2,880	888	3,880
Texas.....	23,108	18,804	3	1,188	48	4,547	12	11,125	4,221	5,432
Mountain:										
Montana.....	1,754	1,388	45	1,888	20	488	13	817	308	1,240
Idaho.....	1,744	1,384	47	1,351	42	388	18	745	208	858
Wyoming.....	2,004	1,732	42	3,418	2	440	8	785	488	825
Colorado.....	5,885	4,580	29	1,383	38	1,174	18	2,344	1,013	1,888
New Mexico.....	3,825	3,880	33	2,285	5	800	31	1,482	1,287	2,137
Arizona.....	8,038	4,805	28	1,404	37	733	74	3,188	802	1,473
Utah.....	3,311	2,727	37	1,888	23	811	24	1,385	527	1,325
Nevada.....	2,391	1,814	43	1,888	21	345	8	1,048	212	1,234
Pacific:										
Washington.....	10,888	8,013	16	1,785	17	1,825	147	5,218	1,022	3,572
Oregon.....	6,524	4,179	31	1,547	25	1,088	37	1,831	1,148	7,142
California.....	63,887	60,234	1	1,880	14	12,080	321	30,878	5,844	20,122
Alaska.....	8,115	5,444	25	10,232	1	414	5	1,858	3,188	5,881
Hawaii.....	2,945	2,430	38	2,282	6	418	2	1,481	821	2,828

X Not applicable. ¹ Includes liquor stores, utilities, and insurance trust activities, not shown separately. ² 1970 based on enumerated resident population as of April 1, 1970; 1980 and 1983–1988 based on enumerated resident population as of April 1, 1980; 1975 and 1983–1988 based on estimated resident population as of July 1.

DEBT, AND EXPENDITURE 1970 TO 1986, AND BY STATE: 1986

For fiscal year ending in year shown; see text, section 8]

DEBT OUT- STANDING— Con.		Total expendi- ture ¹	GENERAL EXPENDITURES								YEAR, DIVISION, AND STATE
			Total ²			Selected functions					
			Amount	Per capita ³		Educa- tion	Public welfare	High- ways	Health and hospita- ls	Natural re- sources	
Total (dol.)	Rank										
207	(2)	85,065	77,842	383	(2)	30,885	13,206	—	5,365	2,223	1970
340	(2)	158,882	138,303	651	(2)	54,012	25,569	17,483	10,188	3,554	1975
540	(2)	257,812	228,223	1,010	(2)	87,839	44,220	25,044	17,855	4,348	1980
653	(2)	310,358	289,490	1,183	(2)	102,084	55,257	25,131	22,284	5,485	1982
716	(2)	323,689	284,891	1,218	(2)	107,703	57,544	26,431	23,567	5,834	1983
780	(2)	351,182	308,775	1,313	(2)	116,058	—	28,840	24,982	5,845	1984
880	(2)	380,742	345,047	1,448	(2)	128,804	67,264	33,154	27,585	6,758	1985
1,889	(2)	434,218	378,519	1,888	(2)	148,188	72,854	38,881	38,131	7,312	U.S., 1986
1,380	17	2,156	1,814	1,832	20	647	478	203	97	54	N. Eng.:
2,321	7	1,348	1,158	1,128	48	288	208	170	112	23	ME.
1,818	13	1,085	1,014	1,874	11	340	184	121	55	32	NH.
2,080	11	12,448	11,445	1,982	8	2,735	2,888	558	—	113	VT.
3,025	3	2,187	1,825	1,974	8	629	488	131	185	14	MA.
2,292	8	6,008	5,404	1,892	—	1,388	1,018	514	647	55	RI.
2,044	10	43,138	36,384	2,043	7	10,418	10,567	1,888	2,433	183	N. Atl.:
2,218	9	18,043	13,818	1,786	14	3,918	2,385	1,280	837	144	NY.
658	38	18,278	18,322	1,372	38	—	4,154	1,957	1,308	—	NJ.
834	29	18,010	15,372	1,430	31	5,888	3,579	—	1,141	153	PA.
308	48	7,548	7,111	1,282	45	3,108	1,118	855	600	147	E. No. Cent.:
1,038	25	17,823	18,108	1,385	35	5,524	3,858	1,838	1,018	201	OH.
778	33	17,583	16,802	1,707	17	4,843	4,031	1,182	—	223	IN.
874	28	8,125	8,424	1,781	15	2,775	1,858	619	577	161	IL.
882	28	—	7,858	1,885	12	2,808	1,512	—	541	198	MI.
582	40	4,852	4,451	1,582	28	1,872	788	880	337	99	IA.
741	35	8,477	8,084	1,187	—	2,434	888	838	553	137	MO.
1,084	24	1,537	1,427	2,101	4	580	174	185	95	54	W. No. Cent.:
1,840	12	1,074	1,028	1,454	28	282	138	178	88	55	SD.
818	30	2,205	2,122	1,325	—	880	381	353	188	74	NE.
143	50	3,522	3,240	1,316	43	1,448	485	507	288	85	KS.
4,182	2	1,416	1,318	2,083	8	523	123	138	92	27	So. Atl.:
1,213	18	8,132	7,154	1,804	21	2,107	1,284	1,035	684	150	DE.
883	38	8,873	8,238	1,422	34	3,357	982	1,205	820	128	MD.
1,112	21	3,821	—	1,589	22	—	448	473	150	81	VA.
412	48	—	—	—	—	4,227	1,075	878	737	187	WV.
1,102	23	5,841	4,812	1,423	33	—	584	380	538	112	NC.
402	47	8,530	7,974	1,307	44	3,488	1,284	927	670	188	SC.
488	41	13,740	12,867	1,108	50	5,310	1,881	1,305	1,120	448	GA.
1,108	22	5,781	5,372	1,442	30	2,134	827	718	308	158	FL.
448	44	8,080	5,871	1,181	—	2,228	1,012	800	483	90	E. So. Cent.:
888	27	—	5,800	1,457	27	2,887	738	858	617	127	KY.
451	43	3,838	3,483	1,325	40	1,420	508	—	267	110	TN.
458	42	3,355	3,133	1,321	41	1,342	503	470	—	90	W. So. Cent.:
2,329	6	8,818	7,151	—	24	2,887	985	777	755	—	AR.
1,188	20	5,828	4,801	1,452	28	2,155	781	675	388	87	LA.
325	—	20,782	18,818	1,134	48	8,728	2,253	2,533	—	292	OK.
1,518	15	1,843	1,288	1,708	—	447	185	270	82	77	TX.
857	37	1,517	1,383	1,320	42	587	145	218	—	—	MT.
1,827	14	1,833	1,478	2,811	2	488	102	288	81	57	ID.
612	38	4,852	4,378	1,340	38	1,842	782	538	385	107	WY.
1,448	18	3,300	3,088	2,085	5	1,382	282	328	240	88	CO.
448	45	5,074	—	1,430	32	2,070	480	738	182	—	NM.
788	32	3,071	—	1,579	19	1,327	355	325	248	72	AZ.
1,388	—	1,917	1,538	—	23	573	—	218	82	28	UT.
820	31	9,888	8,100	1,816	—	3,675	1,325	872	548	228	NV.
2,843	5	4,825	4,233	1,588	25	1,328	558	485	304	130	W. Pac.:
748	34	57,370	50,791	1,881	10	20,087	11,412	2,485	3,485	—	WA.
13,088	1	4,221	—	7,308	1	927	258	437	104	184	OR.
2,888	4	2,472	2,241	2,105	3	808	282	—	180	54	CA.
											AK.
											HI.

¹ Includes amounts not shown separately.Source: U.S. Bureau of the Census, *State Government Finances*, series GF, No. 2, and *Census of Governments: 1977 and 1982*, Vol. 6, No. 4, *Historical Statistics on Governmental Finances and Employment*.

NO. 461. STATE GOVERNMENT TAX COLLECTIONS AND EXCISE TAXES, 1970 TO 1967, AND BY STATE, 1967

[Tax collections for fiscal year; see text, section 8. Excise taxes as of September 1. Collections include local shares of State-imposed taxes. 1967 tax collections preliminary. For composition of regions, see fig. 1, inside front cover]

YEAR, REGION, DIVISION, AND STATE	STATE TAX COLLECTIONS (mil. dol.)								EXCISE TAXES		
	Total ¹	Sales and gross receipts				Individual income	Corporate net income	Motor vehicle and operators' licenses	General sales and gross receipts (percent) ²	Cigarettes (cents per package)	Gasoline (cents per gal.)
		Total ¹	General sales and gross receipts	Motor fuels	Alcoholic beverages and tobacco products						
1970 ³	47,962	27,254	14,177	6,263	3,728	9,183	3,736	2,728	(X)	(X)	(X)
1975 ⁴	60,155	43,348	24,780	8,255	5,249	16,619	5,642	3,941	(X)	(X)	(X)
1980 ⁵	137,076	67,855	43,168	9,722	6,218	37,069	13,321	6,325	(X)	(X)	(X)
1985 ⁶	215,893	105,419	69,633	13,344	7,393	63,906	17,631	7,780	(X)	(X)	(X)
1986 ⁷	228,295	112,353	74,927	14,101	7,511	67,480	18,462	8,372	(X)	(X)	(X)
1967 ⁸	247,149	119,870	79,818	15,991	7,996	76,036	20,740	9,837	(X)	(X)	(X)
Regions:											
Northeast	61,809	25,695	16,168	2,329	1,753	23,228	6,478	1,815	(X)	(X)	(X)
Midwest	56,881	28,041	18,056	4,171	1,744	18,790	4,758	2,433	(X)	(X)	(X)
South ⁹	89,819	40,033	25,132	8,087	3,048	15,110	3,835	2,885	(X)	(X)	(X)
West	58,640	26,201	19,593	3,085	1,152	18,910	5,878	1,904	(X)	(X)	(X)
New England	16,282	7,174	4,889	838	854	5,388	2,830	838	(X)	(X)	(X)
Maine	1,288	686	436	87	73	429	66	55	5 F&D	25	14
New Hampshire	563	243	(X)	84	43	9	152	48	(X)	17	14
Vermont	538	278	109	40	27	162	36	34	4 F&D	17	13
Massachusetts	8,464	2,758	1,807	310	252	3,979	1,204	179	5 F&D	25	11
Rhode Island	1,050	531	351	53	37	359	66	27	6 F&D	25	15
Connecticut	4,356	2,666	1,823	254	122	486	680	197	7.5 F&D	25	19
Middle Atlantic	45,547	18,821	11,878	1,491	1,189	17,890	4,248	1,276	(X)	(X)	(X)
New York	24,676	7,878	5,098	486	589	12,477	2,143	480	4 F&D	21	8
New Jersey	9,491	4,911	2,912	344	266	2,803	1,088	380	6 F&D	27	8
Pennsylvania	11,379	5,734	3,599	651	306	2,700	1,018	446	6 F&D	19	12
East North Central	40,452	19,943	13,521	2,916	1,214	13,291	3,866	1,572	(X)	(X)	(X)
Ohio	8,717	5,131	3,363	642	251	3,218	475	362	5 F&D	16	14.7
Indiana	4,774	2,856	2,252	367	110	1,455	236	89	5 F&D	15.5	14
Illinois	10,430	5,386	3,406	741	319	3,095	862	614	5 F&D	20	13
Michigan	9,557	4,092	2,829	716	300	3,208	1,845	354	4 F&D	21	15
Wisconsin	5,674	2,475	1,652	419	174	2,224	471	165	5 F&D	30	20
West North Central	18,430	8,086	5,436	1,553	880	6,589	1,970	881	(X)	(X)	(X)
Minnesota	5,546	2,407	1,469	367	136	2,312	423	274	6 F&D	36	17
Iowa	2,662	1,245	828	252	91	965	150	186	4 F&D	25	16
Missouri	3,942	2,093	1,624	215	108	1,248	235	187	4.225 D	13	11
North Dakota	573	300	194	55	17	80	33	39	5.5 F&D	27	17
South Dakota	418	327	205	57	22	(X)	24	36	5 D	23	13
Nebraska	1,203	694	391	162	51	390	67	54	4 F&D	27	17.8
Kansas	2,065	1,062	727	157	107	634	137	80	4 D	24	11
South Atlantic	38,296	20,320	13,238	2,990	1,336	11,388	2,806	1,389	(X)	(X)	(X)
Delaware	969	84	(X)	33	17	432	121	44	(X)	14	16
Maryland	5,204	2,308	1,302	329	95	2,181	270	94	5 F&D	13	16.8
District of Columbia ¹⁰	1,915	562	379	25	17	507	169	20	6 F&D	17	15.5
Virginia	5,527	2,200	1,103	439	112	2,446	321	249	3.5 D	2.5	17.5
West Virginia	1,830	1,134	790	162	42	482	90	88	5 F&D	17	10.5
North Carolina	6,235	2,530	1,456	554	148	2,586	566	238	3 D	2	15.5
South Carolina	3,340	1,921	1,386	262	137	1,009	190	80	5 D	7	15
Georgia	5,324	2,487	1,739	399	206	2,149	449	87	3 D	12	7.8
Florida	9,548	7,588	5,478	718	775	(X)	596	422	5 F&D	24	4
East South Central	12,289	7,390	4,786	1,176	471	2,182	891	498	(X)	(X)	(X)
Kentucky	3,520	1,583	892	294	66	921	267	147	5 F&D	3	16
Tennessee	3,803	2,786	1,994	489	145	66	299	145	5.5 D	13	17
Alabama	3,222	1,741	894	289	169	889	162	113	4 D	16.5	11
Mississippi	1,943	1,301	1,015	186	91	315	103	84	6 D	18	15
West South Central	19,236	12,323	7,120	2,042	1,042	1,863	391	1,136	(X)	(X)	(X)
Arkansas	1,889	1,062	716	206	87	835	115	77	4 D	21	13.5
Louisiana	3,449	1,855	1,180	357	131	439	191	85	4 F&D	18	18
Oklahoma	2,669	1,169	614	205	127	679	84	228	4 D	23	16
Texas	11,228	6,118	4,801	1,273	697	(X)	(X)	746	5.25 F&D	20.5	15
Mountain	12,215	8,773	4,526	1,137	382	3,931	886	912	(X)	(X)	(X)
Montana	591	149	(X)	65	26	195	35	32	(X)	16	20
Idaho	830	439	296	82	22	265	47	36	5 D	16	14.8
Wyoming	632	211	151	36	6	(X)	(X)	37	3 D	8	8
Colorado	2,561	1,216	719	292	103	1,035	124	82	3 F&D	20	18
New Mexico	1,575	924	700	198	36	243	99	40	4.75	15	14
Arizona	3,489	2,125	1,547	310	82	762	199	187	5 F&D	15	16
Utah	1,436	753	559	127	33	532	61	45	5.094 F&D	23	18
Nevada	1,118	956	553	98	34	(X)	(X)	52	5.75 F&D	20	14.25
Pacific	46,426	19,436	16,087	1,887	799	16,879	5,113	1,392	(X)	(X)	(X)
Washington	5,839	4,245	3,284	449	235	(X)	(X)	154	5.5 D	31	18
Oregon	2,235	302	(X)	180	89	1,462	136	183	(X)	27	12
California	35,791	13,759	10,836	1,248	400	13,874	4,759	1,019	4.75 F&D	10	8
Alaska	1,062	82	(X)	32	22	(X)	141	18	(X)	18	8
Hawaii	1,697	1,041	816	48	54	543	77	18	4 D	(X)	11

X Not applicable. Z Less than \$500,000. ¹ Includes amounts for types of taxes not shown separately. ² F—food exempt from sales tax, D—prescription drugs exempt from sales tax. ³ DC excluded from total. ⁴ Local sales tax rates are additional. ⁵ An additional tax is levied at the rate of 3 percent of the retail sales price, less the current 7.5 cents per gallon tax. ⁶ Tax is 40 percent of wholesale price. ⁷ Combined State and county rates are: Hawaii 16 cents; Honolulu 22.5 cents; Kauai 15 cents, and Maui 19 cents.

Source: U.S. Bureau of the Census, *State Government Tax Collections*, series GF, No. 1, annual.

NO. 462. STATE GOVERNMENT INDIVIDUAL INCOME TAXES: 1987

[As of August 1987. Only basic rates, brackets and exemptions are shown. Local income tax rates, even those mandated by the State, are not included. Taxable income rates and brackets listed below apply to single individuals and married taxpayers filing "combined separate" returns (in States where this is permitted). Alaska, Florida, Nevada, South Dakota, Texas, Washington, and Wyoming have no State income tax.]

STATE	Taxable income rates (range in percent)	TAXABLE INCOME BRACKETS		PERSONAL EXEMPTIONS			SIZE OF STANDARD DEDUCTION ¹			Federal income tax deducti- ble ²
		Lowest amount under	Highest amount over	Single	Married— joint return	Depend- ents	Per- cent	Single	Married— joint return	
AL ³	2.0-5.0	⁴ \$500	⁴ \$3,000	\$1,500	\$3,000	\$300	20	\$2,000	\$4,000	Yes
AZ ⁶	2.0-8.0	1,155	6,930	1,038	3,982	1,138	19.4	983	1,908	Yes ⁸
AR	1.0-7.0	2,900	25,000	⁷ 20	⁷ 40	⁷ 20	10	1,000	1,000	No
CA ⁶	1.0-11.0	1,710	28,780	⁷ 43	⁷ 96	⁷ 14	(x)	1,710	3,420	No
CO				5% of federal income tax liability						
CT				Very limited income tax ⁸						
DE ³	1.0-8.8	1,800	40,000	1,000	2,000	1,000	10	1,000	1,000	Yes ⁹
DC	2.0-11.0	1,000	25,000	750	1,500	750	(x)	1,000	1,000	No
GA	1.0-6.0	750	7,000	1,800	3,000	700	¹⁰ 15	¹⁰ 2,300	¹⁰ 3,000	No
HI	2.25-10	1,000	20,000	1,000	8,800	1,800	(x)	1,000	1,700	No
ID	2.0-8.2	1,000	25,000				Same as federal ¹¹			No
IL	2.5	Flat rate		1,000	2,000	1,000	(x)	(x)	(x)	No
IN ³	3.4	Flat rate		1,080	2,000	1,000	(x)	(x)	(x)	No
IA ³	5-13.0	¹² 1,023	¹² 76,725	⁷ 20	⁷ 40	⁷ 15	¹⁰ 15	¹⁰ 1,200	¹⁰ 3,000	Yes
KS	2.0-8.0	2,000	25,000	1,000	2,000	1,000	¹⁰ 16	¹⁰ 2,400	¹⁰ 2,800	Yes ¹³
KY ³	2.0-8.0	3,000	6,000	⁷ 20	⁷ 40	⁷ 20	(x)	650	650	Yes
LA	2.0-6.0	10,000	50,000	¹⁴ 4,800	¹⁴ 9,000	¹⁴ 1,000	(¹⁴)	(¹⁴)	(¹⁴)	Yes
ME ⁶	1.0-10.0	2,000	25,000	1,000	2,000	1,000	¹⁰ 16	¹⁰ 2,500	¹⁰ 3,100	No
MD ⁶	¹⁰ 2.0-5.0	1,000	3,000	1,000	2,000	1,000	¹⁰ 13	¹⁰ 2,000	¹⁰ 4,800	No
MA	5.0	Flat rate		2,200	4,400	1,000	(x)	(x)	(x)	No
MI ³	4.6	Flat rate		1,500	3,000	1,500	(x)	(x)	(x)	No
MN ⁶	1.0-8.9	310	18,800	⁷ 73	⁷ 146	⁷ 73	10	2,500	2,800	Yes ¹⁶
MS	3.0-5.0	5,000	10,000	6,000	9,500	1,500	15	2,300	3,400	No
MO ³	1.5-6.0	¹⁷ 1,000	¹⁷ 9,000	1,200	1,200	400	(x)	Same as federal ¹¹		Yes
MT ⁶	2.0-11.0	1,300	46,400	1,080	2,120	1,080	20	1,980	3,980	Yes
NE	2.0-5.9	1,800	27,000	1,100	2,200	1,100	(x)	2,530	3,740	No
NH				Very limited income tax ¹⁸						
NJ	¹⁰ 2.0-3.5	20,000	50,000	1,000	2,000	1,000	(x)	(x)	(x)	No
NM	1.8-8.5	5,200	41,680	2,000	4,000	2,000	(x)	Same as federal ¹¹		No
NY ³	2.0-8.5	1,080	14,000	900	1,800	900	(x)	3,600	5,300	No
NC	3.0-7.0	2,000	10,000	1,100	²⁰ 2,200	900	10	550	(²⁰)	No
ND	²¹ 2.67-12	²¹ 3,000	²¹ 50,000				Same as federal ¹¹			Yes ²¹
OH ³	.751-6.9	5,000	100,000	650	1,300	650	(x)	(x)	(x)	No
OK	²² 5-6.0	²² 1,000	²² 7,500	1,000	2,000	1,000	15	2,000	2,000	Yes ²²
OR ⁶	5.0-9.0	2,000	5,000	⁷ 85	⁷ 170	⁷ 85	¹⁰ 13	¹⁰ 1,000	¹⁰ 3,000	Yes ²²
PA ³	2.1	Flat rate		(x)	(x)	(x)	(x)	(x)	(x)	No
RI				23.46% of federal income tax liability						
SC	3.0-7.0	4,080	10,000				Same as federal ¹¹			No
TN				Very limited income tax ²⁴						
UT	2.75-7.75	750	3,750	750	1,500	750	¹⁰ 15	2,000	2,000	Yes
VT				25.8% of federal income tax liability						
VA	2.0-5.75	3,000	14,000	700	1,400	700	15	2,900	4,000	No
WV	3.0-6.5	16,000	60,000	2,000	4,000	2,000	No deductions ²⁵			No
WI ⁶	5.0-7.9	7,500	30,000	⁷ 20	⁷ 40	⁷ 20	(x)	5,200	7,200	No

X Not applicable. ¹ The lesser of either (a) the percentage indicated, multiplied by adjusted gross income or (b) the dollar value listed. ² A State provision that allows the taxpayer to deduct fully the Federal income tax payment reduces the effective marginal tax rate for persons in the highest State and Federal tax brackets by approximately one-half the nominal tax rate—the deduction is of a lesser benefit to other taxpayers. ³ States in which one or more local governments levy a local income tax.

⁴ Social Security (FICA) taxes are deducted from taxable income. ⁵ Indexed by an inflation factor. Brackets shown are for 1980. Oregon and Wisconsin are scheduled to begin indexing in 1987. 1987 inflation adjustment will be determined in the fall.

⁶ Limited to 46% of Federal tax liability or \$475, whichever is greater. ⁷ Tax credit. ⁸ There is an income tax on interest and dividend income only. The rate of this tax ranges from 1% of interest and dividend income for taxpayers with an AGI of \$54,000 to \$67,999 to 12% of such income of taxpayers with an AGI over \$100,000. Capital gains are taxed at 7% after an exemption of \$100 is applied. ⁹ Federal income tax deduction limited to \$300 (\$600 married). ¹⁰ A minimum standard deduction exists. In instances where the percentage standard deduction is less than the minimum, the minimum deduction amount should be taken.

¹¹ Personal exemptions on the 1987 return are \$1,900 each; standard deduction for single is \$2,540 and for those filing joint returns, \$3,780. ¹² Tax cannot reduce after-tax income of taxpayer to below \$5,000. ¹³ FICA taxes also deductible. ¹⁴ Personal exemption and standard deduction are combined. ¹⁵ All counties have a local income tax surcharge of at least 20% of State tax liability; most counties have a surcharge of 50%.

¹⁶ Taxpayers may choose between two tax tables: whether to deduct Federal taxes or to use a lower rate. Figures shown here are lower rate option. ¹⁷ FICA taxes deductible when itemizing deductions. ¹⁸ There is a 5% tax on dividend and interest income (excluding income from savings bank deposits) in excess of \$1,200 (\$2,400 married).

¹⁹ No taxpayer is subject to tax if gross income is \$3,000 or less (\$1,500 married, filing separately). ²⁰ An additional exemption of \$1,100 is allowed the spouse with the smallest income. Joint returns not allowed. ²¹ Taxpayers have the option of paying a tax of 14% of the taxpayers adjusted Federal income tax liability or using the long form with a separate schedule; taxpayers using the long form may deduct Federal income tax paid; a 10% surtax is also imposed in 1987.

²² These tax rates and brackets apply to single persons not deducting Federal income tax. For individuals deducting Federal income tax, rates range from .5% of the first \$1,000 to 17% on income over \$49,000. ²³ Federal tax deduction limited to \$7,000 (\$3,500 married, filing separately). ²⁴ Interest and dividends taxed at 6%. ²⁵ Eliminated standard deduction; no itemized deductions are permitted.

Source: Advisory Commission on Intergovernmental Relations, Washington, DC, *Significant Features of Fiscal Federalism, 1986 Edition*.

NO. 463. GROSS REVENUE OF SELECTED STATES FROM PARIMUTUEL AND AMUSEMENT TAXES AND LOTTERIES, 1980 TO 1986, AND BY STATE, 1986

(In millions of dollars, except percent. For fiscal years, see text, section 6)

YEAR AND STATE	Gross revenue	Parimutuel taxes	Amusement taxes ¹	LOTTERY REVENUE		STATE	Gross revenue	Parimutuel taxes	Amusement taxes ¹	LOTTERY REVENUE	
				Total ²	Per-cent for prizes					Total ²	Per-cent for prizes
1980	3,153.7	731.5	234.1	2,188.1	62.3	MA	958.3	37.5	6.8	910.8	51.7
1982	4,588.3	730.5	309.8	3,548.0	62.2	MI	952.2	21.3	(0)	931.0	48.0
1983	5,859.3	729.3	366.0	4,764.0	62.1	MO	196.5	(0)	(0)	196.5	(0)
1984	7,360.1	739.4	383.7	6,237.0	62.4	NE	11.0	7.1	3.8	(0)	(0)
1985	9,227.0	863.9	411.8	8,121.6	62.1	NV	217.3	(2)	217.3	(0)	(0)
1986 ⁴	12,163.8	848.6	482.7	11,054.8	62.8	NH	44.5	10.7	(0)	33.8	49.1
AZ	128.3	12.1	.8	113.8	48.5	NJ	1,136.4	7.6	191.6	937.1	51.8
AR	19.8	19.8	(0)	(0)	(0)	NM	4.1	2.9	1.2	(0)	(0)
CA	1,788.0	112.3	(0)	1,675.7	53.0	NY	1,296.3	90.3	1.3	1,204.7	49.7
CO	111.4	8.6	.8	102.4	60.2	OH	899.2	10.8	(0)	888.3	52.2
CT	484.3	63.9	13.8	406.6	63.8	OK	1.5	1.5	(2)	(0)	(0)
DE	36.1	.4	(0)	37.7	62.4	OR	87.8	4.7	(0)	83.1	55.0
DC	112.3	(0)	(0)	112.3	62.8	PA	1,243.8	9.3	.3	1,234.2	53.8
FL	115.7	113.1	2.6	(0)	(0)	RI	55.8	5.8	1	50.0	63.8
IA	77.2	(0)	(0)	77.2	60.9	SC	7.4	(0)	7.4	(0)	(0)
IL	1,264.0	65.8	8.3	1,189.8	52.7	SD	3.4	3.4	(0)	(0)	(0)
KY	11.1	10.8	.3	(0)	(0)	VT	12.3	.5	(0)	11.8	62.8
LA	23.3	23.1	.2	(0)	(0)	WA	190.3	8.7	1	181.5	49.4
ME	37.5	1.3	(0)	36.2	66.5	WV	53.0	(0)	(0)	53.0	49.8
MO	683.1	2.4	1.2	689.5	48.9						

X Not applicable. Z Less than \$50,000. ¹ Represents nonlicense taxes. ² Excludes commissions. ³ Excludes DC whose lottery began in 1984: (\$80.5) in 1984, (\$105.5) in 1985, and (\$112.3) in 1986. ⁴ Includes States whose gross revenues were less than \$1,000,000 not shown separately.

Source: U.S. Bureau of the Census, *State Government Finances*, series GF, No. 3, annual.

NO. 464. STATE GOVERNMENT REVENUE FROM SEVERANCE TAXES, BY STATE: 1984 TO 1987

(In millions of dollars. For fiscal years, see text, section 6. Severance taxes are taxes imposed distictively on the removal of natural products, such as oil, gas, other minerals, timber, and furs from land or water and measured by value and/or quantity of products removed or sold. See source for information on particular taxes (including changes in tax rates) and additional analytical detail. For composition of regions, see fig. 1, inside front cover)

REGION AND STATE	1984	1985	1986	1987	REGION AND STATE	1984	1985	1986	1987
Total	7,288	7,211	6,938	4,048	Mississippi	103.0	92.9	72.8	48.2
Regions:					Missouri	(2)	(2)	(2)	(2)
Northeast	.1	1	.5	1	Montana	144.8	150.7	129.8	101.6
Midwest	486.4	469.7	398.0	240.1	Nebraska	4.5	4.5	4.0	2.4
South	4,338.7	4,244.9	3,232.4	2,415.3	Nevada	.1	1	(2)	(2)
West	2,441.0	2,502.5	2,472.4	1,391.4	New Hampshire	.1	.1	.5	.1
Alabama	119.5	59.8	78.1	53.3	New Mexico	357.4	380.8	357.2	235.0
Alaska	1,303.0	1,389.3	886.9	886.9	North Carolina	1.9	1.5	1.4	1.4
Arkansas	27.1	28.0	22.2	15.1	North Dakota	198.8	176.3	147.0	85.8
California	17.5	19.1	19.2	22.8	Ohio	6.8	8.2	9.9	9.5
Colorado	30.0	30.4	22.6	9.7	Oklahoma	703.7	708.8	571.4	370.2
Florida ¹	167.8	173.2	83.8	81.3	Oregon	29.2	31.8	32.4	33.3
Idaho	1.2	.7	.5	.4	South Dakota	8.8	4.5	5.8	5.5
Indiana	1.5	1.5	1.3	.8	Tennessee	3.3	2.8	2.3	1.6
Kansas	117.0	111.9	102.1	—	Texas	2,218.0	2,175.3	1,552.1	1,161.7
Kentucky	210.7	228.0	229.3	211.2	Utah	38.4	49.4	43.9	21.5
Louisiana	782.1	745.2	619.7	440.5	Virginia	1.4	1.6	1.6	1.7
Michigan	73.3	—	52.8	—	Washington	31.1	38.2	37.0	40.8
Minnesota	74.1	60.0	9.5	5.3	Wisconsin	.9	1.0	.8	1.1
					Wyoming	398.3	404.0	387.3	298.7

Z Less than \$50,000. ¹ Beginning 1986, corporate excise tax (\$88,995,000) was reclassified to corporate net income tax.

Source: U.S. Bureau of the Census, *State Government Tax Collections*, series GF, No. 1, annual.

NO. 465. MINIMUM DRINKING AGES—STATES: 1970 TO 1986

(As of June. Effective July 1, 1986, all states have 21 minimum drinking age for all beverage alcohol. Includes District of Columbia)

BEVERAGE AND AGE	NUMBER OF STATES						BEVERAGE AND AGE	NUMBER OF STATES					
	1970	1975	1980	1985	1986	1986		1970	1975	1980	1985	1986	1986
Distilled spirits:							Fortified wine: ¹						
18 years	3	19	8	3	2	—	18 years	5	20	7	5	2	—
19 years	1	7	13	11	7	1	19 years	1	7	14	11	7	1
20 years	4	1	5	1	1	—	20 years	4	1	5	2	2	—
21 years	43	24	25	38	41	50	21 years	41	29	25	38	40	50
Table wine:							Beer: ²						
18 years	7	24	11	5	4	—	18 years	10	24	19	4	4	—
19 years	1	7	14	12	8	1	19 years	—	7	13	14	8	1
20 years	4	1	5	2	2	—	20 years	4	1	5	3	2	—
21 years	39	18	21	32	37	50	21 years	27	18	20	31	30	50

— Represents zero. ¹ A wine having an alcohol content of 14% to 21%.

² Excludes 3.2% beer. Purchases of over 3.2% beer legal in West Virginia in 1975.

Source: Distilled Spirits Council of the United States, Inc., Washington, DC, unpublished data.

No. 463. STATE GOVERNMENT INTERGOVERNMENTAL EXPENDITURES, 1960 TO 1966, AND BY STATE, 1966

[For fiscal year, see text, section 9]

YEAR, DIVISION, AND STATE	Total (mil. dol.)	Per capita ¹ (dol.)	Rank	As percent of general expenditure	DIVISION AND STATE	Total (mil. dol.)	Per capita ¹ (dol.)	Rank	As percent of general expenditure
1960	84,504	374	(x)	37.0	So. Atl.—Con.				
1963	100,867	432	(x)	35.4	VA	2,513	434	26	30.5
1964	106,373	486	(x)	35.0	WV	858	448	24	27.9
1965	121,571	511	(x)	35.2	NC	3,403	537	14	39.3
1966, U.S.	121,966	546	(x)	35.0	SC	1,429	423	28	29.7
N. Eng.: ME	426	365	42	22.4	GA	2,805	427	27	32.7
NH	175	170	49	15.1	FL	5,199	445	25	40.1
VT	159	294	47	15.7	E. So. Cent.: KY	1,416	390	39	26.4
MA	3,326	570	13	29.1	TN	1,430	296	46	25.2
RI	348	357	44	18.1	AL	1,563	366	36	26.5
CT	1,147	369	43	21.2	MS	1,237	471	16	35.5
Mid. Atl.: NY	15,182	663	4	41.8	W. So. Cent.: AR	986	417	29	31.6
NJ	4,808	690	9	35.3	LA	1,867	415	32	29.1
PA	5,364	451	21	32.9	OK	1,478	447	22	30.8
E. No. Cent.: OH	5,537	515	16	36.0	TX	6,147	398	41	32.5
IN	2,582	471	19	36.4	So. MT	320	391	37	22.9
IL	4,798	415	31	29.8	ID	399	399	38	30.2
MI	4,843	530	15	31.0	WY	580	1,154	2	40.0
WI	3,286	687	7	39.0	CO	1,459	447	23	35.3
W. No. Cent.: MN	3,124	742	6	39.8	NM	1,119	757	5	36.1
IA	1,457	511	17	32.7	AZ	1,814	584	12	40.8
MO	1,816	378	40	31.8	UT	782	470	20	28.0
ND	399	586	11	28.0	NV	580	610	10	36.4
SD	195	275	46	18.9	Pac.: WA	3,011	675	8	37.2
NE	537	396	45	25.3	OR	1,108	409	33	28.1
KS	965	404	34	30.7	CA	24,829	923	3	49.1
So. Atl.: DE	254	401	35	19.3	AK	854	1,824	1	22.2
MD		418	30	25.9	HI	30	26	50	1.3

X Not applicable. ¹ 1960 based on enumerated resident population as of April 1; 1963-1966 based on estimated resident population as of July 1

Source: U.S. Bureau of the Census, *Census of Governments: 1962*, Vol. 6, No. 4, *Historical Statistics on Governmental Finance and Employment* (GC62(4)-4), and *State Government Finance*, series GF, No. 3, annual.

No. 467. LOCAL GOVERNMENT GENERAL REVENUE, BY SOURCE, 1960 TO 1966, AND BY STATE, 1966

[In millions of dollars, for fiscal year, see text, section 9. Data are estimates based on sample and subject to sampling variability; see source and Appendix III]

YEAR, DIVISION, AND STATE	Total ¹	INTERGOVERNMENTAL FROM—		FROM OWN SOURCES		DIVISION AND STATE	Total ¹	INTERGOVERNMENTAL FROM—		FROM OWN SOURCES	
		Federal	State	Total	Taxes			Federal	State	Total	Taxes
1960	232,463	21,136	61,289	130,027	86,387	So. Atl.—Con.					
1963	298,394	21,021	98,378	178,994	112,995	MD	6,593	424	1,831	4,336	3,106
1964	323,118	20,795	105,820	196,504	123,399	DC	3,480	1,346	(x)	2,104	1,717
1965	354,119	21,724	118,380	216,014	134,473	VA	7,304	326	2,371	4,806	3,278
1966, U.S.	369,714	20,433	128,824	233,467	144,967	WV	2,017	96	694	1,057	461
N. Eng.	16,731	1,272	5,109	10,369	8,214	NC	7,240	431	2,978	3,834	2,158
ME	1,208	84	381	744	558	SC	3,304	177	1,176	1,949	957
NH	1,082	69	136	587	764	GA	6,854	493	2,369	5,993	2,898
VT	520	35	125	360	303	FL	17,736	873	5,229	11,636	5,747
MA	8,847	824	3,169	4,834	3,607	E. So. Cent.	16,143	896	5,492	9,856	4,898
RI	1,082	79	285	698	608	KY	3,513	215	1,327	1,971	897
CT	4,001	160	984	2,836	2,373	TN	5,232	356	1,393	3,483	1,800
Mid. Atl.	76,673	3,672	24,827	46,875	34,912	AL	4,397	266	1,526	2,606	1,143
NY	47,681	2,120	15,429	30,132	22,362	MS	3,002	160	1,245	1,597	618
NJ	12,582	523	4,393	7,668	5,871	W. So. Cent.	36,766	1,967	10,437	24,751	14,287
PA	16,310	1,029	5,004	10,276	6,659	AR	2,217	123	898	1,196	571
E. No. Cent.	61,949	3,418	20,174	36,367	26,532	LA	5,856	261	1,799	3,776	2,011
OH	15,346	816	5,165	9,283	6,121	OK	4,031	207	1,394	2,431	1,283
IN	6,932	337	2,596	3,997	2,295	TX	24,851	955	6,347	17,349	10,422
IL	16,933	1,127	4,530	11,277	6,086	So. MT	21,908	1,702	7,866	12,161	7,189
MI	14,775	731	4,585	9,479	6,263	MT	1,194	92	285	817	510
WI	7,983	305	3,317	4,340	2,787	ID	1,054	62	411	581	312
W. No. Cent.	25,763	1,362	7,933	16,467	9,337	WY	1,476	51	464	961	537
MN	8,510	363	3,242	4,905	2,329	CO	5,689	231	1,464	4,002	2,508
IA	4,179	170	1,398	2,611	1,582	NM	2,137	172	1,051	915	374
MO	5,374	365	1,434	3,585	2,227	AZ	5,742	299	1,994	3,448	1,701
ND	858	59	345	454	258	UT	2,354	116	764	1,474	766
SD	793	67	175	551	404	NV	1,643	80	623	941	463
NE	2,209	121	448	1,740	1,019	Pac.	99,399	2,923	28,982	34,682	30,467
KS	3,740	127		2,721	1,519	WA	6,821	425	2,700	3,695	1,873
So. Atl.	67,296	4,822	17,134	35,899	29,513	OR	4,253	383	1,008	2,864	1,943
DE	708	99	307	345	169	CA	54,485	1,961	24,081	28,424	15,706
						AK	2,066	69	847	1,152	640
						HI	961	116	49	516	405

X Not applicable. ¹ Excludes duplicative intergovernmental transactions.

Source: U.S. Bureau of the Census, *Census of Governments: 1962*, Vol. 6, No. 4, *Historical Statistics on Governmental Finance and Employment* (GC62(4)-4), and *Government Finance*, series GF, No. 5, annual.

No. 465. NUMBER OF LOCAL GOVERNMENTS, BY TYPE—STATES: 1982 AND 1987

[Governments in existence in January. Limited to governments actually in existence. Excludes, therefore, a few counties and numerous townships and "incorporated places" existing as areas for which statistics can be presented as to population and other subjects, but lacking any separate organized county, township, or municipal government]

STATE	1982			1987								
	All local govern- mental units ¹	School district govern- ments	Special district govern- ments	All local govern- mental units	County govern- ments	Muni- cipal govern- ments	Township govern- ments ²	School district govern- ments	Special district governments			
									Total ¹	Natural re- sources	Fire pro- tection	Hous- ing and com- munity devel- opment
U.S.	81,788	14,851	28,078	83,188	3,042	18,200	16,881	14,721	28,532	5,388	5,070	3,464
AL	1,018	127	390	1,053	67	439	-	129	421	89	4	156
AK	156	-	6	172	9	149	-	-	14	-	-	13
AZ	452	232	130	578	16	81	-	227	253	82	116	-
AR	1,424	372	505	1,838	75	463	-	333	505	245	33	130
CA	4,102	1,111	2,508	4,331	57	442	-	1,089	2,734	521	388	93
CO	1,544	185	1,030	1,538	62	288	-	150	1,085	138	213	56
CT	479	16	281	477	-	31	148	18	291	1	55	91
DE	217	19	139	291	3	57	-	19	202	197	-	3
DC	2	-	1	2	-	1	-	-	1	-	-	-
FL	989	95	417	955	85	380	-	95	414	133	48	99
GA	1,268	187	390	1,369	158	532	-	188	410	26	6	208
HI	18	-	14	18	3	1	-	-	14	14	-	-
ID	1,018	117	658	1,055	44	199	-	118	706	189	119	13
IL	6,487	1,049	2,802	6,827	102	1,279	1,434	1,029	2,783	913	501	114
IN	2,865	305	697	2,865	91	567	1,008	304	836	129	-	45
IA	1,871	456	331	1,877	90	955	-	451	372	234	89	15
KS	3,795	328	1,370	3,803	105	927	1,380	324	1,367	271	-	101
KY	1,241	180	517	1,303	119	437	-	178	588	127	88	24
LA	466	65	39	452	81	301	-	65	24	2	-	-
ME	608	95	195	600	18	22	471	38	203	13	-	26
MD	439	-	284	401	23	155	-	-	223	165	-	20
MA	799	81	354	838	12	39	312	82	391	16	20	249
MI	2,643	599	164	2,039	63	534	1,342	600	250	88	1	-
MN	3,529	438	355	3,565	67	955	1,788	441	374	119	-	163
MS	656	169	315	583	62	293	-	171	307	227	-	59
MO	3,117	557	1,195	3,147	114	930	325	551	1,217	155	148	172
MT	1,029	399	450	1,849	54	129	-	547	514	117	126	18
NE	3,324	1,089	1,157	3,152	93	534	454	952	1,119	110	427	134
NV	164	17	134	197	18	18	-	17	145	29	15	14
NH	517	180	113	524	10	13	221	160	120	9	15	22
NJ	1,591	548	454	1,825	21	320	247	551	489	16	172	34
NM	319	69	101	331	33	86	-	38	112	73	-	7
NY	3,249	726	923	3,302	57	618	929	720	978	2	803	-
NC	905	-	321	918	100	455	-	-	321	142	1	109
ND	2,795	325	682	2,767	53	355	1,355	310	703	63	279	34
OH	3,393	689	377	3,377	86	940	1,318	821	410	100	30	55
OK	1,702	638	405	1,802	77	591	-	838	498	110	17	119
OR	1,454	352	625	1,802	38	240	-	380	878	213	270	23
PA	5,193	514	2,050	4,955	86	1,022	1,548	515	1,805	5	1	38
RI	122	3	80	125	-	8	31	3	63	3	39	25
SC	645	92	242	707	45	289	-	92	300	48	86	43
SD	1,767	196	199	1,762	64	300	984	193	212	102	31	38
TN	913	15	409	904	94	334	-	14	462	124	-	94
TX	4,180	1,124	1,881	4,415	254	1,156	-	1,113	1,892	388	70	380
UT	504	40	211	530	29	225	-	40	238	71	13	11
VT	864	273	63	873	14	55	237	272	95	20	19	9
VA	407	-	63	430	95	229	-	-	108	43	-	-
WA	1,734	300	1,130	1,779	39	283	-	297	1,177	161	411	46
WV	633	55	282	630	55	230	-	55	280	15	-	32
WI	2,592	408	263	2,719	72	560	1,285	433	366	150	-	204
WY	395	56	225	424	23	95	-	56	250	114	44	-

- Represents zero. ¹ Includes other types of governments not shown separately. ² Includes "town" governments in the 6 New England States and in Minnesota, New York, and Wisconsin.

Source: U.S. Bureau of the Census, *Census of Governments: 1982 and 1987, Vol. 1, No. 1, Government Organization*.

FIG. 458. COUNTY REVENUES AND TAXES—SUMMARY, 1957, AND THEIR POPULATION, 1956, BY POPULATION-SIZE GROUP

Percent of governmental activity 1957 measured relative to a 1957 county government whose taxes are \$200 per capita (Illinois, Kansas, New York, and Wisconsin).

POPULATION-SIZE GROUP	COUNTY GOVERNMENTS			COUNTY GOVERNMENTS			COUNTY GOVERNMENTS		
	COUNTY 1957	PERCENTAGE 1,000		COUNTY 1957	PERCENTAGE 1,000		COUNTY 1957	PERCENTAGE 1,000	
		1957	1956		1957	1956		1957	1956
Total		100	100		100	100		100	100
200,000 or more	15	21.35	21.1	15	21.35	21.1	15	21.35	21.1
100,000-200,000	30	18.85	18.6	30	18.85	18.6	30	18.85	18.6
50,000-100,000	30	17.35	17.2	30	17.35	17.2	30	17.35	17.2
25,000-50,000	30	17.35	17.2	30	17.35	17.2	30	17.35	17.2
10,000-25,000	30	17.35	17.2	30	17.35	17.2	30	17.35	17.2
5,000-10,000	30	17.35	17.2	30	17.35	17.2	30	17.35	17.2
2,500-5,000	30	17.35	17.2	30	17.35	17.2	30	17.35	17.2
1,000-2,500	30	17.35	17.2	30	17.35	17.2	30	17.35	17.2
Less than 1,000	30	17.35	17.2	30	17.35	17.2	30	17.35	17.2

Source: U.S. Bureau of the Census, *County Government Finances, 1957*, vol. 1, pt. 1, Governmental Organization.

FIG. 459. COUNTY GOVERNMENTS—SUMMARY OF REVENUES, 1957 TO 1959, AND PER CAPITA BY POPULATION-SIZE GROUP, 1956

County data given ending January 1 of preceding year and June 30 of year shown. Percentages of counties are the dependent variable (excluding dependent variable counties where indicated). Per capita taxes are estimated (except indicated as of July 1959).

COUNTY	ALL COUNTIES (PER CAPITA)					PER CAPITA TAXES, 1956				
	1957	1958	1959	1957	1958	COUNTY 1957	COUNTY 1958	COUNTY 1959	COUNTY 1957	COUNTY 1958
General revenue	24,873	26,277	27,122	28,820	29,820	100.00	100.00	100.00	100.00	100.00
Intergovernmental revenue ^a	24,748	27,773	28,779	29,614	30,781	100.00	100.00	100.00	100.00	100.00
From State government	18,820	20,735	21,820	22,716	23,820	100.00	100.00	100.00	100.00	100.00
From Federal government	4,928	4,938	4,959	4,798	3,961	100.00	100.00	100.00	100.00	100.00
General market sharing	1,748	1,735	1,723	1,748	1,714	100.00	100.00	100.00	100.00	100.00
Tax revenue ^b	18,820	20,735	21,820	22,716	23,820	100.00	100.00	100.00	100.00	100.00
Property	14,320	15,820	17,320	18,820	20,320	100.00	100.00	100.00	100.00	100.00
Charges and contributions	11,520	12,520	13,520	14,520	15,520	100.00	100.00	100.00	100.00	100.00
General expenditures	24,873	26,277	27,122	28,820	29,820	100.00	100.00	100.00	100.00	100.00
Capital outlay	6,820	6,820	6,820	6,820	6,820	100.00	100.00	100.00	100.00	100.00
Other	18,053	19,457	20,302	22,000	23,000	100.00	100.00	100.00	100.00	100.00
Public welfare	8,820	10,420	11,275	12,237	13,238	100.00	100.00	100.00	100.00	100.00
Education	8,412	10,000	10,744	11,820	12,777	100.00	100.00	100.00	100.00	100.00
Highways	5,227	6,142	6,489	7,008	7,500	100.00	100.00	100.00	100.00	100.00
Hospitals	5,875	6,101	6,847	8,008	8,500	100.00	100.00	100.00	100.00	100.00
General control	3,574	4,820	5,119	5,820	6,100	100.00	100.00	100.00	100.00	100.00
Police protection	2,821	3,720	4,015	4,820	4,810	100.00	100.00	100.00	100.00	100.00
Financial administration	1,521	2,010	2,101	2,410	2,810	100.00	100.00	100.00	100.00	100.00
General public buildings	1,572	1,237	1,347	1,489	1,522	100.00	100.00	100.00	100.00	100.00
Health	2,008	4,008	4,341	4,784	5,385	100.00	100.00	100.00	100.00	100.00
Corrections	1,789	2,789	3,119	3,489	4,045	100.00	100.00	100.00	100.00	100.00
Natural resources	887	789	854	1,023	1,077	100.00	100.00	100.00	100.00	100.00
Parks and recreation	1,084	1,351	1,380	1,508	1,775	100.00	100.00	100.00	100.00	100.00
Interest on general debt	1,542	3,225	4,004	4,852	5,475	100.00	100.00	100.00	100.00	100.00
Other and unallocable	9,570	10,309	10,741	11,709	13,531	100.00	100.00	100.00	100.00	100.00
Debt outstanding, end of year	22,820	26,277	28,820	29,820	29,820	100.00	100.00	100.00	100.00	100.00
Long-term	21,543	25,304	28,442	29,182	29,820	100.00	100.00	100.00	100.00	100.00
Short-term	1,277	2,973	2,378	7,638	1,000	100.00	100.00	100.00	100.00	100.00

^aData for counties under 100,000 population are estimates subject to sampling variation. See Appendix III and source.

^bFigures in parentheses represent number of counties in each size group. ^cEstimated. ^dIncludes other revenues not shown separately. ^eIncluded in other and unallocable.

Source: U.S. Bureau of the Census, *County Government Finances*, series GF, No. 8, annual.

No. 471. CITY GOVERNMENTS—SUMMARY OF FINANCES: 1990 TO 1996

(For fiscal years ending in year shown; see text, section B. Data revised since originally published and may not agree, therefore, with table 474. Represents all municipalities and their dependent agencies (including dependent school systems where applicable); excludes other local governments overlying city areas. Includes sample-based estimates for cities of less than 50,000; thus subject to sampling variation. See Appendix II and source.)

ITEM	TOTAL (mil. dol.)			PER CAPITA ¹ (dol.)			PERCENT DISTRIBUTION		
	1990	1995	1996	1990	1995	1996	1990	1995	1996
Revenue	84,862	147,672	158,886	473	1,007	1,080	100.0	100.0	100.0
General revenue	76,056	114,649	122,100	539	761	815	60.2	77.8	76.8
Intergovernmental revenue	28,270	35,859	37,131	200	244	248	29.8	24.3	23.4
From State governments only	15,939	23,103	24,626	115	167	164	16.8	15.6	15.6
Taxes	31,256	47,647	50,659	222	325	339	32.8	32.3	32.0
Property	16,859	23,459	25,061	119	160	167	17.8	15.9	15.8
Percent of total taxes	53.9	49.2	49.3	(X)	(X)	(X)	(X)	(X)	(X)
Sales and gross receipts	9,208	13,877	14,544	56	85	88	8.7	8.4	8.2
General	5,066	8,589	9,021	36	58	60	6.4	5.8	5.7
Selective	3,112	5,307	5,523	22	38	38	3.3	3.6	3.5
Income, licenses and other	6,189	10,312	11,154	44	70	74	6.5	7.0	7.0
Charges and miscellaneous	16,530	21,142	24,110	117	212	229	17.4	21.1	21.5
Current charges only	9,576	16,514	18,072	70	113	121	10.4	11.2	11.4
Utility and liquor store revenue	15,719	26,471	27,822	111	180	188	16.6	17.9	17.5
Water system	4,989	8,504	9,203	35	56	61	5.9	6.8	5.8
Electric power system	6,007	13,963	14,204	57	81	85	8.4	9.0	8.9
Gas supply system	1,444	2,796	2,570	10	19	17	1.5	1.9	1.6
Transit system	1,032	1,548	1,578	7	11	11	1.1	1.0	1.0
Liquor stores	347	280	257	2	2	2	.3	.2	.2
Insurance trust revenue	3,086	6,552	6,965	22	45	60	3.3	4.4	5.6
Expenditure	83,899	146,800	152,181	464	994	1,015	100.0	100.0	100.0
General expenditure	72,433	106,652	114,664	519	720	788	77.3	75.5	75.5
Police protection	8,200	12,574	13,637	58	85	91	8.8	9.0	9.0
Fire protection	4,535	8,796	7,303	32	48	40	4.8	4.9	4.8
Highways	5,677	6,709	9,336	42	59	82	6.4	6.2	6.1
Sewerage and other sanitation	7,907	11,446	12,359	56	76	82	8.4	8.2	8.1
Public welfare	3,801	5,752	6,254	27	39	42	4.1	4.1	4.1
Education	9,264	11,439	12,391	68	76	82	9.9	8.2	8.1
Libraries	683	1,304	1,448	8	9	10	.9	.9	1.0
Health and hospitals	4,467	6,575	7,056	32	46	47	4.8	4.7	4.6
Parks and recreation	3,493	4,899	5,430	24	34	36	3.7	3.6	3.6
Housing and community development	3,489	5,105	5,556	25	35	37	3.7	3.6	3.7
Airports	1,100	1,894	1,879	6	12	13	1.2	1.2	1.3
Financial administration	1,843	2,709	3,059	13	18	20	2.0	1.9	2.0
General control	2,015	3,401	3,756	14	23	25	2.2	2.4	2.5
General public buildings	1,080	1,483	1,439	8	10	10	1.2	1.1	.9
Interest on general debt	3,054	6,868	6,097	22	47	54	3.9	4.8	5.3
Other and unallocable	11,395	14,814	15,808	81	101	105	12.2	10.8	10.4
Utility and liquor store expenditure	18,274	29,534	32,141	130	201	214	18.5	21.1	21.1
Water system	5,988	9,601	10,641	42	85	71	6.9	6.8	7.0
Electric power system	6,596	13,988	14,975	61	89	100	8.2	8.7	9.8
Gas supply system	1,334	2,724	2,582	9	19	17	1.4	1.9	1.7
Transit system	2,169	3,381	3,699	16	23	25	2.3	2.4	2.4
Liquor stores	322	340	343	2	2	2	.2	.2	.2
Insurance trust expenditure	2,893	4,814	5,175	21	33	35	3.2	3.4	3.4
By character and object:									
Direct expenditure	81,892	136,601	147,961	660	931	987	87.9	87.6	87.2
Current operation	66,697	98,301	106,330	479	677	709	71.2	70.9	69.9
Capital outlay	16,285	21,374	23,878	116	149	159	17.4	15.9	15.7
Construction	13,341	16,838	17,693	95	113	118	14.2	11.9	11.6
Land and existing structures ²	2,944	4,736	6,185	21	32	41	3.1	3.4	4.1
Assistance payments	1,546	2,060	2,099	11	14	14	1.6	1.5	1.4
Interest on debt	4,182	9,052	10,485	30	62	70	4.5	6.5	6.9
Insurance benefits, repayments	2,992	4,814	5,175	21	33	35	3.2	3.4	3.4
Intergovernmental expenditure	2,007	3,399	4,220	14	23	28	2.1	2.4	2.8
Total salaries and wages³	34,708	48,080	51,837	248	329	346	37.0	34.9	34.7
Debt outstanding, year end	85,919	141,138	154,796	810	961	1,069	100.0	100.0	100.0
Long-term	82,946	136,912	150,142	594	926	1,062	66.7	68.3	68.6
Full faith and credit	38,570	46,345	51,583	280	318	344	46.0	32.8	31.3
Nonguaranteed	42,776	89,567	107,560	309	611	718	49.7	63.5	66.3
Short-term	3,673	5,227	5,654	26	36	39	4.3	3.7	3.4
Net long-term debt outstanding	72,526	124,518	144,076	514	846	961	64.3	68.2	67.4
Long-term debt issued	12,582	25,663	41,198	88	175	275	(X)	(X)	(X)
Long-term debt retired	5,541	11,397	18,080	39	78	120	(X)	(X)	(X)

X Not applicable. ¹990 based on enumerated resident population as of April 1, 1990; 1995 and 1996 based on estimated resident population as of July 1, 1994 and 1996 respectively. ²Includes equipment. ³Included in items shown above.

Source: U.S. Bureau of the Census, City Government Finance, series GF No. 4, annual.

No. 472. CITY GOVERNMENTS—TOTAL AND PER CAPITA REVENUE, EXPENDITURE, AND DEBT FOR LARGEST CITIES: 1986

[For fiscal year closed in the 12 months ending June 30, 1986. Cities ranked by size of population estimated as of July 1, 1986, except Honolulu and Baton Rouge ranked by county population. Data reflect inclusion of fiscal activity of dependent school systems, where applicable. Inter-city comparisons should be made with caution due to variations in responsibilities among urban areas; for details see text, section 9 and source.]

CITIES RANKED BY 1986 POPULATION	GENERAL REVENUE		INTERGOVERN- MENTAL REVENUE		TAXES		GENERAL EXPENDITURE		GROSS DEBT OUTSTANDING	
	Total (mil. dol.)	Per capita ¹ (dol.)	Total (mil. dol.)	Per capita ¹ (dol.)	Total (mil. dol.)	Per capita ¹ (dol.)	Total (mil. dol.)	Per capita ¹ (dol.)	Total (mil. dol.)	Per capita ¹ (dol.)
New York City, NY ²	24,333	3,350	9,618	1,324	11,241	1,548	22,253	3,084	15,717	2,184
Los Angeles, CA	2,538	779	510	156	1,268	388	2,135	655	4,388	1,340
Chicago, IL	2,275	756	636	212	1,192	366	2,211	735	2,904	965
Houston, TX	1,282	730	145	64	811	354	1,218	705	2,589	1,498
Philadelphia, PA ²	2,101	1,279	518	314	1,231	749	1,923	1,170	3,128	1,904
Detroit, MI	1,456	1,341	698	642	515	474	1,194	1,099	1,058	974
San Diego, CA	713	702	178	173	242	238	584	575	1,382	1,342
Dallas, TX	736	733	119	116	412	411	619	617	972	969
San Antonio, TX	485	509	89	96	148	162	488	512	2,700	2,853
Phoenix, AZ	763	854	266	297	215	241	764	■	1,781	1,970
Honolulu, HI ²	503	815	118	145	296	362	485	594	■	■
Baltimore, MD ²	1,425	1,882	734	975	488	661	1,186	1,588	1,252	1,663
San Francisco, CA ²	1,857	2,480	828	838	648	862	1,463	1,954	1,824	2,435
Indianapolis, IN ²	592	823	213	296	227	315	536	746	488	679
San Jose, CA	495	685	88	123	239	336	478	671	724	1,016
Memphis, TN	686	1,051	424	650	144	221	622	954	625	1,284
Washington, DC ²	3,107	4,963	1,039	1,660	1,717	2,743	3,040	4,858	2,864	4,255
Jacksonville, FL ²	635	1,041	114	187	149	244	434	711	3,086	5,056
Milwaukee, WI	499	824	243	402	128	212	432	714	557	921
Boston, MA ²	1,221	2,129	585	1,019	448	781	977	1,704	■	1,202
Columbus, OH	371	685	72	126	185	327	350	619	905	1,569
New Orleans, LA ²	568	1,021	129	232	237	428	549	990	903	1,626
Cleveland, OH	446	833	135	253	219	408	450	640	■	809
Denver, CO ²	786	1,556	171	339	291	577	711	1,407	1,106	2,190
El Paso, TX	222	451	51	103	75	153	192	399	387	766
Seattle, WA	472	971	94	194	226	468	425	674	704	1,448
Nashville-Davidson, TN ²	677	1,430	153	324	323	681	646	1,395	1,886	■
Austin, TX	439	940	53	114	136	295	472	1,013	1,814	3,669
Oklahoma City, OK	315	705	35	76	124	276	253	568	368	826
Kansas City, MO	482	1,047	71	162	247	580	425	962	456	1,034
Fort Worth, TX	263	660	36	88	135	314	258	601	■	1,462
St. Louis, MO ²	469	1,100	66	208	257	602	434	1,017	463	1,133
Atlanta, GA	526	1,252	125	296	155	368	438	1,036	1,080	2,511
Long Beach, CA	475	1,197	94	237	125	317	452	1,141	519	1,311
Portland, OR	296	768	62	181	■	340	308	■	581	1,448
Pittsburgh, PA	324	838	90	231	195	502	314	■	447	1,152
Miami, FL	274	733	57	152	163	437	253	■	263	702
Tulsa, OK	360	963	32	65	139	373	338	■	■	3,472
Cincinnati, OH	370	1,001	62	222	181	435	353	954	187	533
Baton Rouge, LA ²	322	873	77	209	132	357	278	752	642	1,739
Albuquerque, NM	393	1,071	145	396	81	221	360	981	938	2,556
Tucson, AZ	301	839	110	308	103	■	291	810	606	2,250
Oakland, CA	378	1,059	74	206	144	403	■	970	1,042	2,818
Minneapolis, MN	617	1,730	163	457	128	358	451	1,283	1,936	5,425
Charlotte, NC	249	708	68	194	95	271	217	617	419	1,190
Omaha, NE	193	552	45	131	108	309	189	540	177	508
Toledo, OH	200	586	39	113	110	322	181	532	185	544
Virginia Beach, VA ²	406	1,224	151	454	198	595	386	1,158	■	1,040
Buffalo, NY	525	1,620	350	1,079	108	336	518	1,595	260	800
Sacramento, CA	192	583	32	100	96	295	189	584	150	462
Newark, NJ	314	963	196	621	67	212	280	■	141	446
Wichita, KS	234	811	37	130	65	227	221	767	■	1,456
Louisville, KY	185	649	40	140	100	347	178	613	609	2,119
Fresno, CA	152	533	36	128	66	226	143	503	207	727
Tampa, FL	222	799	50	180	80	268	265	855	■	2,380
Birmingham, AL	222	801	37	132	121	435	218	786	486	1,750
Norfolk, VA ²	387	1,409	162	553	156	589	410	1,491	414	1,506
Colorado Springs, CO	213	781	26	104	73	269	155	567	275	1,007
Corpus Christi, TX	141	533	26	97	■	244	143	541	353	1,339
St. Paul, MN	272	1,031	84	317	71	269	300	1,136	908	3,445
Mesa, AZ	135	637	37	148	■	149	145	578	376	1,504
Arlington, TX	108	432	8	32	57	229	120	480	368	1,476
Anaheim, CA	160	686	27	110	61	254	175	728	537	2,230
St. Petersburg, FL	140	565	29	121	47	195	127	531	217	906
San Antonio, CA	134	584	■	121	66	280	168	708	409	1,729
Rochester, NY	389	1,650	218	917	125	528	408	1,720	209	885
Anchorage, AK ²	642	2,733	294	1,250	136	579	681	2,899	914	3,886
Alton, OH	185	635	57	256	80	369	166	748	135	606
Shreveport, LA	132	600	15	69	74	334	134	608	310	1,405
Jersey City, NJ	386	1,758	222	1,013	80	392	392	1,787	134	613
Aurora, CO	124	667	11	52	80	368	96	468	488	2,230
Richmond, VA ²	396	1,830	159	731	191	676	417	1,818	■	1,840
Lexington-Fayette, KY ²	148	694	35	183	74	346	140	654	363	1,700
Jackson, MS	118	565	54	■	31	149	123	591	229	1,084
Mobile, AL	138	■	11	56	68	336	102	504	528	2,589

¹Based on estimated population as of July 1, 1986.

²Represents, in effect, city-county consolidated government.

Source: U.S. Bureau of the Census, City Government Finances, series GF68, No. 4, annual.

No. 473. CITY GOVERNMENTS—FINANCES,

(In millions of dollars. For fiscal year closed)

CITIES RANKED BY 1986 ¹ POPULATION	REVENUE								Gross debt outstand- ing
	Total ²	General revenue						Utility revenue	
		Total ²	Intergovernmental revenue		Taxes				
			From State and local gov'ts	From Federal Government	Total ²	Property	Sales and gross receipts		
New York City, NY ³	29,398	24,333	8,263.5	1,322.9	11,240.8	4,640.8	2,756.3	1,527.4	15,717
Los Angeles, CA	4,800	2,538	181.6	181.6	1,288.2	441.1	575.8	1,552.3	4,288
Chicago, IL	2,829	2,275	348.8	291.1	1,191.8	408.1	862.0	174.3	2,904
Houston, TX	1,820	1,262	51.4	89.3	611.2	348.8	245.3	153.3	2,589
Philadelphia, PA ³	2,725	2,101	351.5	164.3	1,231.3	243.5	25.0	580.9	3,128
Detroit, MI	1,906	1,456	548.2	151.8	515.1	177.8	56.5	131.9	1,068
San Diego, CA	869	713	108.8	88.8	241.7	64.2	134.9	87.8	1,382
Dallas, TX	926	736	89.3	29.8	412.5	215.7	181.8	108.4	872
San Antonio, TX	1,351	485	23.1	88.2	148.1	71.3	70.9	884.8	2,700
Phoenix, AZ	871	783	182.2	83.5	216.1	74.8	128.3	74.3	1,761
Honolulu, HI ³	581	503	24.8	84.1	295.8	242.9	31.7	58.7	425
Baltimore, MD ³	1,624	1,425	810.2	124.1	487.8	333.2	36.7	41.5	1,252
San Francisco, CA ³	2,411	1,857	495.6	132.3	645.8	335.3	151.0	211.1	1,824
Indianapolis, IN ³	614	582	147.2	85.5	227.1	198.1	12.6	8.3	488
San Jose, CA	564	495	58.8	28.8	239.3	83.1	105.6	5.8	724
Memphis, TN	1,475	888	375.2	48.8	144.1	108.6	—	694.5	825
Washington, DC ¹	3,445	3,107	34.3	1,004.8	1,717.2	484.1	528.8	51.7	—
Jacksonville, FL ³	1,173	696	70.0	44.3	148.9	107.8	32.8	485.0	3,086
Milwaukee, WI	634	489	206.8	36.4	126.2	120.4	2.4	34.7	557
Boston, MA ³	1,321	1,221	518.4	88.3	—	387.3	31.3	28.4	688
Columbus, OH	438	371	38.1	34.4	185.1	14.8	3.6	67.4	905
New Orleans, LA ³	634	586	48.0	82.8	237.1	88.9	135.5	44.3	903
Cleveland, OH	582	448	48.1	87.2	219.2	43.4	1.9	115.8	487
Denver, CO ³	587	786	134.8	38.8	281.2	80.1	177.4	88.4	1,108
El Paso, TX	270	222	6.8	44.0	75.3	41.1	31.8	28.2	387
Seattle, WA	774	472	64.3	30.1	227.7	71.8	103.8	261.7	704
Nashville-Davidson, TN ³	1,176	677	125.3	28.1	322.8	185.7	130.4	482.2	—
Austin, TX	880	439	21.8	31.5	137.7	73.1	67.6	403.5	1,814
Oklahoma City, OK	350	315	5.8	29.1	184.2	20.4	88.5	27.4	368
Kansas City, MO	536	482	28.8	44.8	247.2	31.0	115.1	33.4	458
Fort Worth, TX	368	283	8.7	28.0	136.0	77.8	51.7	54.7	628
St. Louis, MO ³	546	489	28.8	60.3	258.7	33.5	115.5	18.7	483
Atlanta, GA	639	528	65.1	58.7	155.1	78.2	51.8	58.7	1,080
Long Beach, CA	621	476	58.5	35.3	125.4	48.9	83.0	145.2	519
Portland, OR	334	298	38.8	23.9	131.8	94.7	23.3	33.1	561
Pittsburgh, PA	338	324	53.9	36.7	184.7	90.4	15.7	—	447
Miami, FL	319	274	32.3	24.4	183.4	102.1	47.5	—	283
Tulsa, OK	404	380	13.8	18.1	139.3	15.9	125.9	34.9	1,288
Cincinnati, OH	507	370	40.4	41.8	180.9	33.0	1.6	38.2	197
Baton Rouge, LA ³	357	322	42.4	34.7	131.8	35.7	87.9	3.0	542
Albuquerque, NM	430	393	90.1	—	81.1	38.8	—	37.2	938
Tucson, AZ	370	301	79.3	32.2	102.9	14.9	82.2	51.5	808
Oakland, CA	403	378	46.7	28.9	143.8	64.0	51.4	—	1,042
Minneapolis, MN	747	817	111.4	51.8	127.8	107.5	12.4	22.4	1,898
Charlotte, NC	280	249	47.8	20.8	95.3	91.4	—	22.4	419
Omaha, NE	215	193	22.5	23.2	107.8	50.3	50.1	—	177
Toledo, OH	217	200	20.3	18.3	109.8	10.9	—	17.8	185
Virginia Beach, VA ³	430	408	135.8	15.8	198.5	119.2	67.5	21.8	347
Buffalo, NY	542	528	278.9	73.8	109.1	96.8	9.4	—	280
Sacramento, CA	244	182	24.4	7.8	95.6	29.9	52.2	13.7	750
Newark, NJ	345	314	182.8	33.8	67.1	43.8	6.5	29.1	141
Wichita, KS	251	234	22.4	15.0	85.4	48.3	16.7	15.6	480
Louisville, KY	248	185	8.6	31.5	99.7	29.8	12.7	—	808
Fresno, CA	201	152	28.2	8.3	84.8	22.5	33.7	13.9	287
Tampa, FL	289	222	27.8	22.3	79.8	27.2	46.0	23.1	661
Birmingham, AL	254	222	17.0	19.6	120.8	19.2	43.7	—	486
Norfolk, VA ³	440	387	124.2	27.9	158.5	80.8	58.1	24.3	414
Colorado Springs, CO	468	213	18.6	11.8	73.4	12.7	59.4	253.4	275
Corpus Christi, TX	190	141	8.5	17.0	64.5	36.7	26.7	49.7	353
St. Paul, MN	329	272	58.4	24.1	70.9	51.4	16.3	19.2	908
Mesa, AZ	189	135	30.9	8.3	37.5	2.8	31.9	54.3	378
Arlington, TX	133	106	1.4	6.8	57.3	29.2	26.2	25.3	388
Anaheim, CA	358	180	20.9	5.8	61.3	24.5	46.2	197.6	537
St. Petersburg, FL	184	140	16.4	12.5	46.7	24.5	20.1	30.6	217
Santa Ana, CA	147	134	21.6	7.1	66.3	24.7	32.9	13.9	—
Rochester, NY	410	389	180.7	35.8	124.6	104.8	9.6	20.6	209
Anchorage, AK ³	738	642	278.6	15.2	138.1	120.7	3.5	72.2	814
Alton, OH	204	185	18.1	37.8	—	12.0	—	18.2	136
Shreveport, LA	153	132	5.3	9.8	73.7	27.1	42.5	14.2	310
Jersey City, NJ	408	368	188.1	53.3	—	53.9	—	18.5	134

— Represents zero. Z Less than \$50,000.

² Includes other categories, not shown separately.¹ Based on estimated resident population as of July 1, 1986.³ Represents, in effect, city-county consolidated government.

LARGEST CITIES: 1986

in the 12 months ending June 30, 1986. See footnote, table 473.

EXPENDITURE										CITIES RANKED BY 1986 * POPULATION
Total *	General expenditure									
	Total *	Educa- tion	Housing and commu- nity develop- ment	Public welfare	Health and hospita- lity	Police protec- tion	Fire protec- tion	High- ways	Utility expendi- ture	
27,882	22,253	4,717.1	1,408.2	4,888.0	2,338.3	1,278.0	880.0	982.0	2,882.2	New York City, NY *
4,175	2,135	7.4	102.0	-	4.8	428.3	177.1	107.2	1,815.2	Los Angeles, CA
2,587	2,211	30.3	138.5	88.3	53.8	485.1	182.3	138.3	134.0	Chicago, IL
1,488	1,219	-	15.8	-	37.8	207.5	132.0	88.3	210.4	Houston, TX
2,880	1,823	15.8	88.8	114.4	180.9	251.8	87.0	58.1	1,084.8	Philadelphia, PA *
1,882	1,184	5.5	88.1	-	74.8	214.4	82.7	123.8	218.3	Detroit, MI
745	584	-	82.1	(2)	2	80.1	40.8	34.5	121.3	San Diego, CA
880	818	-	10.8	-	8.4	114.3	82.3	88.4	181.4	Dallas, TX
1,541	488	3.9	13.0	3.4	22.7	57.2	28.5	31.8	1,084.8	San Antonio, TX
88	784	9.7	41.1	5	4	105.4	48.8	122.2	123.1	Phoenix, AZ
888	485	-	38.8	-	5.8	88.8	31.1	35.0	123.8	Honolulu, HI *
1,384	1,185	378.6	42.8	5	38.7	125.2	80.8	88.3	57.4	Baltimore, MD *
1,888	1,483	38.5	43.7	174.8	285.8	118.4	88.8	15.7	348.8	San Francisco, CA *
887	538	4	38.8	54.8	108.8	53.4	23.1	30.8	45.8	Indianapolis, IN *
932	478	-	81.1	-	-	81.7	38.8	38.8	8.8	San Jose, CA
1,380	822	282.4	18.3	(2)	12.3	54.2	45.4	15.4	88.8	Memphis, TN
3,348	3,040	901.8	170.8	528.8	382.0	212.0	72.0	81.8	58.3	Washington, DC *
1,255	434	(2)	35.5	8.0	28.3	48.7	32.8	88.8	888.2	Jacksonville, FL *
512	432	-	31.4	-	14.8	84.3	41.5	48.8	32.7	Milwaukee, WI
1,140	877	387.0	58.8	2.4	122.0	87.2	81.1	24.4	28.2	Boston, MA *
427	380	-	10.8	-	14.8	87.8	38.0	35.7	77.2	Columbus, OH
810	548	-	37.8	12.3	8.8	85.5	31.7	37.8	38.3	New Orleans, LA *
883	480	-	42.8	8	13.0	88.8	53.0	32.8	153.2	Cleveland, OH
821	711	-	8.8	83.8	88.7	83.2	40.7	32.1	100.7	Denver, CO *
241	182	1	2.8	2	7.5	28.8	18.8	23.2	41.8	El Paso, TX
782	425	-	38.3	-	8.3	58.4	38.0	17.2	282.8	Seattle, WA
1,183	848	213.1	7.3	8.7	50.7	42.5	22.8	28.1	515.4	Nashville-Davidson, TN *
1,047	472	7	8.4	8	88.3	41.0	23.8	32.7	583.5	Austin, TX
283	253	-	15.4	-	40.1	28.5	23.5	13.5	35.7	Oklahoma City, OK
478	425	21.0	13.1	-	27.8	85.8	28.8	38.2	35.4	Kansas City, MO
348	288	-	5.5	-	8.0	35.1	25.8	37.2	74.4	Fort Worth, TX
484	434	3.1	38.5	2.2	43.8	75.2	22.4	88.8	20.8	St. Louis, MO *
581	438	24.1	18.2	3.7	2	40.8	28.8	22.1	55.8	Atlanta, GA
820	452	2.1	54.5	-	8.8	85.2	38.7	20.8	187.3	Long Beach, CA
388	308	-	11.7	-	14.8	48.4	35.1	18.8	37.5	Portland, OR
354	314	-	20.5	(2)	8.2	48.8	35.1	25.3	13.7	Pittsburgh, PA
274	253	2	14.2	1.8	5	58.8	33.8	17.0	-	Miami, FL
405	338	1	8.8	-	3.7	37.0	25.5	42.5	87.0	Tulsa, OK
418	353	-	40.4	-	34.5	47.8	38.8	25.4	38.7	Cincinnati, OH
286	278	-	4.4	7	18.8	24.4	13.5	18.2	5.1	Baton Rouge, LA *
430	380	-	13.8	-	3.8	38.0	12.7	27.0	80.5	Albuquerque, NM
380	281	-	18.7	3.7	-	37.2	20.8	44.8	88.8	Tucson, AZ
380	348	1.5	25.4	-	5	47.5	28.4	15.8	-	Oakland, CA
628	451	-	87.5	-	7.8	38.5	24.1	38.1	18.5	Minneapolis, MN
273	217	-	10.8	1	14	88.7	18.8	27.8	54.3	Charlotte, NC
185	188	1	8.8	-	4	25.7	18.8	28.7	-	Omaha, NE
188	181	-	7.7	-	4.0	40.8	28.1	18.2	18.3	Toledo, OH
412	388	188.0	3	8.7	8.8	24.4	13.8	30.8	25.8	Virginia Beach, VA *
533	518	233.2	51.7	-	9	33.0	28.8	22.5	15.0	Buffalo, NY
218	88	-	2.4	-	-	42.2	25.7	30.4	12.5	Sacramento, CA
302	280	-	29.4	33.7	5.4	41.0	30.2	1.1	15.5	Newark, NJ
238	221	-	2	-	1.7	17.8	10.3	10.7	18.5	Wichita, KS
228	178	-	8.4	8.4	8.5	28.8	18.8	8.4	48.2	Louisville, KY
184	143	-	3.8	-	2.3	34.5	18.8	18.1	24.4	Fresno, CA
310	285	-	5.8	-	(2)	31.3	18.2	14.1	28.0	Tampa, FL
228	218	3.3	10.8	-	1.7	23.0	21.0	22.8	-	Birmingham, AL
444	410	145.0	34.8	21.8	22.7	22.8	17.8	18.3	28.1	Norfolk, VA *
388	155	-	8	8	48.8	19.5	11.5	15.3	241.8	Colorado Springs, CO
185	143	-	1.2	2	4.4	18.3	10.5	18.4	51.8	Corpus Christi, TX
325	300	-	20.0	-	5.5	24.3	18.8	33.4	14.8	St. Paul, MN
231	145	-	4.8	1	-	22.1	14.0	21.8	88.1	Mesa, AZ
157	120	-	1	4.5	1.2	13.1	10.7	25.3	38.8	Arlington, TX
381	175	-	33.7	-	-	27.8	13.8	88.8	88.8	Anaheim, CA
177	127	-	4.2	-	-	25.0	10.1	11.2	40.2	St. Petersburg, FL
183	188	-	58.4	-	1.8	31.5	14.0	14.8	14.8	Santa Ana, CA
423	408	187.8	18.3	-	-	27.8	20.8	27.1	18.7	Rochester, NY
818	881	271.5	-	9.7	18.8	34.2	28.8	38.4	138.8	Anchorage, AK *
188	188	-	27.2	-	3.8	21.3	18.3	22.8	22.4	Akron, OH
188	134	-	3.8	-	(2)	13.8	14.7	21.2	24.2	Shreveport, LA
408	382	148.8	14.8	5.0	74.8	38.2	28.0	5.8	15.4	Jersey City, NJ

Source: U.S. Bureau of the Census, City Government Finances, series GF, No. 4, annual.

No. 474. CITY GOVERNMENTS—FINANCES, BY POPULATION-SIZE GROUPS: 1986

[For fiscal year closed in the 12 months ending June 30, 1986. Represents all municipalities and their dependent agencies, including dependent school systems where applicable]

ITEM	All cities ¹	CITIES HAVING A 1986 POPULATION OF—						
		Less than 50,000 ¹	50,000 to 99,999	100,000 to 199,999	200,000 to 299,999	300,000 to 499,999	500,000 to 999,999	1,000,000 or more
Number of cities, 1986.....	19,200	18,768	248	105	24	27	16	8
Population, 1986 (1,000).....	149,890	70,446	17,504	14,721	5,902	10,521	10,766	20,008
FINANCES, 1986 (mil. dol.)								
General revenue ²	122,049	33,919	11,863	11,328	5,263	10,866	14,417	36,415
Taxes ²	50,573	12,832	4,883	4,628	1,944	4,011	5,766	16,711
Property	25,061	7,341	2,895	2,800	895	1,578	2,791	6,561
Percent of total taxes	49.3	57.2	60.4	60.5	46.0	41.8	48.2	39.3
Sales and gross receipts	14,657	3,632	1,385	1,334	651	1,822	1,473	4,627
Intergovernmental ²	37,117	9,018	3,071	3,372	1,658	2,832	5,049	12,417
From State governments	24,626	5,526	2,024	2,216	1,104	1,366	2,736	9,654
From Federal Government	9,813	2,356	873	895	449	926	2,036	2,303
Revenue sharing	2,369	657	244	232	104	202	217	502
Current charges	18,072	6,196	1,966	1,200	651	1,658	1,851	3,633
Water supply and other utilities revenue ³	27,622	12,077	2,447	3,259	1,045	1,836	2,664	4,294
General expenditure ²	114,864	32,449	11,384	11,289	5,427	9,244	12,986	32,137
Police and fire protection.....	20,941	6,862	2,476	2,275	949	1,837	2,107	4,413
Education	12,361	1,641	1,207	1,612	912	895	1,526	4,776
Sewerage and sanitation	12,359	4,762	1,201	1,163	502	1,101	1,316	2,272
Highways.....	9,337	4,244	1,080	972	406	692	895	1,241
Health and hospitals	7,056	1,707	557	456	213	364	1,060	2,676
Public welfare	6,254	182	67	201	91	62	895	4,763
Housing and community development.....	5,566	862	636	537	265	519	701	1,999
Interest on general debt	8,097	2,466	877	626	511	977	916	1,466
Water supply and other utilities expenditure ³	32,142	12,692	2,745	3,458	1,215	2,240	6,636	5,934
Gross debt outstanding	184,796	51,437	17,896	14,907	9,949	18,113	29,397	29,397
Long-term.....	159,142	50,202	17,141	14,367	9,658	17,760	19,622	30,362
Short-term	5,654	1,233	756	520	291	334	775	1,745
PERCENT DISTRIBUTION								
General revenue ²	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Taxes ²	41.7	37.8	42.6	40.9	36.9	36.9	40.1	47.2
Property	20.5	21.6	25.7	24.7	17.0	18.7	19.4	18.5
Sales and gross receipts	12.0	10.7	11.9	11.8	12.0	15.1	10.2	13.1
Intergovernmental	30.4	28.6	26.4	29.6	31.5	25.2	35.0	35.1
Current charges	14.8	18.3	16.9	15.9	17.7	16.6	12.8	10.3
General expenditure ²	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Police and fire protection.....	18.2	21.2	21.8	20.2	17.5	19.9	16.2	13.7
Education	10.8	5.1	10.6	14.3	16.6	7.4	11.6	14.9
Sewerage and sanitation	10.8	14.7	10.8	10.5	9.3	11.9	10.1	7.1
Highways.....	8.1	13.1	9.6	6.8	7.5	7.5	5.3	3.9
Health and hospitals	8.1	5.3	4.8	4.0	3.9	4.2	8.2	8.3
Public welfare	5.4	.6	.6	1.8	1.7	.7	8.7	14.9
Housing and community development.....	4.8	2.7	5.6	4.8	5.3	5.6	5.4	8.2
Interest on general debt	7.0	7.7	7.7	7.4	0.4	10.6	7.1	4.7
PER CAPITA ⁴ (dollars)								
General revenue ²	814	461	665	766	692	956	1,326	1,779
Taxes ²	339	182	283	314	329	361	537	836
Property	167	104	171	190	152	159	259	328
Sales and gross receipts	95	52	79	91	115	145	137	231
Intergovernmental ²	248	126	175	229	281	241	485	621
From State governments	164	78	116	151	187	130	254	463
From Federal Government	65	33	50	59	76	56	169	115
Revenue sharing	16	12	14	16	18	19	20	25
Current charges	121	56	112	122	156	161	172	182
Water supply and other utilities revenue ³	196	171	140	221	177	175	265	215
General expenditure ²	766	461	649	766	936	879	1,204	1,666
Police and fire protection.....	140	96	142	155	161	175	195	221
Education	62	23	89	110	155	65	142	239
Sewerage and sanitation	82	66	69	50	55	105	122	114
Highways.....	62	60	63	96	69	66	64	62
Health and hospitals	47	24	32	31	36	36	95	134
Public welfare	42	3	4	14	15	6	60	239
Housing and community development.....	37	13	36	36	49	49	65	100
Interest on general debt	54	36	50	56	67	93	65	75
Water supply and other utilities expenditure ³	214	160	157	235	206	213	366	297
Gross debt outstanding	1,666	739	1,022	1,013	1,666	1,722	1,991	1,994
Long-term.....	1,062	713	979	977	1,636	1,690	1,819	1,517
Short-term	36	16	43	36	49	32	72	67

¹ Data are estimates subject to sampling variation, see source and Appendix III.

² Includes items not shown separately.

³ Includes liquor stores.

⁴ Based on estimated resident population as of July 1, 1986.

Source: U.S. Bureau of the Census, *City Government Finances*, series GF86, No. 4, annual.

NO. 476. ESTIMATED STATE AND LOCAL TAXES PAID BY A FAMILY OF FOUR IN SELECTED LARGE CITIES, BY INCOME LEVEL: 1967

Footnote: Data based on average family of four (two wage earners and two school age children) earning their net income and living in a city where taxes apply. Compares State and local sales, income, gift, and real estate taxes. For definition of median, see Guide to Tables Presentation.

CITY	TOTAL TAXES PAID BY AVERAGE FAMILY INCOME LEVEL (\$K.)					PERCENT OF INCOME BY INCOME LEVEL				
	\$25,000	\$35,000	\$50,000	\$75,000	\$100,000	\$25,000	\$35,000	\$50,000	\$75,000	\$100,000
Albuquerque, NM	1,394	2,394	4,395	6,449	8,595	7.5	7.4	8.1	8.6	8.2
Atlanta, GA	1,897	3,395	5,399	7,945	10,395	8.5	8.7	10.5	10.6	10.4
Baltimore, MD	2,146	3,797	5,699	8,525	11,238	10.7	10.9	11.3	11.4	11.2
Bridgeport, CT	2,742	4,374	6,514	9,595	12,019	13.7	12.5	13.8	12.8	12.2
Burlington, VT	1,579	2,799	4,225	7,995	9,995	7.9	7.7	8.4	8.4	8.9
Charleston, WV	1,599	2,895	4,395	7,945	9,595	7.8	7.7	8.9	8.4	8.6
Charlotte, NC	1,893	2,897	4,992	6,999	9,199	8.3	8.2	9.1	9.2	9.2
Chicago, IL	1,797	2,821	4,199	6,999	7,749	8.5	8.1	8.3	8.0	7.7
Cleveland, OH	1,892	3,299	4,949	7,992	10,597	8.2	8.3	9.9	10.2	10.6
Columbus, SC	1,999	2,919	4,799	7,292	9,699	7.8	8.3	9.5	9.7	9.6
Des Moines, IA	2,927	3,599	5,999	8,499	11,041	10.1	10.2	11.1	11.2	11.2
Detroit, MI	2,499	4,492	6,139	9,297	12,292	12.0	11.7	12.3	12.4	12.3
Florida, FL	1,995	3,399	5,249	8,912	10,799	8.5	8.7	10.3	10.7	10.7
Indianapolis, IN	1,849	2,672	3,939	5,891	7,441	8.2	7.8	7.9	7.9	7.4
Jackson, MS	1,999	2,895	4,329	6,549	8,529	7.5	7.7	8.6	8.7	8.5
Louisville, KY	1,899	3,194	4,919	6,793	8,932	8.9	8.9	9.2	9.0	8.7
Memphis, TN	1,891	2,399	3,222	4,599	5,799	8.9	8.8	9.4	9.0	8.6
Minneapolis, MN	2,542	4,671	7,039	10,639	13,949	12.7	13.3	14.0	14.2	13.9
Newark, NJ	2,799	4,711	6,939	10,474	13,797	13.5	13.5	13.8	14.0	13.7
New York City, NY	1,913	3,632	6,492	10,199	13,999	9.8	11.2	12.9	13.6	13.9
Norfolk, VA	1,819	2,757	4,293	7,651	9,542	8.1	7.9	8.8	8.4	8.5
Omaha, NE	1,842	2,714	4,297	6,949	8,977	8.2	7.9	8.5	8.9	9.0
Philadelphia, PA	2,927	4,173	5,799	8,449	10,924	12.8	11.9	11.8	11.3	10.9
Portland, ME	1,579	3,095	5,149	6,895	12,999	7.9	8.7	10.3	11.5	12.9
Portland, OR	2,291	4,099	6,199	8,599	12,943	11.4	11.5	12.3	12.7	12.9
Providence, RI	2,297	3,895	6,199	9,949	13,224	11.5	11.9	12.3	13.1	13.9
St. Louis, MO	1,557	2,897	3,999	5,919	7,213	7.9	7.4	8.0	7.8	7.2
Salt Lake City, UT	1,899	3,394	5,199	7,799	10,279	8.3	8.4	10.3	10.4	10.3
Spokane Falls, WA	1,912	2,899	3,991	5,599	6,999	8.8	8.3	8.9	7.4	6.9
Washington, DC	2,999	3,797	5,923	8,729	11,995	10.4	10.8	11.2	11.9	11.9
Median ¹	1,999	2,799	4,225	6,545	8,994	7.8	7.7	8.4	8.9	8.9

¹ Median of all 51 cities. For complete list of cities, see table 476.

Source: Government of the District of Columbia, Department of Finance and Revenue, *Tax Rates and Tax Burdens in the District of Columbia: a Nationwide Comparison*.

NO. 476. RESIDENTIAL PROPERTY TAX RATES IN SELECTED LARGE CITIES: 1967

CITY	EFFECTIVE TAX RATE PER \$100		Assessment level (percent)	Nominal rate per \$100	CITY	EFFECTIVE TAX RATE PER \$100		Assessment level (percent)	Nominal rate per \$100
	Rate	Rate				Rate	Rate		
Newark, NJ	1	4.20	31.7	13.29	Louisville	26	1.39	100.0	1.39
Omaha	2	4.09	49.9	8.20	Jackson	27	1.39	10.0	12.99
Albuquerque	3	3.49	90.7	3.80	Billings	28	1.39	3.9	33.36
Des Moines	4	2.99	77.4	3.82	New Orleans	29	1.25	10.0	12.62
Bridgeport	5	2.85	49.6	6.33	Seattle	30	1.22	95.0	1.29
Portland, OR	6	2.75	100.0	2.75	Boston	31	1.20	100.0	1.20
Baltimore	7	2.69	43.2	6.21	Charlotte	32	1.19	97.4	1.22
Providence	8	2.59	35.6	7.25	New York City	33	1.19	12.7	9.33
Philadelphia	9	2.54	34.0	7.49	Wichita	34	1.13	9.0	14.11
Spokane Falls	10	2.39	35.3	6.59	Columbia	35	1.13	4.0	29.18
Omaha	11	2.19	85.6	2.55	Washington, DC	36	1.11	91.1	1.22
Minneapolis	12	2.14	18.5	11.59	Anchorage	37	1.10	97.9	1.29
Cleveland	13	2.09	35.0	5.95	Albuquerque	38	1.10	33.3	3.29
Atlanta	14	2.00	40.0	5.00	Norfolk	39	1.10	99.0	1.25
Jacksonville	15	1.99	99.1	2.00	Salt Lake City	40	1.09	90.0	1.90
Memphis	16	1.77	25.0	7.09	Charleston, WV	41	1.07	92.0	1.75
Burlington	17	1.72	91.0	2.12	St. Louis	42	1.06	19.0	5.37
Portland, ME	18	1.71	55.0	3.11	Oklahoma City	43	.96	10.7	9.93
Manchester	19	1.71	20.0	8.56	Las Vegas	44	.91	34.4	2.64
Houston	20	1.71	100.0	1.71	Little Rock	45	.89	19.2	4.95
Boise City	21	1.70	99.6	1.71	Denver	46	.89	18.0	4.97
Chicago	22	1.69	18.0	10.35	Birmingham	47	.70	10.0	6.95
Indianapolis	23	1.59	15.0	10.37	Casper	48	.70	9.1	7.74
Fargo	24	1.59	4.5	34.70	Phoenix	49	.64	5.4	11.93
Wilmington, DE	25	1.49	100.0	1.49	Los Angeles	50	.64	91.2	1.05
					Honolulu	51	.59	99.0	.99

Source: Government of the District of Columbia, Department of Finance and Revenue, *Tax Rates and Tax Burdens in the District of Columbia: a Nationwide Comparison*.

No. 477. NUMBER OF LOCALLY ASSESSED TAXABLE REAL PROPERTY PARCELS, AND GROSS ASSESSED VALUE, BY USE: 1986

(Data are estimates subject to sampling variability; see source for details)

REGION, DIVISION AND STATE	NUMBER OF PARCELS ¹ (1,000)						GROSS ASSESSED VALUE (bil. dol.)					
	Total ²	Residential		Acreage	Vacant platted lots	Com- mercial and indus- trial	Total ²	Residential		Acre- age	Va- cant plat- ted lots	Com- mercial and indus- trial
		Total	Single- family only					Total	Single- family only			
U.S.	107,898.8	64,753.7	61,112.8	16,894.3	16,494.1	4,478.4	4,194.5	2,511.8	2,188.9	398.3	■	997.5
Regions:												
Northeast	16,616.4	12,626.3	11,276.1	305.8	2,067.6	894.4	752.7	520.3	429.7	14.0	21.3	198.0
Midwest	26,400.8	16,047.2	15,278.4	6,708.8	4,118.2	1,227.8	548.8	307.6	278.4	105.2	11.5	123.2
South	42,539.5	23,305.2	22,810.8	6,170.2	8,043.3	1,545.1	1,478.1	847.5	781.5	118.1	88.0	347.3
West	20,332.2	12,775.0	11,950.5	2,221.5	4,281.1	812.0	1,325.1	630.3	713.1	74.8	68.3	328.4
N. Eng.	4,894.5	3,678.3	3,181.8	389.8	881.3	221.9	368.8	■	215.6	5.9	10.5	68.4
ME	548.4	423.4	401.9	86.0	108.0	25.4	25.0	16.9	15.2	1.2	.7	8.2
NH	488.5	347.1	325.4	62.5	79.8	18.1	27.7	18.1	16.2	.9	.5	8.0
VT	262.0	198.0	185.8	47.8	20.1	15.5	.2	.1	.1	-	-	-
MA	2,038.4	1,568.8	1,235.9	73.4	276.1	98.5	229.4	172.3	136.2	2.0	7.0	48.0
RI	362.7	252.7	212.1	8.2	80.3	15.9	17.5	13.2	11.0	.2	.7	3.2
CT	1,054.5	888.2	822.4	33.0	192.0	47.4	■	48.0	44.9	.7	1.5	15.0
Mid. Atl.	11,733.9	8,885.1	8,084.5	888.2	1,488.3	572.8	387.7	281.7	216.1	6.8	13.5	115.8
NY	4,821.5	3,855.0	2,985.5	205.8	588.4	332.4	154.8	87.0	81.4	5.1	2.8	59.4
NJ	2,230.2	1,785.3	■	47.4	388.6	127.8	185.9	132.5	125.5	1.7	8.8	44.8
PA	4,682.1	3,509.8	3,269.8	348.0	530.3	212.4	47.0	32.1	29.2	2.2	.8	11.4
E. No. Cent.	16,298.7	11,248.8	10,885.7	2,838.1	3,082.2	838.8	381.8	234.8	212.1	48.8	9.4	88.3
OH	4,910.3	3,019.4	2,627.1	538.0	1,052.5	212.1	73.7	48.8	44.8	5.6	2.4	16.5
IN	2,483.0	1,432.6	1,384.3	478.2	478.5	81.0	18.1	10.7	8.8	3.7	.4	4.3
IL	4,532.7	2,888.0	2,885.8	584.9	654.8	269.1	90.5	61.2	44.5	7.8	3.2	28.8
MI	3,788.4	2,572.2	2,482.5	501.4	515.2	188.8	82.8	57.8	83.8	10.1	2.0	23.0
WI	2,803.3	1,324.5	1,288.1	826.5	350.3	84.8	105.5	85.5	60.1	18.9	2.4	17.5
W. No. Cent.	10,102.1	4,808.4	4,830.7	2,788.7	1,028.9	401.8	187.2	72.8	68.3	38.3	2.1	24.8
MN	2,484.4	1,338.3	1,281.8	744.9	288.8	84.7	27.8	15.9	13.8	4.0	.5	7.2
IA	1,983.8	752.5	738.1	1,088.8	112.1	82.8	67.7	23.7	22.0	32.8	.8	10.8
MO	2,251.1	■	1,278.5	578.5	■	94.5	23.0	11.5	10.1	2.5	.4	5.6
ND	588.1	147.4	142.1	284.8	81.8	24.8	.8	.3	.2	.5	-	.1
SD	538.3	187.3	188.3	285.4	83.0	20.0	8.4	2.3	2.1	3.3	.1	.8
NE	858.0	408.8	388.7	328.0	81.8	38.5	38.0	18.5	15.0	13.6	.4	5.4
KS	1,419.3	548.8	622.2	480.8	184.0	58.1	5.8	2.8	2.3	1.8	.1	1.1
So. Atl.	19,803.8	12,028.3	11,888.8	2,888.8	4,888.0	728.8	791.1	514.5	484.1	57.2	48.2	178.8
DE	273.3	202.0	201.5	9.3	81.4	10.8	13.0	8.3	7.7	.5	.4	3.8
MD	1,884.3	1,278.7	1,255.1	51.4	288.4	72.8	54.8	38.8	38.8	1.8	2.1	11.1
DC	158.7	130.8	114.3	-	11.0	8.9	28.9	13.8	10.8	-	1.0	14.2
VA	2,611.8	1,883.3	1,584.4	388.5	533.9	73.2	188.5	110.7	100.8	15.5	7.2	32.5
WV	1,271.8	828.8	817.0	142.8	270.0	25.0	8.7	5.4	5.0	.8	.3	1.8
NC	3,088.0	1,737.7	1,888.8	852.8	573.4	134.8	121.4	78.8	68.8	18.8	4.0	24.3
SC	1,705.2	988.8	938.5	238.5	381.9	78.8	3.2	1.8	1.5	.2	.2	.8
GA	2,358.7	1,527.5	1,488.8	233.5	488.8	103.2	88.8	31.5	28.1	6.2	1.8	11.2
FL	6,521.0	3,932.0	3,748.8	443.8	1,888.1	221.7	344.0	227.8	208.5	16.0	29.2	70.2
E. So. Cent.	8,773.4	3,883.4	3,883.8	1,278.8	1,134.5	381.2	92.2	82.8	48.8	15.0	2.2	21.8
KY	1,488.5	1,010.0	984.0	272.4	127.8	82.2	54.2	32.8	30.1	9.8	.8	10.8
TN	2,136.3	1,233.1	1,218.5	277.0	518.1	105.8	24.3	12.3	11.8	3.0	.8	8.1
AL	1,853.3	1,043.5	1,020.4	477.1	288.4	88.0	8.8	5.1	4.8	1.5	.3	1.8
MS	1,284.3	688.8	653.0	348.5	228.4	47.3	4.8	2.8	2.5	.8	.2	.8
W. So. Cent.	18,182.5	7,335.4	7,118.3	2,734.8	2,408.8	838.8	884.8	388.2	248.8	43.8	38.8	188.5
AR	1,797.9	684.3	688.1	582.2	451.2	88.5	8.8	5.0	4.7	1.8	.3	1.7
LA	1,888.4	1,188.7	1,135.7	282.5	354.9	72.0	8.8	5.4	4.9	.8	.4	2.2
OK	1,828.8	912.8	888.8	380.4	452.8	88.1	7.3	4.4	4.1	1.1	.2	1.8
TX	10,838.2	4,538.8	4,418.7	1,488.5	2,148.8	337.5	588.7	288.4	234.9	40.2	38.7	180.0
Mid.	7,117.4	3,718.2	3,888.8	878.8	2,188.8	228.7	102.4	80.0	65.0	9.4	7.3	24.5
MT	465.3	224.5	218.4	150.0	71.1	18.8	.8	.4	.4	.2	-	1
ID	518.8	267.0	261.7	145.8	84.7	18.8	24.3	13.8	13.8	5.2	1.1	4.2
WY	212.5	120.2	113.8	28.4	58.8	12.3	1.2	.8	.8	.2	1	.3
CO	1,728.9	1,031.0	987.0	185.2	385.2	88.1	15.8	8.4	7.5	.8	1.0	4.8
NM	1,084.8	424.1	416.8	131.4	518.0	22.5	8.7	5.8	5.5	.7	.8	1.4
AZ	1,888.2	977.9	832.3	88.0	880.3	54.8	12.8	8.3	5.3	.7	1.5	4.1
UT	888.8	432.8	422.5	111.0	118.2	28.8	27.5	18.4	17.2	1.2	1.4	5.4
NV	424.3	240.8	229.4	48.2	119.4	18.2	11.5	8.2	5.2	.3	1.4	3.5
Pac.	13,214.8	8,058.8	8,388.8	1,348.5	2,887.8	583.4	1,222.7	778.3	588.1	66.2	51.8	384.8
WA	2,285.2	1,388.8	1,288.8	428.7	381.0	84.4	142.9	91.3	80.8	12.1	7.7	30.8
OR	1,389.3	748.5	716.1	385.4	207.7	87.4	72.8	41.8	37.0	8.8	3.1	17.8
CA	8,888.9	6,588.0	5,888.5	471.5	1,388.1	412.5	928.8	588.5	487.3	38.4	44.4	238.5
AK	253.0	120.2	111.0	15.4	108.8	9.0	28.1	15.7	13.3	.7	4.0	7.4
HI	391.4	248.4	243.4	85.5	57.3	10.1	50.5	32.0	29.9	4.2	1.8	10.1

- Represents zero. ¹ Parcels are defined by the local assessor. ² Includes amounts not shown separately.

Source: U.S. Bureau of the Census, 1987 Census of Governments, vol. 2, GC87(2), Taxable Property Values.

NO. 480. GOVERNMENTAL EMPLOYMENT AND PAYROLLS, BY LEVEL OF GOVERNMENT AND BY FUNCTION: 1986

[For October. Covers both full-time and part-time employees. Local government data are estimates subject to sampling variation; see notes, and Appendix B]

FUNCTION	EMPLOYEES (1,000)					OCTOBER PAYROLLS (\$M. DOL.)				
	Total	Federal (civilian) ¹	State and local			Total	Federal (civilian) ¹	State and local		
			Total	State	Local			Total	State	Local
Total	16,868	5,818	13,913	4,958	8,955	39,579	7,851	33,196	6,819	16,386
National defense ²	1,078	1,078	(0)	(0)	(0)	2,801	2,801	(0)	(0)	(0)
Postal Service.....	786	786	(0)	(0)	(0)	1,847	1,847	(0)	(0)	(0)
Space research and technology.....	22	22	(0)	(0)	(0)	69	69	(0)	(0)	(0)
Education.....	7,353	14	7,239	1,800	5,439	11,717	37	11,680	2,363	9,087
Teachers.....	4,079	(0)	4,079	536	3,543	8,240	(0)	8,240	1,178	7,062
Highways.....	569	4	565	253	297	889	14	886	486	471
Health and hospitals.....	1,646	260	1,386	682	707	2,856	682	2,236	1,166	1,077
Public welfare.....	443	14	430	190	239	713	36	677	333	343
Police protection.....	771	67	704	79	625	1,600	141	1,410	163	1,227
Fire protection.....	328	(0)	328	(0)	328	609	(0)	609	(0)	609
Sanitation and sewerage.....	228	(0)	228	1	225	364	(0)	364	1	363
Parks and recreation.....	268	(0)	268	36	233	306	(0)	306	48	258
Natural resources.....	430	256	186	167	36	606	322	286	269	52
Financial administration.....	449	121	328	134	194	786	239	526	247	280
General control.....	573	62	610	140	470	1,071	163	908	316	592
All other.....	1,896	346	1,549	686	1,082	4,013	822	3,091	1,165	1,906

X Not applicable. ¹ Includes employees outside United States. ² Includes international relations.

Source: U.S. Bureau of the Census, *Public Employment in 1986*, series GE 86, No. 1.

NO. 481. STATE AND LOCAL GOVERNMENT—FULL-TIME EMPLOYMENT AND SALARY, BY SEX AND RACE/ETHNIC GROUP: 1973 TO 1986

[As of June 30. Excludes school systems and educational institutions. Based on reports from State governments (44 in 1973, 46 in 1976 and 1978, 47 in 1977, 48 in 1979, 49 in 1980, 42 in 1981, 47 in 1983, 50 in 1984 through 1986) and a sample of county, municipal, township, and special district jurisdictions employing 15 or more nonselected, nonappointed full-time employees. For definition of median, see Guide to Tabular Presentation]

YEAR AND OCCUPATION	EMPLOYMENT (1,000)							MEDIAN ANNUAL SALARY (\$1,000)						
	Total	Male	Female	White ¹	Minority			Total	Male	Female	White ¹	Minority		
					Total ²	Black ³	Hispanic ³					Total ²	Black ³	Hispanic ³
1973	3,808	2,486	1,322	3,115	693	529	125	6.6	7.0	6.6	7.5	7.4	7.4	7.4
1975	3,898	2,436	1,464	3,102	797	608	147	11.3	6.2	10.2	8.8	8.6	8.6	8.9
1976	4,369	2,724	1,645	3,480	989	694	166	11.8	6.6	10.7	9.2	8.1	8.1	8.4
1977	4,415	2,737	1,678	3,480	935	705	175	12.4	6.1	11.3	9.7	8.5	8.5	8.9
1978	4,447	2,711	1,736	3,481	966	729	181	13.3	6.7	12.0	10.4	10.1	10.1	10.7
1979	4,578	2,781	1,816	3,558	1,008	751	192	14.1	10.4	12.8	10.9	10.6	10.6	11.4
1980	3,987	2,350	1,637	3,146	842	619	166	15.2	11.4	13.8	11.8	11.5	11.5	12.3
1981	4,685	2,740	1,925	3,501	1,074	780	205	17.7	13.1	16.1	13.6	13.3	13.3	14.7
1983	4,492	2,674	1,816	3,423	1,069	786	219	20.1	15.5	16.5	15.9	15.6	15.6	17.3
1984	4,580	2,700	1,880	3,458	1,121	789	229	21.4	16.2	16.6	17.4	16.5	16.5	18.4
1985	4,742	2,769	1,952	3,563	1,179	826	248	22.3	17.3	20.6	18.4	17.5	17.5	19.2
1986, total	4,779	2,797	1,982	3,548	1,230	886	269	23.4	18.1	21.8	19.6	18.7	18.7	20.2
Officials/ administrators	260	166	74	226	34	26	7	36.5	29.3	34.3	33.0	32.4	32.4	33.0
Professionals	1,005	523	482	812	184	119	36	29.8	24.3	27.1	25.8	25.8	25.8	27.0
Technicians	469	278	191	380	89	61	22	23.9	18.8	21.7	20.7	19.1	19.1	21.5
Protective service	736	681	75	598	190	106	37	24.5	20.7	24.3	24.1	22.6	22.6	26.2
Paraprofessionals	364	197	257	238	136	113	18	17.7	15.8	18.2	18.8	15.9	15.9	17.1
Office/clerical	866	495	769	626	242	166	56	17.8	16.0	15.9	16.7	16.6	16.6	16.9
Skilled craft	401	385	16	312	89	57	25	21.8	16.2	21.7	21.3	20.6	20.6	22.4
Service/ maintenance	666	552	134	400	266	219	57	17.9	14.1	17.3	16.7	16.5	16.5	17.9

¹ Non-Hispanic. ² Includes other minority groups, not shown separately. ³ Hispanic may be of any race.

Source: U.S. Equal Employment Opportunity Commission, *State and Local Government Information Report*, annual.

NO. 482. STATE AND LOCAL GOVERNMENT—EMPLOYEE BENEFITS: 1987

[For January through July. Covers full-time employees in state and local governments. Excludes executive employees, traveling operating employees, elected officials, and Alaska and Hawaii. Covers only benefits for which the employer pays part or all of the premium or expenses involved, except unpaid maternity and paternity leave. Based on sample survey of establishments. For data on employee benefits in medium to large firms, see table 672.]

TYPE OF EMPLOYEE BENEFIT	All employees	Regular employees ¹	Teachers ²	Police and firefighters	TYPE OF EMPLOYEE BENEFIT	All employees	Regular employees ¹	Teachers ²	Police and firefighters
Percent of employees participating in—					Retirement and savings plans—Con.				
Paid vacations	72	93	13	100	Money purchase pension	8	8	7	11
Holidays	81	95	45	89	Additional benefits:				
Jury duty leave	88	98	87	82	Parking	73	88	86	73
Funeral leave	86	96	52	75	Educational assistance:				
Rest time ³	58	74	16	48	Job related	33	39	36	65
Military leave	80	85	65	88	Not job related	15	18	14	7
Sick leave	87	97	85	87	Travel accident insurance	18	15	19	13
Personal leave	28	32	58	36	In-house infirmary	19	19	18	13
Lunch time ³	17	10	32	38	Severance pay	6	6	7	5
Insurance plans:					Relocation allowance	15	20	5	6
Health	94	94	95	96	Recreation facilities	11	11	12	11
Hospital/surgical ⁴	93	93	93	95	Subsidized meals	12	10	19	1
Mental health care	92	93	93	94	Nonproduction bonuses, cash	7	6	3	16
Private duty nursing	91	91	91	92	Financial counseling	10	1	8	9
Dental	90	95	61	59	Subsidized commuting	5	6	2	7
Extended care facility	73	72	71	78	Prepaid legal services	6	6	5	11
Home health care	71	72	67	75	Child care	2	2	1	1
Vision	35	36	33	40	Unpaid maternity leave	57	55	65	51
Health maintenance organization ⁵	23	24	18	25	Average months	11.7	11.0	12.7	14.8
Life	85	85	82	91	Unpaid paternity leave	30	29	32	30
Noncontributory	89	70	68	73	Average months	14.9	14.5	14.7	19.9
Accident/sickness	14	16	5	14	Mean number of—				
Noncontributory	12	15	4	11	Paid holidays	10.9	11.1	9.5	11.2
Long-term disability	31	28	41	18	Paid vacation days after—				
Noncontributory	28	25	38	15	1 year	12.0	11.8	14.3	12.6
Retirement and savings plans:					3 years	12.9	12.8	14.8	13.5
Defined benefit pension	93	92	95	93	5 years	15.0	14.8	15.7	15.6
Noncontributory	20	22	17	17	10 years	17.7	17.7	18.9	18.8
Defined contribution	9	9	6	13	15 years	19.8	19.7	17.8	21.1
Savings and thrift	1	1	1	1	20 years	21.4	21.4	18.7	22.7
					25 years	22.0	22.0	18.8	23.4

¹ Includes all white-collar employees (professional, administrative, technical, clerical) and blue-collar employees (production, service) except those classified as teachers or police and firefighters. ² Includes all personnel in primary and secondary schools, junior colleges, colleges, and universities whose primary duty is teaching or closely related activities. ³ Data for teachers relate only to primary and secondary school teachers. ⁴ Includes physician visits in hospitals, diagnostic X-ray and lab, and auxiliary hospital services. ⁵ For definition, see table 149.

Source: U.S. Bureau of Labor Statistics, *Employee Benefits in State and Local Governments, 1987*.

NO. 483. STATE AND LOCAL GOVERNMENT BARGAINING AGREEMENTS: 1985 TO 1987

[Agreements covering 1,000 or more workers. Averages presented are means; for definition of mean, see Guide to Tabular Presentation.]

ITEM	TOTAL			UNITS WITH—					
	1986	1986	1987	1,000 to 4,999 workers			5,000 or more workers		
				1986	1986	1987	1986	1986	1987
Workers covered, total ¹ (1,000):									
All settlements	1,475	873	1,291	595	450	538	880	423	754
State government	546	313	462	143	88	115	403	224	347
Local government	929	560	830	452	361	422	476	199	407
Average wage adjustment ² (percent):									
First year of contract:									
All settlements	4.6	5.7	4.9	5.0	5.2	4.7	4.3	6.2	5.0
State government	4.8	6.3	4.1	4.7	5.0	4.2	4.8	6.8	4.1
Local government	4.4	5.3	5.3	5.1	5.1	4.9	3.8	5.6	5.6
Over the life of contract ³ :									
All settlements	5.4	5.7	5.1	5.4	5.4	4.6	5.3	6.0	5.3
State government	4.9	5.0	4.2	4.7	5.0	4.3	4.9	6.0	4.2
Local government	5.7	5.8	5.8	5.7	5.4	4.8	5.6	6.0	6.2
Total effective wage adjustments ⁴ (percent)	5.7	5.5	4.8	(NA)	(NA)	4.6	(NA)	(NA)	5.2
Source:									
Current settlements	4.1	2.4	2.7	(NA)	(NA)	2.6	(NA)	(NA)	2.7
Prior settlements	1.8	3.0	2.2	(NA)	(NA)	1.8	(NA)	(NA)	2.5
Cost-of-living adjustments	(Z)	(Z)	(Z)	(NA)	(NA)	(Z)	(NA)	(NA)	(Z)
State government	4.5	5.8	4.3	(NA)	(NA)	3.8	(NA)	(NA)	4.5
Local government	6.5	5.4	5.5	(NA)	(NA)	4.8	(NA)	(NA)	6.0

NA Not available. Z Less than .05 percent. ¹ Number of workers covered by settlements reached in each calendar year. ² Data relate to settlements reached in each calendar year and exclude possible cost-of-living adjustments. ³ Average annual rate of change. ⁴ Data relate to all wage changes implemented in the year stemming from settlements reached in the year, deferred from prior year agreements, and cost-of-living clauses.

Source: U.S. Bureau of Labor Statistics, *Current Wage Developments*, May 1986, March 1987 and 1988; and unpublished.

NO. 484. STATE AND LOCAL GOVERNMENT EMPLOYMENT (FULL-TIME EQUIVALENT) BY SELECTED FUNCTION, 1970 TO 1986, AND BY STATE, 1986

[In thousands, for October. Except 1982, local government data are estimates subject to sampling variation, see source and Appendix III. For composition of regions, see fig. 1, inside front cover.]

YEAR, REGION, DIVISION, AND STATE	EDUCATION				HEALTH AND HOSPITALS		HIGHWAYS		POLICE AND FIRE PROTECTION		PUBLIC WELFARE	
	Total		Higher education		State	Local	State	Local	State ¹	Local	State	Local
	State	Local	State	Local								
1970	803.0	3,454.8	722.2	118.4	402.0	400.0	236.8	271.4	55.8	583.7	97.3	162.6
1975	952.1	4,000.0	848.2	191.2	568.4	562.3	271.5	288.1	65.6	690.1	157.1	182.3
1980	1,082.8	4,278.3	947.7	212.1	648.8	646.4	255.3	277.4	75.5	745.0	171.5	200.4
1981	1,082.5	4,238.6	951.7	210.2	654.3	639.3	244.1	265.4	73.1	763.1	169.4	198.7
1982	1,052.5	4,177.8	944.5	212.2	652.6	651.8	241.4	268.0	75.3	760.4	169.9	208.8
1983	1,072.1	4,164.8	966.7	193.9	637.9	651.9	239.5	265.4	75.9	760.3	172.5	203.1
1984	1,081.0	4,303.7	981.2	197.6	644.1	642.9	243.9	274.5	76.7	774.4	174.5	208.7
1986 ²	1,286.4	4,885.3	1,148.4	212.8	682.5	643.9	248.7	284.4	78.8	813.5	188.8	225.1
Regions:												
Northeast	188.7	842.6	151.0	32.0	175.9	112.7	59.3	67.7	18.0	198.2	40.3	66.4
Midwest	364.8	1,117.7	343.8	51.5	130.0	162.8	51.2	78.2	16.6	187.3	46.9	62.0
South	442.9	1,686.0	401.0	61.6	205.4	260.4	100.7	82.5	28.0	262.7	74.4	32.7
West	278.9	878.1	244.8	67.7	91.2	128.0	44.4	44.9	16.8	167.5	26.0	42.0
N. Eng.	82.5	223.1	54.9	.1	48.4	14.5	19.9	14.7	5.9	89.5	19.8	5.5
ME	5.9	24.5	4.6	-	2.7	1.1	2.7	1.9	.8	3.1	1.9	.2
NH	7.2	18.3	6.8	-	2.2	.1	1.8	1.4	.3	3.4	1.2	1.9
VT	3.9	10.9	3.7	-	1.3	-	1.1	1.0	.4	.9	.7	-
MA	23.2	104.4	21.9	.1	22.7	11.7	6.1	6.1	1.8	27.3	6.4	1.3
RI	6.1	14.8	5.0	-	3.5	.1	1.0	.8	.3	4.3	1.7	.1
CT	16.2	60.3	12.9	-	14.0	1.5	4.3	3.5	1.6	11.4	2.6	2.1
NE. Atl.	108.2	708.5	95.1	31.9	129.8	88.2	37.3	63.0	14.1	145.7	22.8	69.9
NY	51.8	350.2	46.4	16.4	91.0	79.8	14.1	32.5	5.5	82.6	7.7	53.0
NJ	24.8	189.6	21.8	7.7	21.3	12.9	8.8	10.1	3.6	32.6	5.3	10.1
PA	29.8	168.7	27.9	8.7	27.3	5.5	14.5	10.3	5.0	30.5	10.5	17.8
E. No. Cent.	347.8	773.7	283.9	37.2	79.4	188.8	28.8	48.7	11.3	148.2	28.4	47.9
OH	65.7	181.3	59.2	3.9	32.1	28.7	8.6	12.9	2.1	33.1	1.7	19.4
IN	40.8	101.7	35.6	-	11.5	19.5	5.6	5.6	1.7	15.4	1.4	5.7
IL	60.2	202.7	47.5	16.7	17.4	22.0	8.7	11.0	3.7	48.3	11.9	7.4
MI	58.0	188.3	55.8	9.6	19.3	25.1	3.9	10.4	3.0	27.2	13.1	3.7
WI	43.3	88.6	41.9	7.5	9.0	10.5	2.0	9.8	.8	16.2	1.5	11.7
W. No. Cent.	117.1	343.9	108.6	14.9	88.8	48.8	22.4	28.5	5.4	47.3	17.5	14.1
MN	21.4	98.7	28.9	-	9.1	12.3	4.9	7.2	.8	9.4	1.5	8.9
IA	27.3	82.9	28.0	4.5	10.2	8.9	3.3	5.7	.8	8.5	3.4	2.2
MO	17.9	91.3	15.8	2.7	15.0	13.1	6.2	6.3	1.9	16.4	5.7	.4
ND	6.5	14.5	6.2	-	2.8	.2	1.1	1.2	.3	1.4	.4	.8
SD	4.3	15.1	3.5	-	1.9	.7	1.2	1.6	.3	1.6	1.0	.2
NE	12.5	34.8	11.8	1.9	4.5	4.4	2.2	3.5	.8	4.1	2.5	1.0
KS	17.2	58.0	16.1	4.1	7.1	6.6	3.5	5.1	.8	7.7	2.8	.6
So. Atl.	282.9	788.7	194.3	38.7	128.9	129.7	52.8	37.6	14.7	136.8	30.8	34.4
DE	5.3	11.2	5.1	-	2.8	.1	1.3	.5	.7	1.3	1.7	-
MD	23.8	84.9	21.8	7.4	13.5	2.8	5.2	6.4	2.2	16.4	6.8	1.1
DC	00	12.9	00	1.4	00	5.6	00	1.0	00	6.2	00	1.9
VA	39.3	119.2	36.5	-	24.3	5.3	10.7	3.6	2.1	17.8	1.4	6.4
WV	11.5	43.4	10.0	-	4.6	4.4	5.7	.9	.9	2.3	2.6	-
NC	34.7	130.8	31.7	11.2	17.1	19.2	10.9	3.3	2.7	15.5	1.0	8.8
SC	25.7	98.1	22.6	-	16.1	11.9	4.6	2.1	1.5	8.5	4.9	.3
GA	29.4	121.0	28.0	.4	23.1	48.0	6.4	7.0	1.9	20.1	6.0	.5
FL	33.1	207.8	30.8	16.3	24.7	34.6	7.8	13.8	3.0	45.1	7.8	6.0
E. So. Cent.	94.4	275.4	82.5	4.1	46.7	88.9	19.3	21.5	4.8	41.8	15.3	4.8
KY	22.7	65.6	18.7	-	7.7	6.5	6.6	3.2	1.7	8.2	3.7	.7
TN	27.5	81.3	25.4	-	13.5	15.3	5.2	6.8	1.2	14.9	5.5	2.9
AL	29.8	71.1	25.3	-	14.8	15.5	4.4	6.7	1.1	11.9	3.9	.9
MS	14.8	58.3	13.2	4.1	8.8	15.8	2.9	4.7	.9	6.8	2.4	.2
W. So. Cent.	148.6	682.9	134.1	20.8	83.4	67.7	28.9	33.5	6.3	66.3	29.1	3.8
AR	14.0	44.8	12.1	-	7.4	5.8	3.7	3.3	.8	6.8	2.7	.3
LA	28.0	86.1	24.1	.1	25.1	10.8	6.3	5.9	1.1	14.9	5.9	.8
OK	26.5	84.5	24.4	-	10.2	6.5	3.5	5.7	1.6	10.4	6.7	.2
TX	77.1	386.8	73.5	20.8	40.8	42.8	15.2	18.6	2.8	84.4	12.6	2.2
Mid.	98.2	282.8	88.7	8.4	26.8	26.3	17.2	15.5	4.3	43.8	11.2	6.3
MT	5.1	18.0	4.7	.2	1.5	1.1	1.6	1.4	.3	2.1	1.1	.9
ID	8.4	20.3	7.9	.8	1.4	3.2	1.5	1.4	.3	2.9	.9	.1
WY	3.2	15.7	3.0	1.7	1.5	2.8	1.7	.9	.3	1.8	.5	-
CO	25.9	65.8	24.9	1.1	8.0	8.9	3.1	4.6	.8	11.3	1.3	3.2
NM	14.7	29.7	14.1	-	5.8	1.7	2.6	1.7	.9	4.9	1.7	.2
AZ	19.4	66.6	18.7	5.7	2.0	4.7	3.0	3.3	1.0	11.4	3.2	1.2
UT	17.0	30.7	16.1	-	4.6	1.3	1.8	1.5	.7	4.1	1.9	.4
NV	6.5	15.1	5.3	-	1.2	2.8	1.4	.7	.3	4.7	.7	.2
Pac.	188.8	616.3	182.1	68.3	88.2	101.7	27.5	29.4	12.5	124.7	13.8	36.7
WA	33.4	71.1	31.0	-	11.7	6.4	5.6	5.4	1.5	13.4	5.3	.7
OR	14.1	55.8	13.5	5.9	6.4	3.5	3.5	3.1	1.0	6.1	3.2	.5
CA	101.9	477.7	87.7	52.5	41.3	88.1	14.4	19.4	5.8	97.3	3.0	34.3
AK	7.3	10.6	3.9	-	.8	.8	2.8	.9	.4	1.6	1.4	.2
HI	34.0	-	6.9	-	4.9	.2	.8	1.0	-	4.3	1.0	1

- Represents zero. X Not applicable. For State government, represents police protection only. ¹1986 data not comparable to previous years due to a change in how full-time equivalent was calculated. See text.

Source: U.S. Bureau of the Census, 1987 Census of Government, Vol. 4, No. 4, Historical Statistics on Governmental Finances and Employment, and Public Employment, series GE, No. 1, annual.

NO. 485. STATE AND LOCAL GOVERNMENT EMPLOYMENT AND AVERAGE EARNINGS, BY STATE: 1960 AND 1966

(For October. For composition of regions, see fig. 1, inside front cover)

REGION, DIVISION, AND STATE	TOTAL FULL-TIME EQUIVALENT EMPLOYMENT (1,000)				FULL-TIME EQUIVALENT EMPLOYMENT PER 10,000 POPULATION ²				AVERAGE OCTOBER EARNINGS ³ (dol.)			
	State		Local ¹		State		Local ²		State		Local ²	
	1960	1966 ¹	1960	1966 ¹	1960	1966 ¹	1960	1966 ¹	1960	1966	1960	1966
U.S.	3,106	3,437	7,841	8,418	137	143	251	246	1,373	2,082	1,323	1,962
Regions:												
Northeast	816	704	1,780	1,823	128	141	358	365	1,357	1,422	1,423	2,137
Midwest	747	812	2,010	2,016	127	137	342	340	1,422	1,347	1,347	2,008
South	1,134	1,236	2,859	2,867	151	149	353	348	1,221	1,114	1,114	1,711
West	808	884	1,511	1,698	141	135	350	344	1,827	1,535	1,535	2,321
N. Eng.	166	212	398	398	193	196	306	306	1,261	2,053	1,984	2,095
ME	18	20	33	36	161	168	297	307	1,266	1,714	1,683	1,960
NH	14	16	27	29	156	172	293	295	1,230	1,759	1,683	1,701
VT	11	11	14	15	215	211	267	270	1,251	1,842	1,683	1,853
MA	78	86	209	192	136	151	354	329	1,214	2,034	1,453	2,082
RI	20	19	25	24	211	196	280	245	1,328	2,041	1,443	2,215
CT	46	55	91	95	149	175	295	297	1,320	2,336	1,454	2,099
Mid. Atl.	436	462	1,361	1,433	117	132	376	384	1,413	2,233	1,434	2,173
NY	215	272	731	810	123	153	418	456	1,432	2,355	1,499	2,288
NJ	67	95	283	283	119	126	384	372	1,415	2,276	1,407	2,146
PA	127	124	346	340	107	104	283	286	1,379	1,915	1,333	1,976
E. No. Cent.	481	529	1,400	1,414	118	127	336	339	1,466	2,189	1,406	2,057
OH	115	122	358	365	107	113	331	340	1,321	1,984	1,299	1,911
IN	67	75	161	162	121	136	330	330	1,399	2,055	1,121	1,886
IL	124	130	385	385	108	113	338	333	1,451	2,185	1,465	2,186
MI	125	128	309	315	136	140	334	344	1,620	2,541	1,600	2,329
WI	60	74	166	166	127	154	354	351	1,580	2,128	1,402	2,036
W. No. Cent.	288	282	810	802	146	161	355	342	1,335	1,898	1,210	1,982
IA	55	61	148	148	135	145	354	325	1,577	2,428	1,401	2,316
MO	45	57	103	101	165	198	383	355	1,361	2,049	1,226	1,735
ND	65	66	163	157	123	130	332	310	1,231	1,621	1,112	1,826
SD	13	15	20	22	193	222	309	316	1,322	1,805	1,309	2,017
NE	12	13	22	25	180	177	320	330	1,244	1,684	994	1,441
KS	29	29	64	65	180	184	410	407	1,151	1,509	1,207	1,785
OK	38	43	96	96	160	174	376	360	1,309	1,667	1,092	1,700
So. Atl.	367	608	1,337	1,436	153	148	382	381	1,346	1,834	1,147	1,816
DE	16	17	16	16	282	272	265	252	1,265	1,765	1,197	1,981
MD	22	30	149	143	184	178	353	321	1,308	2,046	1,429	2,233
DC	(0)	(0)	49	51	(0)	(0)	782	817	(0)	(0)	1,775	2,584
VA	94	102	175	195	176	177	327	336	1,240	1,895	1,189	1,787
WY	40	34	60	61	204	180	307	317	1,066	1,574	1,061	1,525
NC	87	83	212	216	147	147	360	341	1,286	1,935	1,091	1,682
SC	61	69	100	109	196	204	319	322	1,234	1,705	976	1,558
GA	83	91	224	239	152	149	410	391	1,193	1,811	985	1,589
FL	105	124	354	407	107	106	264	348	1,242	1,748	1,177	1,872
E. So. Cent.	247	462	486	486	182	182	328	330	1,183	1,798	1,036	1,512
KY	58	83	97	102	156	170	285	275	1,179	1,851	1,108	1,580
TN	63	71	162	157	137	147	353	327	1,172	1,746	1,084	1,554
AL	63	70	134	131	161	174	344	324	1,280	1,884	1,013	1,532
MS	40	42	90	95	159	161	365	364	1,052	1,430	903	1,324
W. So. Cent.	344	536	836	864	145	142	354	369	1,213	1,817	1,166	1,665
AR	36	36	69	71	164	163	301	299	1,097	1,724	927	1,386
LA	81	86	142	151	193	191	339	337	1,173	1,673	1,022	1,511
OK	56	64	102	108	185	185	338	338	1,190	1,733	1,029	1,511
TX	168	183	525	533	119	115	370	379	1,272	1,827	1,168	1,748
Mid. Atl.	181	219	396	467	168	168	351	351	1,416	1,876	1,308	1,984
MT	16	16	28	29	199	192	357	349	1,335	1,654	1,180	1,727
ID	15	16	31	33	156	175	323	332	1,253	1,766	1,106	1,835
WY	9	11	21	25	195	213	450	484	1,470	1,824	1,287	1,967
CO	43	50	106	122	147	155	368	375	1,588	2,368	1,320	2,017
NB	34	34	43	48	256	231	330	332	1,252	1,792	1,136	1,880
AZ	37	43	100	118	137	128	308	308	1,405	2,125	1,451	2,185
UT	26	33	42	47	177	197	287	283	1,415	1,811	1,263	1,800
NV	12	15	28	39	152	154	349	349	1,468	1,990	1,401	2,140
Pac.	416	486	1,113	1,231	131	134	388	388	1,725	2,636	1,616	2,486
WA	71	79	133	143	173	177	322	320	1,526	2,231	1,555	2,134
OR	43	44	82	91	164	163	350	338	1,397	1,976	1,402	2,016
CA	249	279	699	865	105	104	363	358	1,867	2,751	1,842	2,595
AK	17	21	15	20	416	389	387	377	2,085	3,228	2,301	3,324
HI	26	41	12	12	378	369	125	113	1,403	1,844	1,395	2,010

X Not applicable. ¹ Data not comparable with 1960 due to a change in how full-time equivalent was calculated. See text, section 9. ² Estimates subject to sampling variation; see source and Appendix III. ³ 1960 based on enumerated resident population as of April 1, 1960 based on estimated resident population as of July 1. ⁴ For full-time employees.

Source: U.S. Bureau of the Census, Public Employment, series GE, No. 1, annual.

No. 485. CITY GOVERNMENT EMPLOYMENT AND PAYROLLS: 1960 TO 1986

[For October. Includes only those school systems operated as part of the city government. Represents average for period of interval shown; for 1960, change from 1955, 1972, 1977, and 1982 based on complete census of all cities; other years based on sample and subject to sampling variation; For explanation of average annual percent change, see Guide to Tabular Presentation. Minus sign (-) indicates decrease]

YEAR	ALL EMPLOYEES, FULL-TIME AND PART-TIME (1,000)		OCTOBER PAYROLLS (mil. dol.)		AVERAGE ANNUAL PERCENT CHANGE		FULL-TIME EQUIVALENT EMPLOYMENT (1,000)			AVERAGE EARNINGS IN OCTOBER, FULL-TIME EMPLOYEES (dollars)	
	Total	Excl. education	Total	Excl. education	All employees	October payroll	Total	Education	Other	Education	Other
1960	1,982	1,439	583	471	3.3	7.1	1,447	225	1,222	902	387
1965	1,984	1,580	618	649	2.2	7.0	1,638	282	1,356	903	480
1970	2,244	1,615	1,351	1,082	3.6	10.7	1,822	359	1,463	836	661
1971	2,273	1,638	1,462	1,187	1.3	8.9	1,900	368	1,532	876	735
1972	2,378	1,918	1,654	1,302	4.5	11.6	2,029	376	1,653	961	792
1973	2,471	1,992	1,856	1,441	4.0	12.2	2,109	402	1,707	1,045	846
1974	2,491	2,009	1,965	1,580	.8	7.0	2,127	408	1,722	1,060	909
1975	2,508	2,074	2,129	1,725	.8	7.3	2,142	376	1,767	1,130	972
1976	2,443	2,021	2,235	1,804	-2.5	5.0	2,107	390	1,747	1,207	1,035
1977	2,511	2,064	2,415	1,869	2.8	8.0	2,168	368	1,804	1,280	1,087
1978	2,511	2,088	2,537	2,089	(2)	5.1	2,186	361	1,804	1,341	1,148
1979	2,553	2,121	2,729	2,215	1.7	7.6	2,189	364	1,825	1,414	1,231
1980	2,581	2,130	2,942	2,403	.3	7.8	2,198	360	1,806	1,501	1,339
1981	2,489	2,058	3,222	2,640	-3.6	9.5	2,111	346	1,765	1,686	1,500
1982	2,368	2,015	3,426	2,861	-2.0	6.4	2,086	317	1,770	1,791	1,825
1983	2,423	2,051	3,540	3,069	1.1	6.2	2,080	300	1,780	1,982	1,738
1984	2,434	2,070	3,672	3,288	.4	6.4	2,080	300	1,780	2,033	1,831
1985	2,467	2,102	4,191	3,538	1.4	6.2	(NA)	(NA)	(NA)	2,117	1,853
1986	2,494	2,126	4,407	3,734	1.1	5.1	2,181	320	1,860	2,185	2,044

NA Not available. Z Less than .05 percent. ¹ Data not comparable with previous years due to a change in how full-time equivalent was calculated. See text, section 8.

Source: U.S. Bureau of the Census, *Census of Governments, 1972, 1977, and 1982, Vol. 2, No. 2, Compendium of Public Employment, and City Employment*, series GE, No. 2, annual.

No. 487. CITY GOVERNMENT EMPLOYMENT AND PAYROLLS—ALL CITIES AND CITIES WITH 50,000 POPULATION OR MORE, BY FUNCTION: 1960 TO 1986

[For October]

ITEM	EMPLOYEES (1,000)						OCTOBER PAYROLLS (mil. dol.)					
	All cities ¹			Cities with 50,000 population or more ¹			All cities ¹			Cities with 50,000 population or more ²		
	1960	1984	1986	1960	1984	1986	1960	1984	1986	1960	1984	1986
Total	2,581	2,434	2,434	1,943	1,389	1,386	2,943	3,672	4,487	2,183	2,967	5,389
Full-time	2,071	2,007	2,038	1,437	1,378	1,421	2,336	3,731	4,331	2,111	2,788	3,188
Part-time	439	427	446	308	182	175	116	141	176	71	80	105
Full-time equivalent ³	2,185	2,983	2,191	1,488	1,482	1,489	(X)	(X)	(X)	(X)	(X)	(X)
Education ⁴	360	300	280	304	281	283	539	804	899	483	580	587
Percent of total	17	14	15	20	18	18	18	18	18	21	18	16
Instructional staff	285	222	238	224	185	188	436	402	553	378	427	473
Others	94	78	67	80	64	74	102	112	130	87	85	114
Highways	121	121	127	60	61	64	141	199	223	77	112	127
Public welfare	41	44	50	36	40	45	47	71	81	45	67	85
Hospitals	131	123	124	87	34	85	143	189	211	102	140	163
Health	36	34	36	32	31	34	47	59	73	44	54	66
Police protection	385	373	391	224	228	239	580	781	998	389	512	575
Fire protection	180	181	184	130	130	131	300	421	478	218	307	351
Sewerage	80	84	87	32	33	37	74	108	122	44	62	73
Sanitation	104	81	82	69	68	67	118	137	163	61	95	118
Parks and recreation	109	97	112	72	67	78	116	148	170	84	105	121
Housing, urban renewal	44	43	49	36	39	40	57	78	82	61	70	83
Correction	18	24	25	17	23	25	27	50	63	26	49	62
Libraries	34	36	43	25	27	30	33	63	63	26	39	48
Financial administration	66	68	71	39	37	36	86	112	130	51	67	77
General control	112	117	113	63	64	63	147	207	280	85	125	151
Local utilities ⁵	205	218	228	139	146	154	688	431	483	225	325	374
Water supply	93	83	88	60	62	64	116	181	182	70	98	111
Electric power	44	46	60	24	23	29	87	106	119	41	70	81
Transit	68	89	70	55	61	61	115	166	178	110	180	174
All other functions	171	141	141	127	108	109	988	346	367	189	185	206

X Not applicable. ¹ Data are estimates subject to sampling variation; see source and Appendix B. ² 1980 and 1984 based on enumerated resident population as of April 1, 1980; 1986 based on estimated resident population as of July 1. ³ 1980 data not comparable with previous years due to a change in how full-time equivalent was calculated. See text, section 8. ⁴ City-operated schools and colleges only. ⁵ Includes gas supply, not shown below.

Source: U.S. Bureau of the Census, *City Employment*, series GE, No. 2, annual.

No. 452. City Government Employment and Payroll—Selected Large Cities: 1989 to 1999

(For details, see text, tables 2, 3, and 4, and 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 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815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000, 1001, 1002, 1003, 1004, 1005, 1006, 1007, 1008, 1009, 1010, 1011, 1012, 1013, 1014, 1015, 1016, 1017, 1018, 1019, 1020, 1021, 1022, 1023, 1024, 1025, 1026, 1027, 1028, 1029, 1030, 1031, 1032, 1033, 1034, 1035, 1036, 1037, 1038, 1039, 1040, 1041, 1042, 1043, 1044, 1045, 1046, 1047, 1048, 1049, 1050, 1051, 1052, 1053, 1054, 1055, 1056, 1057, 1058, 1059, 1060, 1061, 1062, 1063, 1064, 1065, 1066, 1067, 1068, 1069, 1070, 1071, 1072, 1073, 1074, 1075, 1076, 1077, 1078, 1079, 1080, 1081, 1082, 1083, 1084, 1085, 1086, 1087, 1088, 1089, 1090, 1091, 1092, 1093, 1094, 1095, 1096, 1097, 1098, 1099, 1100, 1101, 1102, 1103, 1104, 1105, 1106, 1107, 1108, 1109, 1110, 1111, 1112, 1113, 1114, 1115, 1116, 1117, 1118, 1119, 1120, 1121, 1122, 1123, 1124, 1125, 1126, 1127, 1128, 1129, 1130, 1131, 1132, 1133, 1134, 1135, 1136, 1137, 1138, 1139, 1140, 1141, 1142, 1143, 1144, 1145, 1146, 1147, 1148, 1149, 1150, 1151, 1152, 1153, 1154, 1155, 1156, 1157, 1158, 1159, 1160, 1161, 1162, 1163, 1164, 1165, 1166, 1167, 1168, 1169, 1170, 1171, 1172, 1173, 1174, 1175, 1176, 1177, 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1344, 1345, 1346, 1347, 1348, 1349, 1350, 1351, 1352, 1353, 1354, 1355, 1356, 1357, 1358, 1359, 1360, 1361, 1362, 1363, 1364, 1365, 1366, 1367, 1368, 1369, 1370, 1371, 1372, 1373, 1374, 1375, 1376, 1377, 1378, 1379, 1380, 1381, 1382, 1383, 1384, 1385, 1386, 1387, 1388, 1389, 1390, 1391, 1392, 1393, 1394, 1395, 1396, 1397, 1398, 1399, 1400, 1401, 1402, 1403, 1404, 1405, 1406, 1407, 1408, 1409, 1410, 1411, 1412, 1413, 1414, 1415, 1416, 1417, 1418, 1419, 1420, 1421, 1422, 1423, 1424, 1425, 1426, 1427, 1428, 1429, 1430, 1431, 1432, 1433, 1434, 1435, 1436, 1437, 1438, 1439, 1440, 1441, 1442, 1443, 1444, 1445, 1446, 1447, 1448, 1449, 1450, 1451, 1452, 1453, 1454, 1455, 1456, 1457, 1458, 1459, 1460, 1461, 1462, 1463, 1464, 1465, 1466, 1467, 1468, 1469, 1470, 1471, 1472, 1473, 1474, 1475, 1476, 1477, 1478, 1479, 1480, 1481, 1482, 1483, 1484, 1485, 1486, 1487, 1488, 1489, 1490, 1491, 1492, 1493, 1494, 1495, 1496, 1497, 1498, 1499, 1500, 1501, 1502, 1503, 1504, 1505, 1506, 1507, 1508, 1509, 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2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 22



Section 10

Federal Government Finances and Employment

This section presents statistics relating to the financial structure and the civilian employment of the Federal Government. The fiscal data cover taxes, other receipts, outlays, and debt. The principal sources of fiscal data are *The Budget of the United States Government* and related documents, published annually by the Office of Management and Budget (OMB), and the Department of the Treasury's *United States Government Annual Report* and its *Appendix*. Detailed data on tax returns and collections are published annually by the Internal Revenue Service. The personnel data relate to staffing and payrolls for the various public functions and agencies, to employee characteristics, and to civil service status; they are published by the Office of Personnel Management and the Bureau of Labor Statistics (see p. 302). The primary source for data on public lands is *Public Land Statistics*, published annually by the Bureau of Land Management, Department of the Interior. Data on federally owned land and real property are collected by the General Services Administration and presented in its annual *Inventory Report on Real Property Owned by the United States Throughout the World*.

Budget concept.—Under the unified budget concept, all Federal monies are included in one comprehensive budget. These monies comprise both Federal funds and trust funds. Federal funds are derived mainly from taxes and borrowing and are not restricted by law to any specific government purpose. Trust funds, such as the Unemployment Trust Fund, collect certain taxes and other receipts for use in carrying out specific purposes or programs in accordance with the terms of the trust agreement or statute. Fund balances include both cash balances with Treasury and investments in U.S. securities. Part of the balance is obligated, part unobligated. In recent years, the budget totals, under provisions of law, have excluded some Federal activities—including the Federal Financing Bank, the Postal Service, the Synthetic Fuels Corporation, and the lending activities of the Rural Electrification Administration. The Balanced Budget and Emergency Deficit Control Act of 1985 (P.L. 99-177) repealed the off-budget status of these entities and placed social security (Federal old-age and survivors insurance and the Federal disability insurance trust funds) off-budget. Though social security is now off-budget and, by law, excluded from coverage of the congressional budget resolutions, it continues to be a Federal program. Data showing unified budget totals of budget receipts and outlays that incorporate social security are presented in the 1989 Budget for the years 1936 to 1993; more detailed tables generally show data since 1976.

Receipts arising from the Government's sovereign powers are reported as governmental receipts; all other receipts, i.e., from business-type or market-oriented activities, are offset against outlays. Outlays are reported on a checks-issued (net) basis (i.e., outlays are recorded at the time the checks to pay bills are issued).

Debt concept.—For most of U.S. history, the total debt consisted of debt borrowed by the Treasury (i.e., public debt). The present debt series, includes both public debt and agency debt. The *gross Federal debt* includes money borrowed by the Treasury and by various Federal agencies; it is the broadest generally used measure of the Federal debt. *Total public debt* is covered by a statutory debt limitation, currently \$2.8 trillion, and includes only borrowing by the Treasury.

Treasury receipts and outlays.—All receipts of the Government, with a few exceptions, are deposited to the credit of the U.S. Treasury regardless of ultimate disposition. Under the Constitution, no money may be withdrawn from the Treasury unless appropriated by the Congress.

The day-to-day cash operations of the Federal Government clearing through the accounts of the U.S. Treasury are reported in the *Daily Treasury Statement*. Extensive detail on the public debt is published in the *Monthly Statement of the Public Debt of the United States*.

Budget receipts such as taxes, customs duties, and miscellaneous receipts, which are collected by Government agencies, and outlays represented by checks issued and cash payments made by disbursing officers as well as government agencies are reported in the *Monthly Treasury Statement*

of Receipts and Outlays of the United States Government and in the Treasury's United States Government Annual Report and its Appendix. These deposits in, and payments from, accounts maintained by Government agencies are on the same basis as the unified budget.

The quarterly Treasury Bulletin contains data on fiscal operations and related Treasury activities, including financial statements of Government corporations and other business-type activities.

Income tax returns and tax collections.—Tax data are compiled by the Internal Revenue Service of the Treasury Department. The Annual Report of the Commissioner and Chief Counsel of the Internal Revenue Service gives a detailed account of tax collections by kind of tax and by regions, districts, and States. The agency's annual Statistics of Income reports present detailed data from individual income tax returns and corporation income tax returns. The quarterly Statistics of Income Bulletin has, in general, replaced the supplemental Statistics of Income publications which presented data on such diverse subjects as tax-exempt organizations, unincorporated businesses, fiduciary income tax and estate tax returns, sales of capital assets by individuals, international income and taxes reported by corporations and individuals, and estate tax wealth.

Employment and payrolls.—The Office of Personnel Management collects employment and payroll data from all departments and agencies of the Federal Government, except the Central Intelligence Agency, the National Security Agency, and the Defense Intelligence Agency. Employment figures represent the number of persons who occupied civilian positions at the end of the report month shown and who are paid for personal services rendered for the Federal Government, regardless of the nature of appointment or method of payment.

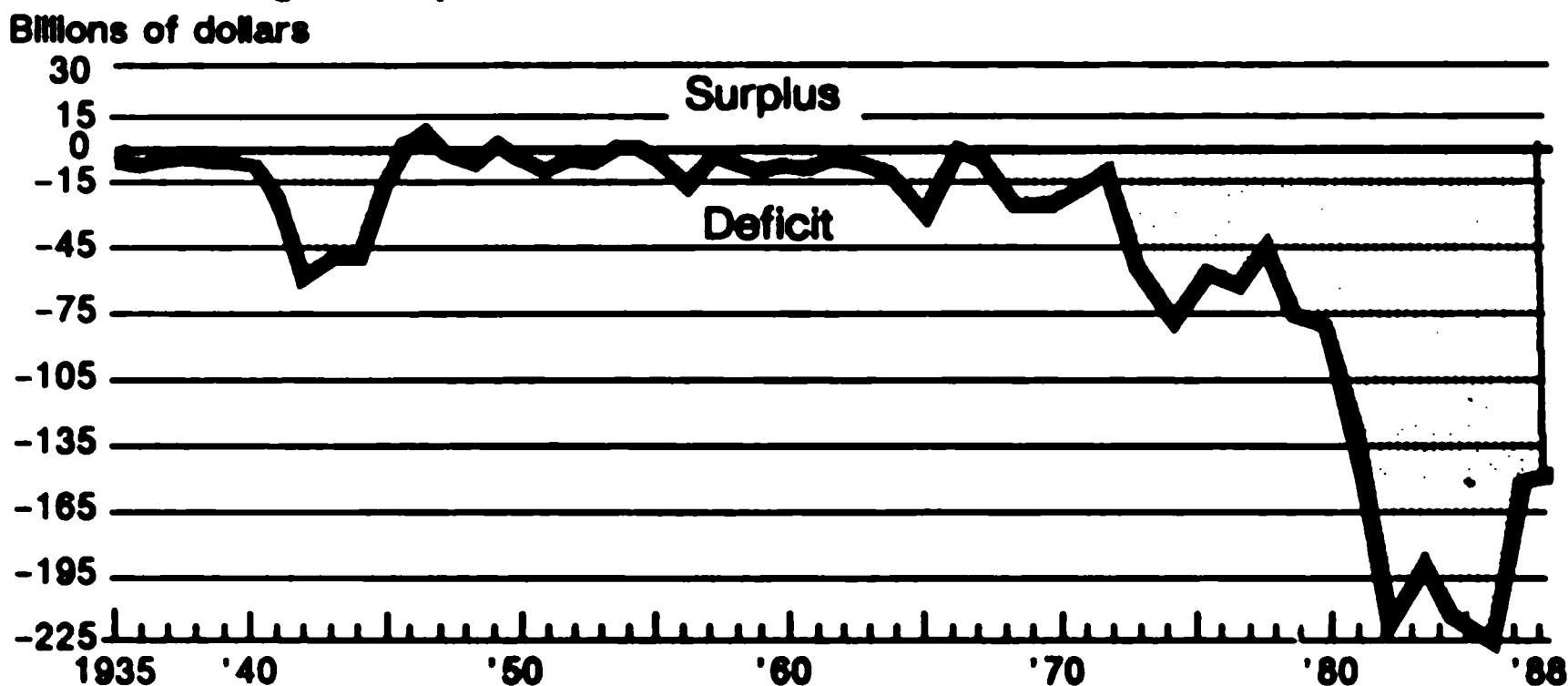
Federal payrolls include all payments for personal services rendered during the report month and payments for accumulated annual leave of employees who separate from the service. Since most Federal employees are paid on a biweekly basis, the calendar month earnings are partially estimated on the basis of the number of work days in each month where payroll periods overlap.

Federal employment and payroll figures are published by the Office of Personnel Management in its Federal Civilian Workforce Statistics—Employment and Trends. It also publishes biennial employment data for minority groups, data on occupations of white- and blue-collar workers, and data on employment by geographic area; reports on salary and wage distribution of Federal employees are published annually. General schedule is primarily white collar, wage system primarily blue collar. Data on Federal employment are also issued by the Bureau of Labor Statistics in its Monthly Labor Review and in Employment and Earnings and by the Bureau of the Census in its annual Public Employment.

Public lands.—The data on applications, entries, selections, patents, and certifications refer to transactions which involve the disposal, under the public land laws (including the homestead laws), of Federal public lands to non-Federal owners. In general, original entries and selections are applications to secure title to public lands which have been accepted as properly filed (i.e., allowed). Some types of applications, however, are not reported until issuance of the final certificate, which passes equitable title to the land to the applicant. Applications are approved when full compliance with the requirements of the laws is shown and become final entries (perfected entries) upon issuance of a final certificate. Patents are Government deeds which pass legal title to the land to the applicant. Certifications are issued in lieu of patents in connection with certain State selections.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to Historical Statistics of the United States, Colonial Times to 1970. See Appendix IV.

Figure 10.2
Federal Budget Surplus or Deficit: 1935 to 1988



Source: Chart prepared by U.S. Bureau of the Census. For data see table 489.

No. 466. FEDERAL BUDGET—SUMMARY: 1945 TO 1965

(in billions of dollars, except percent. For fiscal years ending in year shown; see text, section 2. The Balanced Budget and Emergency Deficit Control Act of 1968 put all the previously off-budget Federal activities into the budget and moved Social Security off-budget. Minus sign (-) indicates deficit or decrease. See also *Historical Statistics, Calendar Years to 1959*, series Y 208-245.)

YEAR	RECEIPTS			OUTLAYS				SURPLUS OR DEFICIT (-)			Out-stand- ing gross debt ¹	AVERAGE ANNUAL PERCENT CHANGES ²				PERCENT OF GNP ⁴			Out- lays, off- bud- get ³ of
	Total ¹	Fed- eral funds	Trust funds	Total ¹	Fed- eral funds	Trust funds	Human re- sources	Nation- al de- fense	Total ¹	Fed- eral funds		Trust funds	OUTLAYS			Out- stand- ing gross debt	Human re- sources	Nation- al de- fense	
													Total	Fed- eral funds	Trust funds				
1945	45.2	41.0	3.6	92.7	54.5	4.9	1.6	83.0	-47.6	200.1	3.2	1.5	2.5	(x)	43.6	.9	39.1	122.5	1
1946	39.4	35.3	3.5	42.8	38.4	1.6	14.2	13.7	-3.1	264.9	-2.7	-14.4	-16.6	(x)	18.0	5.3	5.1	96.3	5.9
1947	66.5	56.2	3.1	66.4	62.3	4.2	14.9	42.7	-3.0	274.4	10.7	10.0	10.2	10.0	17.7	3.9	11.1	71.0	4.0
1948	92.5	75.8	7.8	92.2	74.9	8.1	26.2	48.1	3	230.9	7.2	6.1	3.7	21.9	18.2	5.2	9.5	57.4	10.8
1949	94.4	75.2	6.4	97.7	78.4	6.0	29.8	48.6	-3.3	282.9	2.0	6.0	6.0	10.7	18.9	5.8	8.6	64.5	11.7
1950	99.7	79.7	9.8	106.8	86.5	8.9	31.6	52.3	-7.1	303.3	5.6	9.3	9.0	-8	18.2	5.7	8.4	54.4	13.5
1951	105.6	84.0	10.6	111.3	90.6	11.1	33.5	53.4	4.8	310.6	6.8	4.2	4.7	8.8	18.9	5.7	8.1	52.9	15.0
1952	112.6	87.5	11.2	118.5	95.1	12.2	36.3	54.8	5.9	316.8	5.7	6.6	6.0	12.6	18.6	5.8	8.7	50.3	16.7
1953	116.8	90.9	11.5	119.2	94.9	12.2	38.8	55.6	-1.4	323.2	3.7	3	-1.3	8	17.9	5.4	7.5	48.0	16.5
1954	130.9	101.4	12.9	134.5	105.6	10.8	43.3	58.1	-3.7	329.5	12.0	13.8	12.4	15.8	18.2	5.9	7.9	44.8	19.7
1955	146.8	111.6	16.5	157.5	127.5	13.4	51.3	71.4	8.8	341.3	13.7	17.0	19.7	24.3	19.5	6.5	9.0	43.0	20.4
1956	153.0	114.7	17.6	178.1	143.1	16.9	56.4	81.8	-25.2	369.8	22.8	13.1	12.2	26.2	21.0	7.0	9.6	43.5	22.3
1957	186.9	143.3	20.1	183.6	148.2	15.7	66.4	82.5	3.2	367.1	22.2	3.1	3.6	7.4	18.5	7.1	8.9	39.5	25.2
1958	192.6	143.2	22.3	195.6	158.3	17.8	76.3	81.7	-2.8	382.6	3.2	6.6	5.5	13.6	18.6	7.8	8.9	36.6	27.8
1959	197.1	133.8	26.0	210.2	163.7	22.2	91.9	78.9	-23.0	409.5	-2.9	7.4	4.7	24.5	19.9	6.7	7.5	36.8	32.8
1960	207.3	148.8	28.4	230.7	178.1	25.5	107.2	79.2	-23.4	437.3	10.8	9.8	6.8	15.0	20.0	6.3	8.9	37.9	36.9
1961	230.9	161.4	41.2	245.7	187.0	30.6	118.5	78.7	-14.9	468.4	11.3	6.6	5.0	21.0	19.2	6.3	8.0	36.6	43.8
1962	263.2	181.2	46.1	289.4	201.4	33.6	135.8	79.3	6.1	486.2	14.0	9.8	7.7	21.7	18.0	6.8	8.8	34.3	52.1
1963	279.1	187.5	51.0	332.3	248.2	45.6	173.2	86.5	-53.2	544.1	6.0	23.4	23.2	34.4	21.5	11.4	8.7	36.7	60.4
1964	298.1	201.1	61.5	371.6	277.2	58.2	203.6	89.8	-73.7	631.9	6.8	11.8	11.7	23.3	21.9	12.0	5.3	37.2	69.8
1965	312.2	214.1	64.1	396.0	291.3	64.9	221.9	97.2	-83.5	708.1	16.3	10.1	8.8	13	21.4	11.9	5.0	38.0	19.4
1966	355.8	241.3	70.3	409.2	304.5	58.9	241.9	104.5	-89.2	780.4	12.4	12.1	12.4	5.2	21.1	11.2	4.6	36.9	50.7
1967	369.8	270.9	78.9	468.7	342.4	59.9	243.3	116.3	-40.2	833.8	16.0	9.8	9.8	9.6	20.6	10.9	4.6	34.1	100.9
1968	483.3	316.4	88.0	603.5	374.9	85.7	267.6	116.3	-40.2	833.8	16.0	9.8	9.8	9.6	20.6	10.9	4.6	34.1	100.9
1969	517.1	350.9	94.7	590.9	433.5	64.8	313.4	134.5	-73.8	914.5	11.6	17.4	15.9	29.1	22.1	11.7	5.0	34.2	114.3
1970	599.3	410.4	105.0	678.2	496.2	94.2	362.0	157.5	78.9	1003.9	15.9	14.8	14.5	11.1	22.7	12.1	5.3	30.6	136.3
1971	617.9	439.3	122.1	745.7	543.4	107.9	366.7	165.3	127.9	1147.0	3.1	10.0	9.6	14.8	23.8	12.4	5.9	36.5	151.4
1972	600.6	382.5	147.3	808.3	613.2	124.4	426.0	209.9	207.8	1361.9	-2.8	6.5	12.8	19.3	24.3	12.9	6.3	41.6	147.1
1973	666.5	419.6	156.1	851.6	637.8	125.4	432.0	227.4	-185.3	1576.7	11.0	6.2	4.0	8	23.1	11.7	8.2	42.8	166.3
1974	734.1	458.6	197.5	946.3	725.9	152.7	471.8	252.7	-212.3	1827.5	10.1	11.1	13.8	21.8	24.0	12.0	8.4	48.3	178.8
1975	769.1	473.5	208.9	990.3	756.5	161.4	481.6	273.4	221.2	2130.0	4.8	4.8	4.2	5.0	23.6	11.8	8.5	50.9	193.5
1976	854.1	537.8	216.0	1004.6	780.9	163.6	502.2	282.0	-150.4	2365.3	11.1	1.4	8	1.1	22.6	11.4	8.4	53.4	193.8
1977, est.	908.2	580.8	231.5	1055.9	805.0	170.8	534.0	285.4	-146.7	2581.8	5.4	5.1	5.8	4.4	22.4	11.3	8.1	54.9	203.1

x Not applicable. ¹ Includes off-budget receipts, outlays, and interfund transactions. ² End of fiscal year. See text, section 10 for discussion of debt concept. ³ For explanation of average annual percent change, see Guide to Tables Presentation. ⁴ Gross national product as of fiscal year; for calendar year GNP, see table 688. ⁵ Change from 1944; from previous year shown for all other years. ⁶ Represents transition quarter, July-Sept.

Sources: U.S. Office of Management and Budget, *Historical Tables, Budget of the United States Government, annual*.

No. 490. FEDERAL RECEIPTS, BY SOURCE, AND OUTLAYS, BY FUNCTION: 1970 TO 1988

(In billions of dollars. For fiscal years ending in year shown; see text, section 9. Receipts reflect collections; outlays stated in terms of checks issued or cash payments. Covers both Federal funds and trust funds (see text, section 10). Excludes government-sponsored but privately-owned corporations, Federal Reserve System, District of Columbia government, and money held in suspense as deposit funds. See *Historical Statistics, Colonial Times to 1970*, series Y 335-338, Y 343-351, and Y 472-487 for related data.)

SOURCE OR FUNCTION	1970	1971	1980	1982	1983	1984	1985	1986	1987	1988, est.	PERCENT DISTRIBUTION	
											1980	1988
Surplus or deficit (-)	-2.8	-53.2	-73.8	-127.9	-207.9	-196.3	-212.3	-221.2	-180.4	-146.7	(X)	(X)
BY SOURCE												
Total receipts ¹	192.8	278.1	617.1	617.9	696.8	696.5	734.1	799.1	854.1	908.2	100.00	100.00
Individual income taxes	90.4	122.4	244.1	297.7	298.9	294.4	334.5	348.0	382.5	444.4	47.20	43.27
Corporation income taxes	32.8	40.6	64.8	48.2	37.0	33.1	61.3	63.1	63.9	105.6	12.40	11.61
Social insurance taxes and contributions	44.4	84.5	157.8	201.5	209.0	239.4	265.2	283.9	303.3	331.5	30.62	36.46
Employment taxes and contributions	39.1	75.2	139.7	180.7	185.8	209.7	234.8	255.1	273.0	303.1	29.83	33.33
Unemployment insurance	3.5	6.8	15.3	16.8	18.8	25.1	25.8	24.1	25.8	23.7	2.97	2.61
Contributions for other insurance and retirement	1.8	2.6	3.7	4.2	4.4	4.6	4.8	4.7	4.7	4.7	.72	.52
Excise taxes	15.7	16.6	24.3	38.3	35.3	37.4	36.0	32.8	32.5	35.3	4.70	3.89
Estate and gift taxes	3.8	4.8	6.4	8.0	6.1	6.0	6.4	7.0	7.5	7.8	1.24	.83
Customs duties	2.4	3.7	7.2	8.9	6.7	11.4	12.1	13.3	15.1	18.4	1.39	1.80
Miscellaneous receipts	3.4	8.7	12.7	16.2	15.8	17.0	18.5	19.9	19.3	19.4	2.47	2.13
Federal Reserve earnings deposits	3.3	5.8	11.8	15.2	14.5	16.7	17.1	18.4	18.8	18.1	2.30	1.77
BY FUNCTION												
Total outlays ¹	196.8	322.3	990.9	748.7	898.3	851.8	946.3	990.3	1,004.6	1,058.9	100.00	100.00
National defense ¹	81.7	86.5	134.6	195.9	298.8	227.4	288.7	273.4	274.0	277.3	22.80	27.08
Dept. of Defense, military	60.1	64.9	130.9	180.7	204.4	220.8	245.1	235.5	274.0	277.3	22.15	26.28
Atomic energy defense activities	1.4	1.5	2.9	4.3	5.2	5.1	7.1	7.4	7.9	7.8	.40	.72
Defense related activities	.2	.2	.2	.9	.3	.4	.5	.5	.6	.5	.04	.06
International affairs ¹	4.3	7.1	12.7	12.3	11.8	15.9	16.2	14.2	11.6	9.9	2.15	1.11
International development and humanitarian assistance	2.3	3.1	3.6	3.6	4.0	4.5	5.4	5.0	4.3	4.7	.51	.45
Conduct of foreign affairs	.4	.7	1.4	1.8	1.8	1.8	2.1	2.3	2.2	2.7	.23	.25
Foreign information and exchange	.2	.3	.5	.8	.3	.7	.8	.9	1.0	1.1	.09	.11
International financial programs activities	.3	.4	2.4	.9	-1.1	.8	-1.5	-4.5	-3.0	-1.1	.41	-1.10
International security assistance	1.1	2.5	4.8	5.4	5.8	7.9	9.4	10.5	7.1	2.4	.81	.23
Income security	15.8	88.2	98.5	167.7	122.8	112.7	138.3	119.6	123.3	129.6	14.84	12.27
General retirement and disability insurance	1.0	4.7	5.1	5.8	5.8	5.4	5.8	5.3	5.6	4.9	.55	.46
Federal employee retirement and disability	5.5	13.2	26.6	34.3	36.5	38.1	36.6	41.4	40.2	48.2	4.37	4.37
Housing assistance	.5	2.1	5.5	6.7	10.0	11.3	25.3	12.4	12.7	13.8	.95	1.31
Food and nutrition assistance	1.0	6.8	14.0	15.6	18.0	18.1	18.5	16.8	16.9	20.5	2.37	1.84
Other income security	4.3	10.1	17.2	19.8	21.1	21.4	22.7	24.4	25.3	25.4	2.81	2.69
Unemployment insurance	2.4	13.5	16.1	23.7	31.5	18.4	17.5	17.8	17.1	15.8	3.06	1.49
Health	5.9	12.9	23.2	27.4	28.8	28.4	32.5	35.9	40.9	44.5	2.99	4.21
Health care services	4.0	9.5	16.5	21.6	23.0	24.5	27.0	28.9	32.6	36.3	3.05	3.44
Health research	1.1	1.9	3.4	3.9	4.0	4.4	4.8	5.4	5.8	6.5	.58	.81
Education and training of health care workforce	.6	.9	.7	.7	.8	.4	.5	.5	.6	.4	.11	.04
Consumer and occupational health and safety	.2	.8	1.0	1.0	1.1	1.1	1.2	1.2	1.2	1.3	.17	.12
Social Security and Medicare	38.5	77.8	180.6	282.6	223.3	226.8	254.4	285.9	283.5	288.1	25.40	28.29
Social Security	30.3	64.7	118.5	156.0	170.7	173.2	188.6	198.5	207.4	219.7	20.81	20.81
Medicare	8.2	12.9	32.1	46.6	52.6	53.6	65.8	70.2	75.1	78.9	5.43	7.47
Veterans benefits and services ¹	5.7	16.6	21.2	24.6	24.8	25.8	28.3	28.4	28.8	28.7	2.89	2.88
Income security	5.5	7.9	11.7	13.7	14.3	14.4	14.7	15.0	15.0	14.9	1.98	1.42
Education, training, and rehabilitation	1.0	4.8	2.3	1.9	1.6	1.4	1.1	.5	.5	.4	.40	.04
Hospital and medical care	1.8	3.7	6.5	7.5	6.3	6.9	9.5	9.9	10.3	10.8	1.10	1.03
Housing	1	(X)	(-2)	1	(X)	.2	.2	.1	.3	.7	(X)	.05
Education, training, employment, and social services ¹	8.8	18.0	31.8	27.8	25.6	27.8	29.3	30.8	29.7	25.7	5.39	2.19
Elementary, secondary, and vocational education	2.9	4.4	6.9	6.8	6.3	6.5	7.6	7.8	7.9	8.8	1.17	.52
Higher education	1.4	2.2	6.7	7.2	7.2	7.4	8.2	8.4	7.4	8.5	1.14	.80
Research and general education aids	.4	.8	1.2	1.0	1.1	1.3	1.1	1.2	1.3	1.4	.20	.13
Training and employment	1.6	4.1	10.3	6.5	5.3	4.8	5.0	5.3	5.1	5.2	1.75	.46
Social services	2.3	4.4	6.1	6.0	6.1	7.2	6.7	7.2	7.4	9.2	1.09	.87

See footnotes at end of table.

No. 488. FEDERAL RECEIPTS, BY SOURCE, AND OUTLAYS, BY FUNCTION: 1970 TO 1988—Con.

(In billions of dollars. See headnote, p. 304)

SOURCE OR FUNCTION	1970	1975	1980	1982	1983	1984	1985	1986	1987	1988, est.	PERCENT DISTRIBUTION	
											1980	1988
Commerce and housing												
credit	2.1	8.9	8.4	8.3	8.7	8.8	4.2	4.9	6.2	12.4	1.89	1.17
Mortgage credit and thrift insurance .....	.1	5.0	5.8	4.0	3.9	3.8	.9	2.3	3.1	8.2	.95	.79
Payment to Postal Service	1.5	3.0	1.2	.2	1.1	1.2	1.4	.8	1.6	2.2	.21	.21
Other commerce .....	.8	1.0	2.5	2.1	1.7	1.9	2.0	1.8	1.5	1.9	.49	.18
Transportation ¹	7.9	10.9	21.3	20.6	21.3	22.7	26.8	26.1	26.2	27.2	2.61	2.89
Ground transportation	4.7	7.0	16.3	14.3	14.3	16.2	17.6	16.7	17.2	17.6	2.69	1.89
Air transportation	1.4	2.4	3.7	3.5	4.0	4.4	4.9	5.3	6.5	6.0	.83	.57
Water transportation .....	.9	1.4	2.2	2.7	3.0	3.0	3.2	4.0	3.5	3.3	.38	.21
Natural resources and environment ¹	2.1	7.3	12.9	12.9	12.7	12.8	13.4	13.6	13.4	15.1	2.36	1.48
Water resources	1.5	2.8	4.2	3.9	3.9	4.1	4.1	4.0	3.8	4.2	.71	.39
Conservation and land management .....	.4	.7	1.0	1.1	1.5	1.3	1.5	1.4	1.5	2.5	.19	.24
Recreational resources .....	.4	.3	1.7	1.4	1.5	1.6	1.6	1.5	1.6	1.6	.28	.17
Pollution control and abatement .....	.4	2.5	5.5	5.0	4.3	4.0	4.5	4.8	4.9	4.9	.93	.48
Other natural resources .....	.4	.3	1.4	1.5	1.5	1.8	1.7	1.9	1.7	1.9	.11	.18
Energy ¹	1.8	2.9	10.2	13.5	9.4	7.1	6.7	4.7	4.1	2.7	1.72	.36
Supply .....	.9	2.4	8.4	8.3	6.1	3.3	2.6	2.8	2.3	1.2	1.42	.11
Conservation	-	(2)	.6	.5	.5	.5	.5	.5	.3	.3	.10	.03
Emergency preparedness	-	(2)	.3	2.9	1.9	1.1	1.8	.8	.8	.6	.06	.08
Information, policy, and regulation .....	.1	.4	.9	.9	.9	.3	.7	.3	.7	.6	.15	.06
Community and regional development	2.4	4.3	11.9	8.3	7.8	7.7	7.7	7.2	5.1	6.3	1.99	.96
Community development	1.4	2.3	4.9	4.6	4.4	4.6	4.6	4.1	3.7	3.6	.83	.11
Area and regional development .....	.7	1.1	4.2	3.8	3.2	3.0	3.1	2.7	1.6	2.5	.73	.24
Disaster relief and insurance .....	.3	.4	2.0	-1	(-2)	1	(-2)	.4	-2	.1	.35	.01
Agriculture ¹	5.2	3.0	8.8	16.9	22.9	13.8	26.8	31.4	27.4	22.4	1.89	2.12
Farm income stabilization	4.6	2.2	7.4	14.3	21.3	11.9	23.8	29.6	25.5	20.3	1.26	1.83
Research and services .....	.8	.8	1.4	1.6	1.6	1.7	1.8	1.8	1.9	2.0	.34	.19
Net interest	14.4	23.2	52.6	56.9	59.9	111.1	129.4	136.9	139.6	147.9	6.99	14.89
General science, space, and technology ²	4.6	4.8	5.8	7.3	7.9	8.3	8.8	9.9	9.2	16.9	.89	1.03
General science and basic research .....	.9	1.0	1.4	1.6	1.6	1.6	2.0	2.2	2.3	2.5	.11	.23
Space flight	2.3	1.7	2.6	3.5	4.1	4.0	4.0	3.6	4.1	5.2	.44	.49
Space science, applications and technology	1.2	1.3	1.9	2.1	2.2	2.4	2.6	3.0	2.9	3.3	.31	.31
General government ¹	2.9	10.4	12.8	10.9	11.2	11.9	11.8	12.6	7.8	5.9	.76	.86
Legislative functions .....	.3	.6	1.0	1.2	1.2	1.3	1.4	1.4	1.4	1.6	.19	.15
Management, direction (Exec.)	(2)	1	1	1	1	.1	1	1	1	.1	.02	.01
Central fiscal operations .....	.9	1.9	2.6	2.6	3.1	3.3	3.5	3.6	3.6	5.3	.44	.60
General property and records management .....	.8	.4	.3	.2	.2	.2	.1	.6	1	(-2)	.08	(0)
General purpose fiscal assistance	.8	7.2	8.6	8.4	8.5	8.9	8.4	8.4	1.6	1.9	1.46	.17
Administration of justice	1.0	3.9	4.6	4.7	5.1	5.7	6.3	6.8	7.8	9.9	.79	.86
Federal law enforcement .....	.6	1.3	2.2	2.8	2.9	3.2	3.5	3.6	4.1	5.0	.39	.47
Federal judicial activities ³ .....	.2	.8	1.3	1.5	1.6	1.6	2.1	2.2	2.5	2.6	.23	.27
Federal correctional activities	1	.2	.3	.4	.4	.5	.5	.6	.7	.8	.06	.06
Criminal justice assistance .....	.1	.9	.7	.3	1.1	.1	.2	.2	.3	.4	.11	.03
Unallocated offsetting receipts	-6.8	-13.8	-19.9	-26.1	-34.9	-32.0	-32.7	-33.6	-39.5	-36.1	-3.37	8.62
Employer share, employee retirement	-8.4	-11.2	-15.8	-19.8	-23.5	-25.3	-27.2	-28.3	-30.8	-33.0	-2.89	-3.12
Rents and royalties ⁴	-.2	-2.4	4.1	-6.3	-10.5	-6.7	-6.5	-4.7	-4.0	-3.2	.69	-.30

- Represents zero. X Not applicable. Z Less than \$50 million. ¹Totals reflect interfund and intragovernmental transactions and/or other functions, not shown separately. ²Includes supporting space activities. ³Includes legislative activities. ⁴Includes sale of major assets (-1.9), not shown separately. ⁵On Outer Continental Shelf.

Source: U.S. Office of Management and Budget, *Historical Tables, Budget of the United States Government*, annual.

NO. 490. FEDERAL RECEIPTS, BY SOURCE, AND OUTLAYS, BY FUNCTION: 1970 TO 1988

[In billions of dollars. For fiscal years ending in year shown; see text, section 9. Receipts reflect collections; outlays stated in terms of checks issued or cash payments. Covers both Federal funds and trust funds (see text, section 10). Excludes government-sponsored but privately-owned corporations, Federal Reserve System, District of Columbia government, and money held in suspense as deposit funds. See *Historical Statistics, Colonial Times to 1970*, series Y 335-338, Y 343-351, and Y 472-487 for related data.]

SOURCE OR FUNCTION	1970	1975	1980	1982	1983	1984	1985	1986	1987	1988, est.	PERCENT DISTRIBUTION	
											1980	1988
Surplus or deficit (-)	-2.8	-53.2	-73.0	-127.9	-267.8	-166.3	-212.3	-221.2	-180.4	-146.7	(X)	(X)
BY SOURCE												
Total receipts ¹	192.8	279.1	517.1	617.8	698.9	866.5	734.1	798.1	864.1	898.2	100.00	100.00
Individual income taxes	90.4	122.4	244.1	297.7	298.9	296.4	334.5	349.0	392.6	393.4	47.20	43.27
Corporation income taxes	32.8	40.6	64.8	48.2	■	55.8	61.3	69.1	63.9	105.8	12.49	11.81
Social insurance taxes and contributions	44.4	84.5	157.8	201.5	208.0	239.4	265.2	283.9	303.9	331.5	30.62	36.46
Employment taxes and contributions	36.1	75.2	139.7	180.7	185.9	200.7	234.5	255.1	273.0	308.1	28.83	33.33
Unemployment insurance	3.5	6.8	15.3	16.6	18.8	25.1	25.8	24.1	25.8	23.7	2.97	2.61
Contributions for other insurance and retirement	1.8	2.6	3.7	4.2	4.4	4.8	4.8	4.7	4.7	4.7	.72	.52
Excise taxes	15.7	18.6	24.3	35.3	35.3	37.4	38.0	32.9	32.5	35.3	4.70	3.89
Estate and gift taxes	3.6	4.8	6.4	8.0	8.1	8.0	6.4	7.0	7.6	7.6	1.24	.83
Customs duties	2.4	3.7	7.2	8.9	8.7	11.4	12.1	13.3	16.1	16.4	■	1.80
Miscellaneous receipts	3.4	6.7	12.7	16.2	15.6	17.0	18.5	19.9	19.2	18.8	2.47	2.13
Federal Reserve earning deposits	3.8	6.8	11.8	15.2	14.8	16.7	17.1	18.4	16.8	16.1	2.26	1.77
BY FUNCTION												
Total outlays ¹	196.8	322.3	898.9	748.7	806.3	861.8	846.3	990.3	1,004.8	1,055.8	100.00	100.00
National defense ¹	81.7	86.5	■	186.3	206.9	227.4	232.7	273.4	292.0	286.4	22.88	27.06
Dept. of Defense, military	80.1	84.8	130.9	180.7	204.4	220.8	245.1	265.5	274.0	277.3	22.15	26.26
Atomic energy defense activities	1.4	1.5	2.8	4.3	5.2	6.1	7.1	7.4	7.5	7.8	.48	.72
Defense related activities	.2	.2	.2	.3	.3	.4	.5	.5	.6	.6	.04	.06
International affairs ¹	4.8	7.1	12.7	12.3	11.8	18.9	19.2	14.2	11.8	9.9	2.18	.94
International development and humanitarian assistance	2.9	3.1	3.6	3.9	4.0	4.8	5.4	5.0	4.3	4.7	.81	.45
Conduct of foreign affairs	.4	.7	1.4	1.6	1.6	1.9	2.1	2.3	2.2	2.7	.23	.26
Foreign information and exchange	.2	.3	.5	.5	.8	.7	.8	.9	1.0	1.1	.09	.11
International financial programs activities	.3	.4	2.4	.9	-1.1	.9	-1.5	-4.5	-3.0	-1.1	.41	-10
International security assistance	1.1	2.5	4.8	5.4	6.6	7.9	9.4	10.5	7.1	2.4	.81	.29
Income security	16.6	89.2	86.5	197.7	122.6	112.7	■	119.8	123.5	129.6	14.84	12.27
General retirement and disability insurance	1.0	4.7	5.1	6.8	5.8	5.4	5.8	5.3	5.5	4.0	.86	.45
Federal employee retirement and disability	5.5	13.2	26.8	■	38.5	38.1	38.6	41.4	49.7	48.2	4.80	4.37
Housing assistance	.5	2.1	5.8	6.7	10.0	11.3	25.3	12.4	12.7	13.8	.86	1.31
Food and nutrition assistance	1.0	8.8	14.0	15.6	18.0	18.1	18.5	18.8	18.9	20.5	2.37	1.84
Other income security	4.3	10.1	17.2	19.8	21.1	21.4	■	24.4	25.3	29.4	2.91	2.69
Unemployment insurance	3.4	13.5	18.1	23.7	31.5	18.4	17.5	17.8	17.1	15.8	3.06	■
Health	5.9	15.9	22.3	27.4	28.6	30.4	32.5	35.9	40.0	44.5	3.92	4.21
Health care services	4.0	9.5	18.0	21.8	23.0	24.5	27.0	28.9	32.8	36.3	3.06	3.44
Health research	1.1	1.9	3.4	3.8	4.0	4.4	4.9	5.4	5.8	6.5	.58	.81
Education and training of health care workforce	.8	.9	.7	.7	.6	.4	.5	■	.8	.4	.12	.04
Consumer and occupational health and safety	.2	.8	1.0	1.0	1.1	1.1	1.2	■	1.2	1.3	.17	.12
Social Security and Medicare	38.5	77.5	189.8	202.5	223.3	225.9	264.4	295.9	292.5	296.8	25.49	28.28
Social Security	30.3	64.7	118.5	156.0	170.7	178.2	188.5	198.5	207.4	219.7	20.06	20.81
Medicare	6.2	12.9	32.1	46.9	52.6	57.5	65.8	70.2	75.1	76.9	5.43	7.47
Veterans benefits and services ¹	8.7	18.8	21.2	34.8	24.3	25.8	■	■	■	27.7	3.89	2.83
Income security	5.5	7.9	11.7	13.7	14.3	14.4	14.7	15.0	15.0	14.9	1.88	1.42
Education, training, and rehabilitation	1.0	4.6	2.3	1.9	1.6	1.4	1.1	.5	.5	.4	.40	.04
Hospital and medical care	■	3.7	6.6	7.5	8.3	8.9	9.5	9.9	10.3	10.8	1.10	1.08
Housing	1	(X)	(-X)	1	(X)	.2	.2	.1	.3	.7	(X)	.06
Education, training, employment, and social services ¹	6.8	18.0	21.5	27.8	28.9	27.8	29.3	■	29.7	32.7	6.29	2.19
Elementary, secondary, and vocational education	2.9	■	6.9	6.5	6.3	6.5	7.6	7.8	7.9	8.5	1.17	.82
Higher education	1.4	2.2	6.7	7.2	7.2	7.4	8.2	8.4	7.4	8.5	1.14	.80
Research and general education aids	.4	.8	1.2	1.0	1.1	1.2	1.1	1.2	■	1.4	.20	.13
Training and employment	1.8	4.1	10.3	6.5	8.3	■	5.0	5.3	5.1	6.2	1.75	.49
Social services	2.3	4.4	6.1	6.0	6.1	7.2	6.7	7.2	7.4	9.2	1.03	.87

See footnotes at end of table.

No. 466. FEDERAL RECEIPTS, BY SOURCE, AND OUTLAYS, BY FUNCTION: 1970 TO 1988—Con.

[In billions of dollars. See footnote, p. 304]

SOURCE OR FUNCTION	1970	1975	1980	1982	1983	1984	1985	1986	1987	1988, est.	PERCENT DISTRIBUTION	
											1980	1988
Commerce and housing												
Credit	2.1	9.9	9.4	9.3	9.7	9.9	4.2	4.9	6.2	12.4	1.89	1.17
Mortgage credit and their insurance	1	6.0	5.6	4.0	3.9	3.8	.9	2.3	3.1	6.2	.85	.78
Payment to Postal Service	1.5	3.0	1.2	.2	1.1	1.2	1.4	.9	1.8	2.2	.21	.21
Other commerce .....	.5	1.0	2.5	2.1	1.7	1.9	2.0	1.8	1.5	1.9	.49	.19
Transportation ¹	7.8	19.9	21.5	20.6	21.3	23.7	29.8	29.1	29.2	27.2	2.61	2.89
Ground transportation	4.7	7.0	15.3	14.3	14.3	16.2	17.6	16.7	17.2	17.9	2.09	1.99
Air transportation	1.4	2.4	3.7	3.5	4.0	4.4	4.9	5.3	5.5	6.0	.83	.87
Water transportation .....	.9	1.4	2.2	2.7	3.0	3.0	3.2	4.0	3.6	3.3	.39	.31
Natural resources and environment ¹	3.1	7.3	13.9	13.9	12.7	12.9	13.4	13.6	13.4	16.1	2.35	1.49
Water resources	1.5	2.5	4.2	3.9	3.9	4.1	4.1	4.0	3.6	4.2	.71	.39
Conservation and land management .....	.4	.7	1.0	1.1	1.5	1.3	1.5	1.4	1.5	2.5	.18	.24
Recreational resources .....	.4	.8	1.7	1.4	1.5	1.8	1.9	1.5	1.6	1.8	.29	.17
Pollution control and abatement .....	.4	2.5	5.5	5.0	4.3	4.0	4.5	4.5	4.9	4.8	.93	.46
Other natural resources .....	.4	.8	1.4	1.6	1.5	1.8	1.7	1.9	1.7	1.9	.24	.18
Energy ¹	1.9	2.9	10.2	13.6	9.4	7.1	6.7	4.7	4.1	2.7	1.73	.36
Supply .....	.9	2.4	8.4	8.3	6.1	3.3	2.6	2.8	2.3	1.2	1.42	.11
Conservation	-	(2)	.6	.6	.5	.5	.5	.5	.3	.3	.10	.08
Emergency preparedness	-	(2)	.3	3.9	1.9	2.5	1.8	.6	.8	.6	.08	.06
Information, policy, and regulation .....	.1	.4	.9	.9	.9	.8	.7	.8	.7	.9	.15	.06
Community and regional development	2.4	4.3	11.9	8.3	7.6	7.7	7.7	7.2	5.1	6.3	1.99	.99
Community development	1.4	2.3	4.6	4.6	4.4	4.5	4.6	4.1	3.7	3.6	.63	.36
Area and regional development .....	.7	1.8	4.3	3.8	3.2	3.0	3.1	2.7	1.8	2.5	.73	.34
Disaster relief and insurance .....	.3	.4	2.0	-.1	(-2)	1	(-2)	.4	-.2	.1	.36	.01
Agriculture ¹	6.2	3.9	9.6	16.9	22.9	13.6	25.6	31.4	27.4	22.4	1.89	2.12
Farm income stabilization	4.6	2.2	7.4	14.3	21.3	11.3	23.8	29.6	25.5	20.3	1.29	1.93
Research and services .....	.8	.9	1.4	1.6	1.6	1.7	1.8	1.8	1.9	2.0	.24	.19
Net interest	14.4	23.3	52.5	66.9	69.9	111.1	129.4	136.9	136.9	147.9	6.99	14.99
General science, space, and technology ²	4.8	4.6	5.6	7.3	7.9	6.3	9.6	9.9	9.2	16.9	.99	1.99
General science and basic research .....	.9	1.0	1.4	1.6	1.6	1.8	2.0	2.2	2.3	2.5	.23	.23
Space flight	2.3	1.7	2.6	3.5	4.1	4.0	4.0	3.6	4.1	5.2	.44	.49
Space science, applications and technology	1.2	1.3	1.9	2.1	2.2	2.4	2.6	3.0	2.8	3.3	.31	.31
General government ¹	2.3	10.4	13.9	16.9	11.2	11.8	11.6	12.6	7.8	6.8	.78	.86
Legislative functions .....	.3	.6	1.0	1.2	1.2	1.3	1.4	1.4	1.4	1.9	.19	.15
Management, direction (Exec.)	(2)	1	.1	1	1	1	.1	1	1	1	.02	.01
Central fiscal operations .....	.9	1.9	2.6	2.6	3.1	3.3	3.5	3.6	3.9	5.3	.44	.50
General property and records management .....	.8	.4	.3	.2	.2	.2	1	.5	1	(-2)	.09	(0)
General purpose fiscal assistance .....	.5	7.3	8.6	6.4	9.5	9.8	6.4	6.4	1.6	1.8	1.46	.17
Administration of justice	1.6	3.9	4.6	4.7	5.1	5.7	6.3	6.6	7.6	6.6	.76	.86
Federal law enforcement .....	.8	1.3	2.2	2.5	2.9	3.2	3.5	3.6	4.1	6.0	.39	.47
Federal judicial activities ³ .....	.2	.6	1.5	1.6	1.6	1.8	2.1	2.2	2.5	2.8	.23	.27
Federal correctional activities .....	.1	.2	.3	.4	.4	.5	.5	.6	.7	.8	.08	.08
Criminal justice assistance	1	.9	.7	.9	.2	1	.2	.2	.3	.4	.11	.09
Undistributed offsetting receipts	-6.6	-13.6	-19.9	-29.1	-34.9	-32.6	-32.7	-29.9	-29.6	-39.1	-2.37	-3.42
Employer share, employee retirement	-6.4	-11.2	-15.6	-19.6	-23.5	-25.3	-27.2	-26.3	-30.6	-33.0	-2.69	-3.12
Funds and royalties ⁴	-.2	-.24	-.41	-.63	-10.5	-.67	-.55	-.47	-.40	-.32	-.69	-.30

- Represents zero. X Not applicable. Z Less than \$50 million. ¹Totals reflect interfund and intragovernmental transactions and/or other functions, not shown separately. ²Includes supporting space activities. ³Includes legislative activities. ⁴Includes sale of major assets (-1.6), not shown separately. ⁵On Outer Continental Shelf.

Source: U.S. Office of Management and Budget, *Historical Tables, Budget of the United States Government*, annual.

No. 491. FEDERAL BUDGET OUTLAYS IN CURRENT AND CONSTANT (1982) DOLLARS: 1970 TO 1988

For fiscal years ending in year shown; see text, section 8. Given the inherent imprecision in defining outlays, the data shown in constant dollars present a reasonable perspective—not precision. The dollars and the categories that are defined are as comparable over time as is feasible. See headings, table 490. Blank sign (—) indicates decrease.

YEAR	CURRENT DOLLARS						CONSTANT (1982) DOLLARS					
	Total	National defense	Total non-defense ¹	Payments for individuals ²	Net interest ³	Add to State and local govt.	Total	National defense	Total non-defense ¹	Payments for individuals ²	Net interest ³	Add to State and local govt.
TOTAL OUTLAYS (Bil. dol.)												
1970	195.6	81.7	114.0	84.7	14.4	24.0	509.4	226.6	282.7	182.2	24.7	61.1
1971	210.2	78.9	131.3	80.4	14.6	29.1	509.4	202.7	306.7	181.0	24.0	68.7
1972	230.7	78.2	151.5	82.9	16.6	34.3	527.6	180.6	346.7	200.1	25.6	77.1
1973	248.7	76.7	169.0	104.6	17.9	41.8	527.6	176.1	352.4	216.7	26.8	88.7
1974	269.4	78.3	190.0	120.1	21.4	42.3	526.7	183.9	342.3	229.4	41.1	84.6
1975	332.3	86.5	245.8	103.6	23.2	40.7	598.0	169.6	428.2	285.9	40.4	87.0
1976	371.8	89.8	282.2	180.1	26.7	60.0	606.9	183.6	423.2	291.7	43.0	86.1
1976, TQ ⁴	89.0	22.9	73.7	46.4	6.9	16.9	87.1	116.3	71.2	19.6	25.1	25.1
1977	408.2	87.2	312.0	195.3	29.8	66.3	622.6	164.3	458.3	296.5	44.6	108.6
1978	468.7	104.6	364.2	211.0	36.4	77.8	652.2	166.0	486.2	296.6	46.4	108.7
1979	503.5	116.3	387.1	232.9	42.6	82.8	660.2	186.1	501.0	301.6	54.7	106.6
1980	580.9	134.0	456.9	277.5	52.6	91.4	699.1	184.0	515.1	324.7	62.0	105.6
1981	678.2	167.5	520.7	322.4	66.7	94.7	729.6	171.4	558.2	344.3	73.7	100.8
1982	745.7	186.3	559.4	368.7	85.0	88.1	745.7	186.3	559.4	368.7	85.0	88.1
1983	808.3	208.9	599.4	386.4	89.8	92.4	774.6	201.9	572.3	378.6	86.1	88.7
1984	861.6	227.4	634.4	398.6	111.1	97.6	787.7	211.2	576.4	388.7	102.7	80.1
1985	946.3	252.7	693.6	426.6	128.4	106.7	846.0	229.4	616.7	379.7	116.9	83.8
1986	990.3	273.4	716.9	448.4	136.6	112.2	866.7	243.0	622.7	390.4	118.4	86.6
1987	1,004.6	282.0	722.6	468.4	136.8	108.2	869.3	248.9	620.5	394.9	117.6	80.4
1988, est.	1,056.9	286.4	770.5	488.9	147.9	116.6	888.6	249.6	638.9	404.7	126.9	81.6
PERCENT DISTRIBUTION												
1970	100.0	41.8	58.2	39.1	7.4	12.3	100.0	44.3	55.7	29.8	6.9	12.0
1971	100.0	37.5	62.5	38.3	7.1	13.2	100.0	39.8	60.2	36.6	6.7	13.1
1972	100.0	34.3	65.7	40.3	6.7	14.9	100.0	36.2	63.8	37.9	6.4	14.8
1973	100.0	31.2	68.8	42.6	7.1	17.0	100.0	33.2	66.8	40.9	6.8	16.6
1974	100.0	29.5	70.5	44.8	8.0	16.1	100.0	30.9	69.1	42.2	7.8	16.0
1975	100.0	26.0	74.0	46.2	7.6	14.6	100.0	27.9	72.7	46.4	6.9	14.9
1976	100.0	24.1	75.9	48.4	7.2	16.9	100.0	26.2	73.8	47.9	7.1	16.6
1976, TQ ⁴	89.0	22.2	76.8	47.3	7.2	16.6	100.0	24.3	75.7	46.7	7.1	16.6
1977	100.0	23.8	76.2	48.0	7.3	16.7	100.0	24.6	75.2	47.6	7.2	16.8
1978	100.0	22.8	77.2	48.0	7.7	17.0	100.0	23.6	76.2	46.3	7.8	16.9
1979	100.0	23.1	76.9	48.3	8.6	16.4	100.0	24.1	75.9	46.7	8.3	16.1
1980	100.0	22.7	77.3	47.0	8.8	16.6	100.0	26.6	73.4	46.4	8.9	16.1
1981	100.0	23.2	76.8	47.7	10.1	13.9	100.0	23.6	76.4	47.4	10.1	13.9
1982	100.0	24.9	75.1	47.9	11.4	11.8	100.0	24.8	75.1	47.9	11.4	11.8
1983	100.0	25.9	74.0	48.6	11.4	11.4	100.0	25.9	74.0	48.6	11.4	11.4
1984	100.0	26.7	73.3	48.9	13.0	11.4	100.0	26.8	73.2	48.7	13.0	11.4
1985	100.0	26.7	73.3	46.0	13.7	11.2	100.0	27.0	73.0	44.7	13.6	11.0
1986	100.0	27.8	72.2	39.7	13.7	11.4	100.0	27.9	72.1	46.0	13.6	11.1
1987	100.0	28.1	71.9	46.7	13.9	10.8	100.0	28.1	71.9	46.0	13.7	10.6
1988, est.	100.0	27.0	73.0	47.2	14.0	11.0	100.0	28.0	72.0	46.6	13.8	10.6
ANNUAL PERCENT CHANGE												
1970-1971	7.4	-3.6	15.2	24.3	3.2	16.8	-	-10.2	8.1	18.9	-2.0	8.2
1971-1972	9.8	.4	15.4	16.6	4.9	22.3	3.6	-6.8	9.8	10.6	-1.2	16.6
1972-1973	8.6	-3.1	11.8	12.8	12.1	21.7	-(2)	-8.3	4.7	7.8	6.8	16.0
1973-1974	9.6	3.6	12.4	14.9	23.8	3.6	.2	-8.7	3.7	8.9	14.5	-4.7
1974-1975	23.4	9.0	29.4	27.8	6.4	14.8	10.8	-2.1	16.7	16.4	-1.7	2.0
1975-1976	11.9	3.8	14.8	17.3	14.8	18.7	4.1	-3.9	7.0	8.7	8.4	10.6
1976-1977	10.1	6.6	10.6	8.0	11.9	16.6	2.1	.8	2.7	1.3	2.7	7.7
1977-1978	12.1	7.9	13.6	7.5	16.9	13.9	4.8	.5	6.1	.4	10.6	6.0
1978-1979	9.8	11.3	8.8	10.4	20.2	6.3	1.2	2.6	.8	1.6	10.7	-2.8
1979-1980	17.4	16.2	18.0	18.2	23.2	10.4	6.9	3.1	6.8	7.7	13.3	-3.8
1980-1981	14.8	17.6	14.0	16.6	30.9	2.8	2.9	4.6	2.8	6.0	16.9	-4.9
1981-1982	10.0	17.8	7.8	10.3	23.7	6.9	2.6	6.1	.9	3.6	16.3	-12.3
1982-1983	6.6	13.8	6.5	10.8	5.8	4.0	3.9	6.6	2.3	6.1	1.8	.6
1983-1984	5.2	8.3	4.1	1.1	23.7	6.6	1.7	6.0	.5	-2.6	18.3	1.6
1984-1985	11.1	11.1	11.1	6.8	16.6	6.6	7.7	8.8	7.3	3.0	12.9	4.1
1985-1986	4.6	8.2	3.4	5.6	5.1	6.1	2.1	6.9	.6	2.6	2.2	2.8
1986-1987	1.4	3.1	.6	4.6	1.9	-3.5	-7	2.8	-2.1	1.2	-3	-6.3
1987-1988	5.1	1.2	6.8	6.3	6.7	7.7	1.2	-2.6	2.8	2.5	2.9	3.6

- Represents zero. 2 Less than .05 percent. 1 Includes other items not shown separately. 2 Includes small grants-in-aid to State and local governments. 3 Total interest less interest received by trust funds. 4 Transition quarter, July-Sept.

Source: U.S. Office of Management and Budget, Historical Tables, Budget of the United States Government, annual.

NO. 492. FEDERAL TRUST FUND RECEIPTS, OUTLAYS, AND BALANCES: 1970 TO 1988

[In billions of dollars. For fiscal year ending in year shown; see text, section 9. Receipts based on collections received and deposited. Outlays stated on a check-issued basis, less refunds collected. Balances: That portion of funds authorized for use which have not been spent. See text, section 10 for discussion of the budget concept and trust funds]

TYPE OF FUND	1975	1975	1985	1985	1984	1985	1985	1987	1988, est.
Total receipts ¹	59.4	113.0	213.0	317.4	336.1	332.3	497.2	430.0	471.4
OASDI ² trust funds	31.7	66.7	117.4	172.5	181.1	200.3	200.2	227.8	257.3
Health insurance trust funds	11.9	18.9	35.7	63.1	69.3	75.5	81.4	80.5	102.7
Federal employees retirement funds	4.7	11.5	24.5	34.9	38.6	40.9	43.3	44.0	46.6
Unemployment insurance funds	4.1	8.2	16.2	31.6	29.9	25.6	26.1	27.6	28.2
Highway trust funds	5.5	6.8	7.8	6.4	12.9	14.3	14.7	14.3	15.5
Railroad employees retirement funds	1.7	2.8	4.4	6.3	9.4	9.1	9.9	9.3	9.8
Foreign military sales trust funds	.8	4.4	7.7	13.2	11.2	9.8	10.7	8.5	6.4
Airport and airway trust funds	—	1.1	2.3	2.7	3.0	3.6	3.6	3.9	4.2
State and local fiscal assistance trust funds ³	—	6.2	8.9	4.8	4.6	4.6	4.2	—	—
Veterans life insurance funds	.3	.9	1.1	1.2	1.3	1.3	1.4	1.4	1.4
Total outlays ¹	46.1	111.2	205.1	294.3	309.2	329.5	344.9	367.4	374.5
OASDI ² trust funds	27.3	64.7	118.6	172.3	180.9	191.0	199.8	208.1	220.5
Health insurance trust funds	10.1	14.6	35.0	58.9	62.7	71.4	75.9	81.8	87.7
Federal employees retirement funds	2.8	7.1	14.8	21.0	22.1	23.3	24.3	26.0	27.6
Unemployment insurance funds	3.6	13.2	16.4	32.7	28.1	23.3	21.6	20.5	17.5
Highway trust funds	4.4	4.8	9.2	9.8	10.6	13.3	14.8	13.5	14.2
Railroad employees retirement funds	1.6	3.1	4.7	6.8	5.7	7.9	6.1	8.5	9.0
Foreign military sales trust funds	1.0	3.5	8.9	12.4	10.9	9.8	9.7	9.8	6.8
Airport and airway trust funds	—	.6	1.2	1.8	1.4	2.6	2.4	2.6	3.0
State and local fiscal assistance trust funds ⁴	—	8.1	6.8	4.6	4.6	4.6	5.1	.1	—
Veterans life insurance funds	.6	.6	1.0	1.0	1.0	1.0	1.1	1.1	1.1
Balances	97.3	142.8	192.4	295.4	281.4	315.8	378.2	460.2	548.1
OASDI ² trust funds	32.6	46.2	32.3	32.0	32.2	39.6	45.9	65.4	102.2
Health insurance trust funds	7.8	11.3	19.0	20.4	28.0	32.0	46.1	57.0	72.1
Federal employees retirement funds	22.5	36.6	74.3	111.2	125.8	143.5	162.5	180.5	199.5
Unemployment insurance trust fund	13.1	7.4	14.9	10.0	13.9	18.7	22.9	30.0	36.7
Highway trust funds	2.6	9.6	11.0	9.8	11.6	12.9	12.8	13.8	14.9
Railroad employees retirement accounts	4.6	4.3	2.7	.5	3.1	4.2	6.1	6.7	7.6
Foreign military sales trust fund	.5	2.1	5.2	5.3	5.6	5.5	5.5	5.1	4.8
Airport and airway trust fund	—	2.0	5.4	4.8	6.4	7.4	5.6	9.8	11.2
State and local fiscal assistance trust funds	—	1.7	1.6	1.2	1.2	1.2	.3	.2	.2
Veterans life insurance funds	7.1	7.7	8.5	9.1	9.4	9.7	10.0	10.4	10.7
Trust revolving funds	5.5	8.9	15.5	21.1	22.3	25.3	25.7	27.7	28.5
Other trust funds (nonrevolving)	.6	.7	1.7	3.3	3.4	3.9	5.1	8.0	7.7
Military retirement fund	(X)	(X)	(X)	(X)	—	11.4	23.7	37.5	52.0

— Represents zero. X Not applicable. ¹ After deductions for intrafund transactions, proprietary receipts from public, receipts from off-budget Federal agencies, and receipts and outlays from trust funds, not shown separately. ² Old-age, survivors, and disability insurance. ³ Deposits for general revenue sharing. ⁴ Payments for general revenue sharing.

Source: U.S. Office of Management and Budget, *Special Analyses, Budget of the United States Government*, annual.

NO. 493. EXECUTIVE CONTROLLABILITY OF FEDERAL BUDGET OUTLAYS: 1970 TO 1988

[In billions of dollars, except percent. For fiscal years ending in year shown; see text, section 9. Outlays considered relatively uncontrollable are those which can neither be increased nor decreased by Presidential decisions without a change in existing Federal laws or are beyond administrative control, such as benefit payments that beneficiaries are entitled to by law or contractual agreement or other existing legally binding commitments. This table is based on a Presidential perspective]

OUTLAYS	1970	1975	1980	1980	1984	1985	1980	1987	1988, est.
Total outlays	195.6	332.3	590.9	908.2	851.8	946.3	590.9	1,004.6	1,055.9
Relatively uncontrollable outlays	120.3	222.2	413.3	593.5	624.1	699.4	745.4	799.3	799.3
Percent of total outlays	61.5	68.9	70.0	73.4	73.3	72.9	75.3	78.6	75.7
Open-ended programs and fixed costs ¹	78.3	168.9	310.7	464.8	478.8	527.2	564.1	584.0	614.5
Payments for individuals ¹	80.1	139.5	246.6	353.8	357.4	380.5	402.6	421.7	448.8
Social Security and railroad retirement	30.7	67.3	120.0	171.8	179.3	188.9	199.9	208.6	220.9
Medical care	9.4	20.6	47.2	73.5	79.9	91.0	97.8	105.9	114.8
Federal employees' retirement and insurance ²	8.7	18.4	34.7	47.3	49.0	49.8	52.9	55.2	57.7
Food and nutrition assistance	(X)	1.6	3.5	3.3	3.6	3.7	3.8	4.1	4.4
Public assistance and related programs	6.4	12.2	17.5	20.9	21.0	22.2	24.5	25.7	29.9
Unemployment assistance	3.1	12.8	16.8	29.7	18.9	18.1	16.3	15.7	14.4
Net interest	14.4	23.2	52.5	89.8	111.1	129.4	136.0	136.6	147.9
Farm price supports ³	3.8	.6	2.8	18.9	7.3	17.7	25.8	22.4	17.7
Prior-year contracts and obligations ⁴	41.9	53.3	103.2	128.7	145.3	162.2	181.3	185.3	184.3
Relatively controllable outlays	83.8	113.2	178.7	228.0	243.0	284.1	272.7	299.8	205.1
National defense	57.6	64.2	97.4	141.4	147.8	160.5	166.4	169.1	171.1
Civilian programs	26.3	49.1	81.3	64.5	95.2	123.6	107.3	98.8	119.1
Undistributed employer share, employee retirement	-8.4	-11.2	-15.8	-23.5	-25.3	-27.2	-28.3	-30.6	-33.0

X Not applicable. ¹ Includes other outlays not shown separately. ² Includes items previously classified in the veterans' benefits grouping. ³ Prices from Commodity Credit Corporation. ⁴ Excludes prior year contracts and obligations for items under open-ended programs and fixed costs.

Source: U.S. Office of Management and Budget, *Budget of the United States Government*, 1989 Supplement.

NO. 494. REVENUE LOSSES ESTIMATES FOR SELECTED "TAX EXPENDITURES" BY FUNCTION: 1980 TO 1988

[In millions of dollars. For years ending Sept. 30, except as noted. Tax expenditures are defined as "revenue losses attributable to provisions of the Federal tax laws which allow a special exclusion, exemption, or deduction from gross income or which provide a special credit, a preferential rate of tax, or a deferral of liability." Represents tax expenditures of \$1 billion or more in 1988]

DESCRIPTION	1980	1981	1982	1987	1988
National defense:					
Exclusion of benefits and allowances to Armed Forces personnel.....	1,470	1,885	2,085	2,000	1,885
International affairs:					
Exclusion of income earned abroad by United States citizens	855	1,405	1,490	1,895	1,220
Inventory property sales source rules exception	(x)	(x)	(x)	1,845	2,085
Natural resources and environment:					
Exclusion of interest on State and local IDB's for pollution control and sewage and waste disposal facilities	635	1,220	1,885	1,715	1,885
Commerce and housing credit:					
Exclusion of interest on small issue industrial development bonds.....	430	475	2,775	2,925	2,705
Exclusion of interest on life insurance savings.....	3,480	2,175	6,990	5,425	5,410
Deductibility of interest on consumer credit.....	4,745	15,530	17,845	11,845	6,990
Deductibility of mortgage interest on owner-occupied homes.....	15,615	24,705	30,435	24,745	23,675
Deductibility of property tax on owner-occupied homes.....	7,310	9,315	6,990	10,295	10,100
Exclusion of interest on State and local housing bonds for owner-occupied housing.....	447	1,885	2,000	2,010	1,785
Exclusion of interest on State and local debt for rental housing.....	(NA)	755	1,340	1,885	1,885
Deferral of capital gains on home sales.....	1,010	1,775	1,885	2,575	3,700
Exclusion of capital gains on home sales for persons age 55 and over.....	555	830	925	2,180	2,085
Carryover basis of capital gains at death.....	4,750	4,355	4,940	5,710	11,340
Investment credit, other than ESOP's, rehabilitation of structures, energy property, and reforestation expenditures	18,250	24,445	20,055	13,305	9,195
Accelerated depreciation of machinery and equipment ¹	(NA)	20,145	38,010	13,280	21,885
Reduced rates on the first \$100,000 of corporate income:					
Pre-1983 budget method.....	7,210	5,015	4,845	3,710	3,155
Exception from passive loss rules for \$25,000 of rental losses.....	(x)	(x)	(x)	² 350	1,100
Education, training, employment, and social services:					
Deductibility of charitable contributions (education).....	1,080	1,345	1,240	1,720	1,520
Credit for child and dependent care expenses.....	555	2,700	3,170	3,475	3,920
Deductibility of charitable contributions, other than education and health	6,270	10,175	12,620	12,085	13,480
Health:					
Exclusion of employer contributions for medical insurance premiums and medical care	12,075	21,885	23,435	24,550	24,680
Deductibility of medical expenses.....	3,150	3,920	3,755	3,180	1,080
Exclusion of interest on State and local debt for private nonprofit health facilities	425	1,405	2,230	2,570	2,230
Deductibility of charitable contributions (health)	1,370	1,615	2,000	1,570	1,375
Social Security and Medicare:					
Exclusion of Social Security benefits:					
Disability insurance benefits.....	830	1,170	1,195	1,170	1,885
OASI benefits for retired workers.....	5,530	12,955	13,275	14,285	13,470
Benefits for dependents and survivors.....	1,015	3,755	3,905	2,085	2,000
Income security:					
Exclusion of workmen's compensation benefits.....	2,200	2,225	2,425	2,740	2,620
Not exclusion of pension contributions and earnings:					
Employer plans	19,785	48,525	48,950	45,335	41,705
Individual Retirement Accounts	(NA)	12,695	14,890	13,890	9,080
Keoghs.....	1,325	1,960	2,135	2,355	1,520
Exclusion of other employee benefits:					
Premiums on group term life insurance.....	(NA)	2,055	2,200	1,940	1,940
Additional deduction for the elderly.....	(x)	(x)	(x)	² 1,630	1,885
Veterans benefits and services:					
Exclusion of veterans disability compensation.....	1,065	1,065	1,700	1,015	1,470
General purpose fiscal assistance:					
Exclusion of interest on public purpose State and local debt.....	4,925	9,080	9,080	19,080	10,380
Deductibility of nonbusiness State and local taxes other than on owner-occupied homes.....	14,890	21,455	23,995	22,480	17,220
Tax credit for corporations receiving income from doing business in United States possessions.....	905	1,830	1,065	1,885	1,080

NA Not available. X Not applicable. ¹ Pre-1983 budget method. ² Data on calendar year basis.

Source: U.S. Office of Management and Budget, *Special Analyses, Budget of the United States Government*, annual.

No. 488. FEDERAL BUDGET OUTLAYS, BY AGENCY: 1975 TO 1986

[In billions of dollars. For fiscal year ending in year shown; see text, section 9]

DEPARTMENT OR OTHER UNIT	1975	1980	1981	1982	1983	1984	1985	1986	1987	1988, est.
Total	332.3	686.9	876.2	745.7	905.3	951.8	946.3	959.3	1,004.6	1,065.9
Legislative branch	7	1.2	1.2	1.4	1.4	1.6	1.6	1.7	1.8	1.9
The Judiciary	.3	.6	.8	.7	.8	.9	1.0	1.1	1.2	1.4
Executive Office of the President ¹	1	.1	.1	.1	.1	1	1	.1	1	.1
Funds appropriated to President ²	3.7	8.5	6.2	7.9	7.9	10.8	11.9	11.0	10.4	5.2
Departments:										
Agriculture	15.8	34.6	41.8	46.7	62.4	42.0	55.5	58.7	50.4	50.7
Commerce	1.1	3.1	2.3	2.1	1.9	1.9	2.1	2.1	2.1	2.5
Defense	93.1	148.1	170.7	198.6	223.3	240.5	263.9	265.7	294.7	299.6
Education	7.6	14.8	17.1	14.8	14.6	15.5	16.7	17.7	16.8	16.8
Energy	3.2	8.5	11.7	11.8	10.6	11.0	10.8	11.0	10.7	10.5
Health and Human Services	104.2	194.2	238.7	233.1	276.7	292.2	315.5	335.9	351.3	375.1
Housing and Urban Development	7.6	12.7	14.9	15.2	15.8	16.7	28.7	14.1	15.5	16.6
Interior	2.2	4.5	4.5	3.9	4.6	4.9	4.8	4.8	5.1	5.4
Justice	2.1	2.6	2.7	2.6	2.8	3.2	3.6	3.8	4.3	5.2
Labor ³	17.7	29.7	30.1	30.7	36.1	34.5	23.9	24.1	23.5	22.0
State	.8	1.9	1.9	2.2	2.3	2.4	2.6	2.9	2.8	3.3
Transportation	10.1	19.8	22.8	20.0	20.6	23.0	25.0	27.4	25.4	26.3
Treasury	41.3	75.5	92.6	110.3	116.4	141.0	164.9	179.2	180.3	196.9
Independent agencies:										
Environmental Protection Agency	2.5	5.8	6.2	5.1	4.9	4.1	4.5	4.9	4.9	4.9
General Services Administration	.4	.2	.1	.2	.1	.1	(-2)	.4	.1	-1
National Aeronautics and Space Administration	3.3	5.0	5.5	6.2	6.9	7.1	7.3	7.4	7.6	8.1
Office of Personnel Management	7.1	15.1	18.1	20.0	21.3	22.6	23.7	24.0	27.0	28.5
Small Business Administration	.7	2.0	2.0	.8	.7	.5	.7	.6	.1	.3
Veterans Administration	16.8	21.1	22.9	23.9	24.8	25.6	28.3	26.5	27.0	27.6
Other independent agencies	12.0	16.1	14.5	10.6	11.2	11.9	10.0	12.2	14.3	17.9
Undistributed offsetting receipts	-21.3	-32.0	-41.9	-42.2	-51.1	-52.3	-56.7	-65.0	-72.3	-77.7

Z. Less than \$50 million. ¹ Represents funds used to finance the operations of the various units within the office of the President. ² Represents international affairs funds mainly; funds are administered by the State Department, U.S. Agency for International Development, and Department of Defense under the direction of the President. ³ Includes Pension Benefit Guaranty Corporation.

Source: U.S. Office of Management and Budget, *Historical Tables, Budget of the United States Government, 1988*.

No. 489. PUBLIC DEBT AND INTEREST PAID OF THE FEDERAL GOVERNMENT: 1940 TO 1987

[For fiscal years ending in year shown; see text, section 9. Total public debt is restricted to borrowing by the Treasury and the value of savings bonds at current redemption value. See table 489 for "gross Federal debt." For explanation of average annual percent change, see Guide to Tabular Presentation. Minus sign (-) indicates decreases. See also *Historical Statistics, Colonial Times to 1970*, series Y 461, 493, and 494]

YEAR	PUBLIC DEBT			INTEREST PAID		YEAR	PUBLIC DEBT			INTEREST PAID	
	Total ¹ (bil. dol.)	Average annual percent change ²	Per capita ³ (dol.)	Total (bil. dol.)	Percent of Federal outlays ⁴		Total ¹ (bil. dol.)	Average annual percent change ²	Per capita ³ (dol.)	Total (bil. dol.)	Percent of Federal outlays ⁴
1940	43.0	8.4	325	1.0	10.5	1976	680.4	16.4	2,852	37.1	10.0
1945	298.7	43.0	1,848	3.8	4.1	1977	699.9	10.1	3,170	41.9	10.2
1950	296.1	-1	1,898	5.7	13.4	1978	771.5	10.4	3,463	46.7	10.6
1955	272.6	1.3	1,651	6.4	9.4	1979	626.5	7.1	3,086	59.6	11.9
1960	284.1	.9	1,572	9.2	10.0	1980	907.7	8.6	3,985	74.9	12.7
1965	313.9	2.0	1,618	11.3	9.8	1981	907.9	9.9	4,336	95.6	14.1
1970	370.1	3.8	1,814	19.3	9.9	1982	1,142.0	14.4	4,913	117.4	15.7
1971	397.3	7.4	1,921	21.0	10.0	1983	1,377.2	20.8	6,670	128.9	15.9
1972	426.4	7.3	2,037	21.5	9.4	1984	1,572.3	14.2	6,940	153.9	16.1
1973	457.3	7.2	2,164	24.2	9.8	1985	1,823.1	16.0	7,616	178.9	16.9
1974	474.2	3.7	2,223	29.3	10.9	1986	2,125.3	16.8	8,793	187.1	16.9
1975	533.2	12.4	2,475	32.7	9.8	1987	2,360.3	10.8	9,630	195.4	18.5

¹ Adjusted to exclude nonmarketable issues to the International Monetary Fund and other international institutions for 1980, 1985, 1990, 1995, and 1970-1974. ² From preceding year shown; for 1940, change from 1935. ³ 1940-1975, based on estimated July 1 population; thereafter, based on October 1 resident population; prior to 1980, excludes Alaska and Hawaii. ⁴ Calculated on total expenditures not reduced by interfund transactions representing interest and certain other payments to Treasury through 1980. Beginning 1985, total budget outlays. See table 489.

Source: U.S. Dept. of the Treasury, *Statistical Appendix to the Annual Report of the Secretary of the Treasury on the State of the Finance through fiscal 1980*; thereafter, *Monthly Statement of the Public Debt of the United States*, and *Final Monthly Treasury Statement of Receipts and Outlays of the U.S. Government*.

No. 497. INTEREST-BEARING PUBLIC DEBT OF THE FEDERAL GOVERNMENT: 1970 TO 1987

(In billions of dollars. As of end of fiscal year; see text, section 8. See also *Historical Statistics, Colonial Times to 1970*, series Y 497 and Y 900-904)

YEAR	Total	MARKETABLE				NONMARKETABLE			
		Total	Bills	Notes	Treasury bonds ¹	Total	U.S. savings bonds	Other ²	Govt. account series ³
1970	389.0	232.6	75.2	88.5	68.9	156.4	51.3	3.6	78.5
1971	632.1	315.6	128.6	104.2	82.8	316.5	65.4	28.9	124.2
1972	816.0	508.7	161.4	274.2	71.1	312.3	80.4	55.5	176.4
1973	908.4	594.5	185.9	310.8	88.8	311.9	72.7	49.3	189.9
1974	899.6	693.2	229.4	389.8	88.2	313.8	69.0	44.2	201.1
1975	1,140.8	834.4	277.9	442.8	103.6	316.5	67.3	36.7	210.5
1976	1,375.9	1,034.0	340.7	567.5	125.7	351.8	70.0	47.0	234.7
1977	1,599.8	1,178.6	388.3	681.7	158.1	389.0	72.8	60.8	255.5
1978	1,821.0	1,390.2	354.2	776.4	188.5	468.3	77.0	68.9	318.9
1979	2,122.7	* 1,584.9	410.7	908.8	241.7	558.4	85.8	108.9	363.6
1980	2,347.8	* 1,678.0	478.6	1,006.1	277.8	671.5	97.0	134.1	440.7
PERCENT DISTRIBUTION									
1970	100.0	60.0	20.7	24.2	17.1	37.0	13.9	2.4	20.7
1971	100.0	65.6	22.8	24.9	8.2	34.4	8.0	6.4	20.9
1972	100.0	74.7	21.1	42.6	11.0	25.3	4.2	3.8	17.2
1973	100.0	* 73.7	19.3	42.6	11.4	28.3	4.0	6.0	17.2
1974	100.0	* 71.4	16.1	42.6	11.5	28.6	4.1	6.7	18.6

¹ Bank eligible bonds. ² Comprise Treasury bonds, investment series (all years); Treasury bonds (various); certificates of indebtedness (various); certificates and notes; depository bonds; U.S. retirement plan bonds; and U.S. savings notes, beginning 1970. ³ 1970 known as U.S. Treasury special issues. ⁴ Includes Federal Financing Bank, not shown separately.

Source: U.S. Dept. of the Treasury, *Treasury Bulletin*, quarterly.

No. 498. FEDERAL SECURITIES—DISTRIBUTION BY CLASS OF INVESTOR: 1970 TO 1987

(In billions of dollars. As of end of fiscal year; see text, section 8. The Export-Import Bank was moved within the budget effective October 1, 1978. Adjustments are made to include totals for the period it was outside the budget (1970-78). Also adjustments are made to reflect certain Export-Import Bank borrowing now classified as agency debt)

YEAR	Federal securities outstanding, total ¹	INTEREST-BEARING PUBLIC DEBT SECURITIES				YEAR	Federal securities outstanding, total ¹	INTEREST-BEARING PUBLIC DEBT SECURITIES			
		Total outstanding	Held by U.S. Govt. accounts	Held by Federal Reserve banks ²	Held by private investors			Total outstanding	Held by U.S. Govt. accounts	Held by Federal Reserve banks ²	Held by private investors
1970	363	369	68	59	216	1980	914	608	198	121	689
1971	468	466	123	75	268	1981	1,004	668	208	134	694
1972	488	473	126	80	265	1982	1,147	1,141	218	134	789
1973	544	532	145	88	302	1983	1,382	1,378	238	168	861
1974	632	619	180	94	375	1984	1,577	1,560	259	168	1,141
1975	708	698	188	* 106	437	1985	1,827	1,821	317	170	1,340
1976	780	787	188	115	484	1986	2,130	2,128	389	191	1,548
1977	834	819	188	115	516	1987	2,354	2,348	457	212	1,679

¹ Includes agency securities and matured public debt not shown separately.

² Public issues.

³ Includes a nonmarketable Federal Reserve special certificate for \$2,000.

Source: U.S. Dept. of the Treasury, *Treasury Bulletin*, quarterly.

No. 499. INTEREST-BEARING GOVERNMENT SECURITIES OUTSTANDING: 1970 TO 1987

(In billions of dollars, except percent. As of end of fiscal year; see text, section 8. Per values, except U.S. savings bonds series, E, F, J, and U.S. savings notes, which are included at current redemption values)

TYPE OF SECURITY	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total	621	786	1,046	1,128	1,347	1,383	1,540	1,823	2,062	2,376	2,776	3,057
State and local govt. ^{1,2}	139	213	273	302	334	360	394	442	488	554	649	705
Percent of total	26.7	26.2	26.0	26.8	26.8	26.4	25.6	24.2	23.8	23.3	23.4	23.1
Taxable ³	306	419	623	650	723	802	936	1,146	1,304	1,511	1,781	1,911
Government account series ⁴	75	124	153	176	190	201	210	235	280	314	388	441
By issuer												
U.S. Treasury	369	532	767	819	908	986	1,141	1,378	1,660	1,821	2,125	2,348
Agency securities ⁵	13	11	9	7	7	8	5	5	4	4	4	4
State and local govt. ^{1,2}	139	213	273	302	334	360	394	442	488	554	649	705

¹ Source: Board of Governors, Federal Reserve System, unpublished data. ² Includes some partially taxable debt. Includes industrial pollution control bonds, student loan bonds and nonprofit hospital bonds. ³ Interest is subject to both normal and surtax rates of Federal income tax. ⁴ Prior to July 1, 1974, known as U.S. Treasury special issues. ⁵ Excludes securities issued by Federal home loan banks, Federal land banks, Federal National Mortgage Association, Federal Intermediate credit banks, and banks for cooperatives.

Source: Except as noted, U.S. Dept. of the Treasury, through 1980, *Statistical Appendix to the Annual Report of the Secretary of the Treasury on the State of the Finances*; thereafter, *Treasury Bulletin*, quarterly.

NO. 500. FEDERAL PARTICIPATION IN DOMESTIC CREDIT MARKETS: 1979 TO 1987

[In billions of dollars, except percent. See headnote, table 501. Federal credit programs are primarily in three forms: direct loans from the Federal government, Federal guarantees of private lending, and lending by privately owned Government-sponsored enterprises. Nonfinancial sectors]

TYPE OF PARTICIPATION	1975	1985	1981	1985	1985	1984	1985	1985	1987
Total funds loaned in U.S. credit markets, excluding equities ¹	413.0	600.6	419.9	391.1	547.8	946.3	967.5	836.0	642.7
Federal and federally assisted lending	72.9	79.9	86.5	87.6	86.5	78.5	110.3	129.1	146.2
Federal participation rate (percent)	17.7	22.3	21.1	22.4	15.6	12.2	16.0	15.6	23.2
Direct loans	19.0	24.2	28.1	28.4	15.3	6.3	28.0	11.2	-19.0
Guaranteed loans	25.2	31.8	26.0	20.9	34.1	20.1	21.6	34.6	60.4
Government-sponsored enterprise loans	28.1	24.1	32.4	43.3	37.1	53.1	60.7	83.3	107.8
Total funds borrowed in U.S. credit markets ¹	418.5	281.1	498.5	296.6	511.4	798.7	798.2	986.1	723.8
Federal and federally assisted borrowing	80.7	123.5	142.1	188.5	280.4	246.4	276.8	374.1	327.1
Federal participation rate (percent)	19.3	35.2	34.7	50.7	54.8	35.2	36.5	41.3	45.2
Federal borrowing from public	33.8	79.5	79.3	135.0	212.3	170.8	197.3	236.3	151.7
Borrowing for guaranteed loans	25.2	31.6	23.0	20.9	34.1	20.1	21.6	34.6	60.4
Government-sponsored enterprise borrowing	21.9	21.4	34.6	43.3	34.0	55.5	57.9	103.2	115.0

¹ Funds loaned to and borrowed by nonfinancial sectors, excluding equities.

Source: U.S. Office of Management and Budget, *Special Analyses, Budget of the United States Government*, annual.

NO. 501. FEDERAL DIRECT AND GUARANTEED LOANS: 1970 TO 1988

[As of end of fiscal year; see text, section 9. Government guaranteed loans (loans for which the Government guarantees payment of principal or interest in whole or part) are not included in Federal budget outlays. They constitute contingent liabilities not resulting in outlays, except in event of default. Government direct loans are made by both on-budget and off-budget Federal agencies. See headnote, table 500]

YEAR	AMOUNT (bil. dol.)						PERCENT CHANGE			
	Direct loans ¹			Guaranteed loans ²			Direct loans ¹		Guaranteed loans ²	
	Gross (new) loans disbursed	Net loan outlays	Direct loans outstanding	Primary ³	Net loans	Guaranteed loans outstanding	Gross (new) loans disbursed	Direct loans outstanding	Primary ³	Guaranteed loans outstanding
1970	12.4	3.0	51.1	27.5	8.4	125.1	-27.1	8.0	8.7	8.9
1970	20.6	12.8	74.1	31.2	8.7	198.3	82.3	20.5	-2.5	4.5
1977	35.4	11.5	100.7	43.9	14.0	224.0	2.6	17.2	37.6	6.8
1978	48.6	19.0	120.5	48.5	13.4	237.9	37.3	19.7	10.5	6.2
1978	48.2	19.6	140.5	80.5	25.2	284.6	1.2	16.8	24.7	11.2
1980	48.3	24.2	183.9	66.2	31.6	298.5	.2	16.7	9.4	12.6
1981	56.9	26.1	185.0	66.2	28.0	309.1	13.4	12.9	-9.1	3.6
1982	37.1	29.4	207.6	59.6	20.9	331.2	-33.6	12.3	-1.0	7.1
1980	48.6	15.3	223.0	78.0	34.1	363.8	18.1	7.3	30.9	9.8
1984	41.4	6.3	229.3	73.3	20.1	386.7	-5.5	2.8	-6.0	6.3
1980	64.4	28.0	257.4	55.5	21.6	410.4	55.6	12.3	-24.3	6.1
1980	42.2	11.2	251.6	69.6	34.6	448.8	-34.5	-2.3	61.4	9.6
1987	35.2	-19.0	234.2	151.7	60.4	507.0	-16.8	-6.9	68.3	12.7
1988, est.	34.6	-16.2	218.0	100.1	20.8	527.8	-2.0	-8.9	-34.0	4.1

¹ Includes loans from "off-budget" Government accounts. ² Includes capital subscriptions to international financial institutions. To avoid double counting, secondary guarantee loans and guaranteed loans held as direct loans are excluded. ³ Gross loan guarantees minus both secondary guaranteed loans, and guaranteed loans held as direct loans by the Government—by either on- or off-budget accounts.

Source: U.S. Office of Management and Budget, *Special Analyses, Budget of the United States Government*, annual.

NO. 502. U.S. SAVINGS BONDS: 1970 TO 1987

[In billions of dollars, except percent. As of end of fiscal year; see text, section 9. See *Historical Statistics, Colonial Times to 1970*, series Y 500, for similar but not exactly comparable data]

ITEM	1970	1975	1975	1985	1981	1982	1985	1984	1985	1985	1987
Amounts outstanding, total ¹	51.8	65.5	80.5	72.7	68.0	67.5	70.3	73.1	77.3	85.8	97.3
Funds from sales	4.7	6.9	7.3	4.8	3.4	3.1	4.0	3.9	5.0	6.3	10.3
Accrued discounts	1.0	3.3	4.3	4.2	4.2	4.9	5.0	5.3	5.2	5.6	8.1
Redemptions ²	6.3	6.5	11.0	16.7	12.3	8.7	6.1	8.1	5.7	5.1	4.9
Percent of total outstanding	12.2	10.0	13.6	23.0	18.0	12.9	6.7	8.3	7.4	6.0	5.1

¹ Interest-bearing debt only for amounts and of period or end of year.

² Matured and unmatured bonds.

Source: U.S. Dept. of the Treasury, *Treasury Bulletin*, quarterly.

NO. 503. FEDERAL FUNDS—SUMMARY DISTRIBUTION, BY STATE AND OUTLYING AREAS: 1967

(In millions of dollars, except as indicated. For year ending Sept. 30. Data for grants, salaries and wages, and direct payments to individuals are on an expenditure basis; procurement is on obligation basis. Minus sign (-) indicates decrease. For composition of regions, see fig. 1, inside front cover.)

Region, Division, and State	FEDERAL FUNDS			Defense	Non-defense	Direct payments to individuals	Procurement	Grants to State and local gov'ts.	Salaries and wages
	Total ¹	Per cent change 1966-1967	Per capita ² (dol.)						
Total	948,163	2.3	3,434	251,601	616,562	363,667	196,365	167,962	126,864
U.S.	619,186	2.0	3,366	216,777	603,379	360,673	178,196	164,806	125,894
Regions:									
Northeast	172,527	2.1	3,432	40,847	131,681	65,104	36,066	26,944	17,609
Midwest	175,308	1.2	2,944	31,869	143,379	91,066	27,674	24,652	19,224
South	286,630	2.6	3,443	62,046	208,784	131,684	57,314	31,520	68,361
West	182,460	1.9	3,672	61,254	121,236	71,986	52,908	20,660	30,679
New England:	51,791	2.9	3,966	16,391	32,851	26,662	17,132	6,414	4,826
Maine	4,109	5.8	3,461	1,171	2,938	2,010	879	689	467
New Hampshire	3,042	2.3	2,676	864	2,108	1,514	612	360	566
Vermont	1,474	2.7	2,690	160	1,294	796	149	314	164
Massachusetts	25,513	2.3	4,366	5,602	15,911	9,911	6,456	2,963	2,204
Rhode Island	3,453	7.1	3,502	636	2,817	1,761	686	500	474
Connecticut	19,600	.8	4,226	5,637	7,963	4,826	5,651	1,460	1,060
Middle Atlantic:	121,336	1.9	3,341	22,166	99,169	64,162	26,669	26,669	12,671
New York	60,252	1.4	3,360	11,163	49,100	29,620	11,675	11,662	5,421
New Jersey	23,031	3.9	3,002	4,809	18,222	12,461	4,095	3,267	2,656
Pennsylvania	36,063	1.6	3,186	6,224	31,829	22,210	5,365	5,271	4,361
East North Central:	112,366	.1	2,962	17,347	95,139	63,636	15,664	17,166	11,666
Ohio	31,207	-1.9	2,604	6,361	24,867	16,615	5,916	4,362	3,329
Indiana	14,691	-	2,666	3,109	11,582	6,097	2,402	1,662	1,637
Illinois	30,947	2.6	2,672	3,726	27,221	17,432	3,076	4,466	4,066
Michigan	23,348	-2	2,636	2,719	20,629	15,663	2,440	4,166	2,043
Wisconsin	12,162	-	2,636	1,243	10,649	7,212	1,230	2,166	1,017
West North Central:	62,663	3.3	3,666	14,663	48,240	27,669	12,769	7,266	7,266
Minnesota	13,227	6.4	3,115	2,741	10,486	5,636	2,712	2,037	1,076
Iowa	8,661	6.4	3,134	769	8,065	4,666	629	1,060	626
Missouri	21,066	.9	4,126	7,354	13,709	6,466	6,040	1,626	2,476
North Dakota	3,002	6.6	4,467	463	2,546	1,006	249	419	463
South Dakota	2,660	6.4	3,761	279	2,381	1,134	161	440	416
Nebraska	6,331	2.3	3,334	621	4,510	2,066	374	607	610
Kansas	6,760	-	3,666	2,646	6,512	3,662	1,629	646	1,376
South Atlantic:	163,669	5.6	3,666	60,664	112,667	70,644	34,146	16,676	27,671
Delaware	1,622	2.0	2,629	406	1,414	666	234	301	269
Maryland	23,166	6.9	5,113	7,444	15,743	7,766	6,666	2,032	6,162
District of Columbia	14,530	.7	23,360	1,662	12,666	1,616	2,666	1,616	7,666
Virginia	31,362	12.0	6,317	16,669	14,694	9,662	9,511	1,606	6,162
West Virginia	5,326	-1.6	2,607	362	5,006	3,421	266	1,629	609
North Carolina	16,666	5.4	2,666	4,346	12,350	6,662	1,641	2,171	3,366
South Carolina	10,369	4.4	3,661	2,666	7,616	4,767	1,666	1,660	3,339
Georgia	19,166	3.6	3,060	6,602	12,564	6,267	3,766	2,912	4,061
Florida	41,366	4.7	3,443	10,704	30,664	25,266	7,204	3,166	6,666
East South Central:	46,226	-3.4	3,166	6,669	39,639	24,611	6,644	6,662	7,676
Kentucky	10,367	-17.2	2,762	1,660	8,637	5,616	743	1,702	1,666
Tennessee	16,300	-3.9	3,161	1,777	13,523	7,304	3,516	2,016	2,166
Alabama	13,627	6.3	3,411	3,630	10,309	6,745	2,654	1,660	2,627
Mississippi	6,726	3.0	3,364	2,462	6,263	4,147	1,732	1,274	1,162
West South Central:	76,719	.1	2,661	21,363	55,347	36,639	14,622	9,667	12,667
Arkansas	7,316	1.9	3,064	1,353	5,963	4,166	669	1,009	601
Louisiana	11,621	-4.6	2,660	2,620	9,001	6,367	2,464	1,919	1,694
Oklahoma	10,060	3.3	3,077	2,346	7,721	6,609	621	1,317	2,143
Texas	47,504	.3	2,629	14,642	32,662	22,160	10,367	4,663	7,666
Mountain:	46,661	6.3	3,739	13,677	36,683	16,601	14,369	6,676	6,667
Montana	2,667	2.3	3,666	260	2,607	1,233	164	540	436
Idaho	3,164	6.3	3,171	326	2,838	1,406	660	366	436
Wyoming	1,535	.9	3,134	166	1,369	666	121	449	274
Colorado	12,301	7.0	3,732	4,427	7,876	4,371	3,666	1,162	2,406
New Mexico	7,366	3.9	4,911	1,461	5,916	2,606	3,060	776	1,160
Arizona	12,661	10.2	3,710	4,637	8,024	6,604	3,601	1,166	1,676
Utah	5,706	3.7	3,366	2,061	3,624	1,660	1,633	764	1,216
Nevada	3,461	-7.0	3,497	676	2,783	1,603	1,026	364	609
Pacific:	133,369	.8	3,664	47,277	86,222	63,669	36,669	16,311	22,662
Washington	17,619	4.4	3,663	6,767	11,652	7,203	4,610	1,676	3,100
Oregon	7,632	1.7	2,766	664	6,969	4,063	512	1,243	664
California	100,769	-1	3,642	37,113	63,656	36,261	32,212	11,006	16,606
Alaska	2,646	4.7	5,421	1,240	1,606	424	762	624	676
Hawaii	4,769	2.6	4,364	2,503	2,266	1,617	626	460	2,076
American Samoa:	66	3.2	1,766	3	63	11	2	61	2
Guam	661	6.6	5,369	604	177	70	116	103	367
Northern Mariana	66	6.2	2,647	-	66	5	7	46	-
Puerto Rico	6,143	2.0	1,676	669	5,466	2,646	460	2,307	467
Virgin Islands	302	-22.6	2,746	66	230	60	76	119	36
Undistributed	21,767	9.1	(0)	14,637	7,130	669	16,466	1,361	67

¹ Represents total. X Not applicable. ² Includes other programs not shown separately.
³ Based on Bureau of the Census estimated resident population as of July 1.

Source: U.S. Bureau of the Census, *Federal Expenditures by State for Fiscal Year*, annual.

NO. 884. TAX RETURNS FILED—EXAMINATION COVERAGE: 1970 TO 1987

(In thousands, except as indicated)

YEAR AND ITEM	Returns filed ¹	RETURNS EXAMINED					AVERAGE TAX AND FEES ² PER RETURN FILED		
		Total	Per- cent of re- turns filed	By—			Revenue agents	Tax auditors	Service centers
INDIVIDUAL RETURNS									
1970	78,431.0	1,672.0	2.2		(NA)	-	(NA)	(NA)	-
1975	81,272.0	1,838.8	2.3		1,483.4	-	2,888	218	-
1980	80,727.0	1,833.8	2.0	282.5	1,348.3	185.1	1,336	802	38
1981	83,052.0	1,844.1	1.8	288.5	1,183.1	161.5	8,374	578	283
1982	84,013.0	1,855.3	1.8	285.5	1,088.6	103.2	7,506	751	364
1983	85,418.0	1,827.7	1.5	277.8	1,001.9	147.8	10,248	880	316
1984	85,541.3	1,215.8	1.3	278.2	888.4	88.4	11,884	1,314	882
1985	86,488.8	1,285.6	1.3	332.8	810.8	122.1	10,854	1,538	488
1986	88,528.0	1,080.8	1.1	288.8	732.5	58.6	14,052	1,845	842
1987, total	101,788.8	1,188.2	1.1	317.5	818.4	101.3	12,238	2,187	4,884
1040A, total income under \$10,000	18,804.8	105.8	5	11.0	45.2	48.7	10,843	1,335	3,301
Non 1040A, total income: ³									
Under \$10,000	8,804.0	42.0	4	8.7	24.7	8.8	5,587	1,033	882
\$10,000-\$24,999, single	21,285.6	135.8	8	25.1	85.8	24.1	2,388	99	862
\$10,000-\$24,999, couples	8,887.8	128.7	1.3	28.4	73.8	25.4	2,388	1,015	848
\$25,000-\$48,888	24,588.3	343.8	1.4	75.8	235.2	32.7	3,107	1,280	1,480
\$50,000 and over	10,028.1	224.4	2.2	95.4	95.8	33.4	20,254	5,817	12,030
Schedule C—TGR: ⁴ Under \$25,000	1,802.0	28.8	1.4	11.4	14.5	8	5,834	1,748	1,528
\$25,000-\$88,888	2,125.0	42.7	2.0	22.4	18.3	2.0	7,277	3,380	8,147
\$100,000 and over	1,188.0	48.2	3.8	32.4	11.1	2.8	28,388	8,815	15,835
Schedule F—TGR: ⁴ Under \$25,000	240.0	2.2	.9	7	1.3	1	4,483	788	1,188
\$25,000-\$88,888	438.5	4.8	1.1	1.8	2.2	7	4,438	1,158	588
\$100,000 and over	238.6	5.6	2.3	3.2	1.6	7	70,381	4,788	18,238
1088—OTHER RETURNS									
Partnerships	2,278.2	5.1	.2	5.1	-	-	15,425	-	-
Partnerships	1,713.6	18.8	1.2	18.8	-	-	-	-	-
Corporations, total	3,847.8	55.1	19.5	55.1	-	-	878,232	-	-
Corporations except DISC and S corporations ⁵	2,827.5	44.7	1.8	44.7	-	-	238,813	-	-
S corporations ⁶	812.0	9.1	1.1	9.1	-	-	438,882	-	-
Form 1120 DISC ⁷	8.1	1.3	18.8	1.3	-	-	857	-	-
Estate, total	67.8	15.1	22.4	15.1	-	-	63,887	-	-
Gross estate: Under \$1 million	51.7	8.8	18.8	8.7	-	-	18,121	-	-
\$1 million-\$4,888 million	14.8	5.5	38.0	5.5	-	-	50,172	-	-
\$5 million and over	1.3	.8	82.8	.8	-	-	843,718	-	-
(Int.)	101.3	1.7	1.7	1.7	-	-	135,913	-	-
Excise	1,085.5	38.8	3.8	38.8	-	-	4,074	-	-
Employment	27,812.2	48.3	.2	45.2	1.1	-	7,730	528	-
Wardoff profit	10.3	4.4	42.4	1.5	-	2.8	701,123	-	2,158
Miscellaneous	-	1	-	1	-	-	18,383	-	-
Service center corrections	-	503.3	-	-	-	503.3	-	-	-

- Represents zero. NA Not available. ¹Returns filed in previous calendar year. ²Income is that from positive sources only. ³Total gross receipts. ⁴Small business corporations. Represents corporations with no more than 35 shareholders (10 prior to 1983), most of which are individuals, electing to be taxed at the shareholder level. ⁵Domestic international sales corporation.

Source: U.S. Internal Revenue Service, *Annual Report of the Commissioner and Chief Counsel of the Internal Revenue Service*.

NO. 885. INTERNAL REVENUE GROSS COLLECTIONS, BY SOURCE: 1970 TO 1987

(For fiscal year ending in year shown; see last section 8. See also *Historical Statistics, Colonial Times to 1970*, series Y 358-373)

SOURCE OF REVENUE	COLLECTIONS (bil. dol.)								PERCENT OF TOTAL			
	1970	1975	1980	1983	1984	1985	1986	1987	1970	1980	1985	1987
All items	186.8	283.8	619.4	827.2	880.5	742.8	782.3	888.3	100.0	100.0	100.0	100.0
Individual income taxes:												
Withheld by employers	103.7	156.4	287.5	349.8	382.9	388.7	416.8	465.4	53.0	54.8	53.4	52.5
Employment taxes ¹	77.4	122.1	223.8	288.0	279.0	288.0	314.8	322.5	38.9	43.1	40.2	36.4
Old-age and disability insurance	37.4	70.1	128.3	173.8	190.2	225.2	243.8	277.0	19.1	24.7	30.2	31.3
Unemployment insurance	35.7	67.1	122.5	168.4	188.5	215.8	234.9	268.8	18.2	23.6	29.0	30.1
Corporation income taxes	8	14	3.3	4.3	6.0	5.7	5.3	8.2	4	6	8	7
Estate and gift taxes	35.0	45.7	72.4	81.8	74.2	77.4	80.4	102.8	17.9	13.9	10.4	11.6
Excise taxes	3.7	4.7	6.5	8.2	8.2	8.6	7.2	7.7	1.9	1.3	8	8
Alcohol	15.9	16.8	24.8	35.8	38.0	37.0	33.7	33.3	8.1	4.7	5.0	3.8
Tobacco	4.7	5.4	5.7	5.8	5.4	5.4	5.8	11.1	2.4	1.1	7	1.3
Manufactures	2.1	2.3	2.4	4.1	4.7	4.5	4.6	11.1	1.1	5	8	1.3
Wardoff profit tax	8.7	8.8	8.8	8.4	10.1	10.8	9.8	10.2	3.4	1.3	1.3	1.2
Other	(2)	(2)	3.1	15.7	8.1	5.1	8.8	(2)	(2)	8	7	(2)
	2.4	3.7	6.8	4.0	9.7	12.0	4.7	12.0	1.2	1.3	1.8	1.4

X Not applicable. Z Less than \$80 million or .05 percent. ¹Includes railroad retirement, not shown separately.

Source: U.S. Internal Revenue Service, *Annual Report of the Commissioner and Chief Counsel of the Internal Revenue Service*.

NO. 506. FEDERAL INDIVIDUAL INCOME TAX RETURNS WITH ADJUSTED GROSS INCOME (AGI)—SUMMARY: 1970 TO 1986

[Includes Puerto Rico and Virgin Islands. Except as noted, includes returns of resident aliens, based on a sample of unadjusted returns as filed. Data are not comparable for all years because of tax changes and other changes, as indicated. See *Statistics of Income, Individual Income Tax Returns* publications for a detailed explanation. See Appendix III. See *Historical Statistics, Colonial Times of 1870, Series Y 302-411*, for related data.]

ITEM	NUMBER OF RETURNS (1,000)						AMOUNT (mil. dol.)						AVERAGE AMOUNT (dollars)			
	1970	1975	1980	1985	1986, prel.	1987	1970	1975	1980	1985	1986, prel.	1970	1975	1980	1985	1986, prel.
Total returns	74,280	82,228	93,902	101,880	103,100	631,663	631,663	647,765	1,813,731	2,305,951	2,522,517	8,504	11,528	17,185	22,663	24,419
Form 1040	74,280	82,228	93,902	101,880	103,100	631,663	631,663	647,765	1,813,731	2,305,951	2,522,517	8,504	11,528	17,185	22,663	24,419
Salaries and wages	68,986	73,520	83,802	87,198	88,885	531,684	531,684	706,436	1,310,066	1,838,263	2,151,153	8,504	14,478	22,935	28,927	31,228
Interest received	32,030	40,378	49,020	54,526	55,480	22,021	22,021	43,434	102,009	162,109	168,202	676	1,076	2,081	2,113	2,087
Dividends after exclusion	7,730	8,853	10,739	15,528	16,752	15,807	15,807	21,882	38,781	55,046	63,074	2,045	2,473	3,809	3,545	3,785
Business or profession profit less loss	6,160	7,243	8,891	11,900	12,431	30,554	30,554	38,421	55,129	78,773	90,367	4,900	5,443	8,207	7,289	7,289
Sales of capital assets, net gain less loss	7,963	7,576	8,971	11,126	15,580	9,007	9,007	14,072	30,029	67,894	132,842	1,131	1,858	3,012	8,084	8,537
Pensions and annuities in AGI	3,250	6,069	7,374	13,153	14,771	7,879	7,879	20,867	43,340	96,086	107,697	2,434	4,104	5,878	7,241	7,251
Rents and royalties, net income less loss	8,567	7,144	8,208	9,871	9,830	3,233	3,233	5,202	4,105	-12,964	-13,024	483	726	500	1,300	1,364
Partnerships and S Corporations ¹ , profit less loss	(NA)	(NA)	3,910	5,486	5,642	12,638	12,638	12,811	10,008	-12,964	-13,024	(NA)	(NA)	2,563	-450	967
Farm profit less loss	3,027	2,765	2,806	2,821	2,853	2,789	2,789	3,563	-1,792	-12,005	-8,407	921	1,293	-867	-450	2,727
Statutory adjustments, total	6,371	9,094	13,149	37,783	38,331	7,885	7,885	16,102	28,614	95,082	99,246	1,205	1,674	2,176	2,516	2,586
Individual Retirement Arrangements ²	(NA)	1,212	2,584	16,206	15,714	(NA)	(NA)	1,436	3,431	36,212	38,355	(NA)	1,186	1,358	2,556	2,455
Self-employed retirement (Keogh) plan	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Married couples who both work	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Exemptions, total ³	204,128	212,203	227,365	244,160	246,996	127,531	127,531	158,141	227,588	253,720	266,105	625	750	908	1,039	1,079
Age 65 or older	8,004	9,987	11,847	16,748	17,581	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Blind	128	216	185	327	317	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Standard and itemized deductions, total ⁴	73,862	81,586	88,105	96,849	98,535	120,550	120,550	233,182	362,778	554,734	611,416	(NA)	(NA)	(NA)	(NA)	(NA)
Itemized deductions, total ⁵	35,430	26,074	28,950	30,848	40,836	88,178	88,178	122,261	218,028	405,024	445,542	1,632	2,858	4,118	6,728	6,208
Medical and dental expenses	27,438	18,453	18,458	10,777	10,508	10,508	10,508	11,422	14,872	22,926	25,063	2,488	4,888	7,531	10,184	10,834
Taxes paid	35,181	25,929	28,749	39,548	40,805	32,015	32,015	44,141	88,404	128,086	144,705	911	1,702	2,414	3,239	3,554
Interest paid	29,206	23,366	26,877	36,267	37,375	23,929	23,929	38,885	91,187	180,086	194,451	619	1,853	3,418	4,863	5,503
Contributions	33,634	24,843	26,801	38,162	36,858	12,823	12,823	15,383	25,810	47,983	54,454	383	625	970	1,328	1,477
Taxable income	58,594	65,853	66,106	66,124	67,742	401,164	401,164	595,453	1,279,866	1,820,741	1,978,812	6,731	9,043	14,528	16,942	20,225
Income tax before credits	59,597	65,855	70,136	85,994	86,976	84,167	84,167	132,452	258,294	332,185	378,422	1,412	2,011	3,386	3,853	4,351
Tax credits, total ⁶	1,715	65,855	19,974	20,985	17,374	370	370	8,070	7,216	16,246	7,655	216	123	367	486	441
Child care	(NA)	(NA)	4,231	6,418	9,228	(NA)	(NA)	(NA)	(NA)	3,128	3,404	(NA)	(NA)	(NA)	(NA)	(NA)
Elderly and disabled	1,357	785	562	463	468	186	186	129	135	109	174	124	164	220	372	379
Residential energy	(NA)	(NA)	4,670	2,879	118	(NA)	(NA)	(NA)	(NA)	812	47	(NA)	(NA)	240	255	349
Foreign tax	200	234	383	454	485	170	170	362	1,342	783	1,343	860	1,832	3,415	1,725	2,713
General business credit ⁷	(NA)	(NA)	(NA)	4,814	634	(NA)	(NA)	(NA)	(NA)	4,781	1,036	(NA)	(NA)	(NA)	1,036	1,532
Income tax, total ⁸	58,317	61,461	73,808	82,848	84,324	83,808	83,808	124,528	250,341	325,710	377,051	1,416	2,025	3,367	3,832	4,471

NA, Not available. ¹ Represents corporations with no more than 25 shareholders (10 prior to 1983), most of which are individuals seeking to be taxed at the shareholder level. ² Includes items not shown separately. ³ Includes charitable deduction for nonchariters. ⁴ Includes investment credit. ⁵ Includes minimum tax or alternative minimum tax. ⁶ Includes items not shown separately. ⁷ Includes minimum tax or alternative minimum tax. ⁸ Includes items not shown separately.

Source: U.S. Internal Revenue Service, *Statistics of Income, Individual Income Tax Returns*, annual.

NO. 507. INDIVIDUAL INCOME TAX RETURNS—NUMBER, INCOME TAX AND AVERAGE TAX, BY SIZE OF ADJUSTED GROSS INCOME: 1985 AND 1986

(Number in thousands; money amounts in millions of dollars)

SIZE OF ADJUSTED GROSS INCOME	NUMBER OF RETURNS		TOTAL ADJUSTED GROSS INCOME (AGI)		TAXABLE INCOME		INCOME TAX, TOTAL ¹		FILERS WITH INCOME TAX LIABILITY			
	1985	1986, prel.	1985	1986, prel.	1985	1986, prel.	1985	1986, prel.	Average tax (dol.)		Tax as percent of AGI	
									1985	1986, prel.	1985	1986, prel.
Total	191,990	193,300	2,305,951	2,522,517	1,839,741	1,976,812	325,710	377,051	2,931	4,471	14.4	14.9
Less than \$1,000 ²	3,292	2,986	-36,741	-31,992	7	3	186	212	16,964	15,137	(x)	(x)
\$1,000-\$2,999	6,771	6,948	13,581	14,072	5,948	6,093	42	59	111	142	5.4	4
\$3,000-\$4,999	6,865	6,905	26,770	27,834	16,048	16,319	346	325	100	98	2.4	1.2
\$5,000-\$6,999	6,571	6,480	39,357	38,870	26,690	24,835	1,193	1,041	276	248	4.5	2.7
\$7,000-\$8,999	6,864	6,203	53,478	49,804	37,544	33,787	2,280	1,993	460	445	5.7	4.0
\$9,000-\$10,999	6,235	6,166	62,125	61,415	46,036	44,046	3,481	3,222	639	603	6.3	5.2
\$11,000-\$12,999	5,583	5,548	66,863	66,513	51,016	49,812	4,549	4,333	865	833	7.2	6.5
\$13,000-\$14,999	5,387	5,309	75,352	74,069	58,865	57,156	5,789	5,467	1,119	1,073	8.0	7.4
\$15,000-\$16,999	4,865	4,771	76,225	76,279	61,706	59,727	6,534	6,334	1,375	1,361	8.6	8.3
\$17,000-\$18,999	4,543	4,514	81,675	81,217	65,462	64,575	7,482	7,304	1,686	1,645	9.4	9.0
\$19,000-\$21,999	6,069	6,099	124,506	125,032	100,463	99,384	12,203	11,990	2,044	1,991	10.0	9.6
\$22,000-\$24,999	5,051	5,210	116,540	122,220	95,258	96,354	12,275	12,686	2,469	2,454	10.5	10.4
\$25,000-\$29,999	7,456	7,536	204,399	207,522	164,077	165,343	22,917	22,808	3,153	3,042	11.3	11.0
\$30,000-\$39,999	11,636	11,536	402,943	399,682	320,092	315,276	49,794	48,781	8,722	8,249	12.4	12.2
\$40,000-\$49,999	6,702	7,516	297,974	334,721	233,648	261,462	41,502	46,057	6,215	6,136	14.0	13.8
\$50,000-\$74,999	5,629	6,472	333,710	364,277	259,467	297,565	56,065	62,874	9,964	9,732	16.6	16.4
\$75,000-\$99,999	1,263	1,543	107,425	131,616	82,293	100,414	21,795	26,231	17,297	17,029	20.3	19.9
\$100,000-\$199,999	909	1,152	119,200	152,496	90,635	117,869	29,657	38,543	76,424	33,495	25.9	25.3
\$200,000-\$499,999	236	306	66,986	87,234	52,920	68,411	22,033	28,726	199,605	94,001	32.1	32.9
\$500,000-\$999,999	41	57	27,541	37,140	21,270	30,527	9,878	14,397	240,714	254,001	35.9	36.6
\$1,000,000 or more	17	36	40,100	82,275	32,087	66,253	15,728	33,694	910,931	940,434	39.3	41.0

X Not applicable. ¹ Consists of income tax after credits, alternative minimum tax, and minimum tax. ² For many taxpayers in this size class includes minimum tax or alternative tax on tax preferences not included in "taxable income." Includes returns with adjusted gross deficit.

Source: U.S. Internal Revenue Service, *Statistics of Income Bulletin*, Summer 1987, and *Statistics of Income, Individual Income Tax Returns*, annual.

NO. 506. INDIVIDUAL INCOME TAX RETURNS—ITEMIZED DEDUCTIONS AND STATUTORY ADJUSTMENTS, BY SIZE OF ADJUSTED GROSS INCOME: 1986

(Preliminary)

ITEM	Unit	ADJUSTED GROSS INCOME CLASS							
		Total	Under \$10,000	\$10,000 to \$19,999	\$20,000 to \$29,999	\$30,000 to \$39,999	\$40,000 to \$49,999	\$50,000 to \$99,999	\$100,000 and over
Returns with itemized deductions:									
State: Number	1,000	40,839	2,343	6,692	8,439	8,674	6,586	7,593	1,511
Amount	Mill. dol.	446,542	12,401	35,702	59,579	75,635	70,191	116,572	76,462
Medical and dental expenses:									
Returns	1,000	10,566	1,416	3,026	2,566	1,712	953	764	69
Amount	Mill. dol.	25,063	4,684	6,962	4,363	3,110	2,097	2,637	1,010
Taxes paid: Returns, total	1,000	40,605	2,200	5,639	8,425	8,662	6,561	7,587	1,510
State, local income taxes	1,000	33,367	1,211	4,212	7,046	7,446	5,843	6,491	1,316
Real estate taxes	1,000	33,162	1,360	4,196	6,296	7,148	5,791	6,966	1,416
Amount, total	Mill. dol.	144,706	2,272	6,611	17,739	24,399	23,825	40,470	27,589
State, local income taxes	Mill. dol.	72,396	358	2,297	7,245	11,231	11,131	20,463	19,671
Real estate taxes	Mill. dol.	39,631	1,256	3,625	5,367	6,654	6,690	11,025	4,826
Interest paid: Returns	1,000	37,375	1,386	4,936	7,908	8,267	6,346	7,155	1,354
Amount	Mill. dol.	194,451	3,656	15,159	27,491	36,206	33,670	53,672	24,396
Home mortgages interest:									
Returns	1,000	29,161	990	3,374	5,709	6,512	5,358	6,147	1,102
Amount	Mill. dol.	125,722	2,497	9,912	17,906	24,102	22,808	36,985	12,119
Contributions: Returns	1,000	36,858	1,615	4,764	7,510	7,998	6,194	7,340	1,466
Amount	Mill. dol.	54,454	863	3,319	5,949	7,049	6,671	12,409	16,174
Contributions by non-itemizers:									
Returns	1,000	26,186	6,614	11,026	6,406	2,062	724	340	29
Amount	Mill. dol.	13,365	2,488	5,056	3,071	1,461	679	529	61
Returns with statutory adjustments:									
Returns	1,000	38,231	2,103	5,966	8,331	7,750	5,960	6,833	1,346
Amount of adjustments	Mill. dol.	99,246	2,924	8,170	14,306	16,517	16,119	30,109	11,101
Payments to IRA's: ³ Returns	1,000	15,714	606	1,780	2,717	2,677	2,524	4,118	1,089
Amount	Mill. dol.	38,256	1,006	3,276	5,386	6,474	6,389	12,353	3,411
Payments to Keogh plans:									
Returns	1,000	772	9	63	61	106	60	273	171
Amount	Mill. dol.	6,178	39	112	195	341	307	1,847	3,399

¹ Also includes disability income exclusion, employee business expenses, moving expenses, forfeited interest penalty, alimony paid, deduction for expense of living abroad, and other data not shown separately. ² Individual Retirement Accounts.

Source: U.S. Internal Revenue Service, *Statistics of Income, Individual Income Tax Returns*, annual.

NO. 509. FEDERAL INDIVIDUAL INCOME TAX RETURNS—ADJUSTED GROSS INCOME, BY SOURCE OF INCOME AND INCOME CLASS FOR TAXABLE RETURNS: 1986

(In millions of dollars, except percent. Preliminary. Minus sign (-) indicates net loss was greater than net income. See headnote, table 506)

ITEM	Total ¹	Under \$10,000	\$10,000 to \$19,999	\$20,000 to \$29,999	\$30,000 to \$39,999	\$40,000 to \$49,999	\$50,000 to \$99,999	\$100,000 and over
Number of returns (1,000)	84,324	15,073	24,068	16,657	11,480	7,506	6,001	1,549
SOURCE OF INCOME								
Adjusted gross income (AGI)	2,472,676	100,561	355,176	411,349	397,738	334,314	514,963	358,576
Salaries and wages	1,978,635	79,834	285,299	364,063	355,956	298,166	432,310	172,204
Percent of AGI for taxable returns	79.9	79.2	80.3	88.1	89.5	89.2	83.9	48.0
Interest received	155,392	13,177	29,823	23,599	17,755	15,263	29,435	26,341
Dividends in AGI	60,482	1,840	5,130	5,566	4,407	4,841	12,658	26,220
Business and profession, net profit less loss	90,329	2,721	10,267	12,699	10,532	9,544	24,662	19,805
Pensions and annuities in AGI	102,105	8,067	26,068	20,737	13,941	12,625	17,563	5,105
Sales of property ² net gain less loss	134,401	2,429	3,181	4,253	4,958	5,176	18,442	95,974
Rents and royalties, net income less loss	8,897	-321	-212	-2,832	-2,377	-2,298	-2,966	1,879
Other sources, ³ net	37,771	3,808	-4,350	-8,985	7,434	-9,065	17,101	10,848
PERCENTAGE OF ALL RETURNS								
Number of returns	81.8	14.8	23.3	16.1	11.1	7.3	7.7	1.6
Adjusted gross income	96.0	4.0	14.1	16.3	15.8	13.3	20.5	14.2
Salaries and wages	95.8	3.8	13.9	17.3	17.4	14.6	21.1	8.4
Interest received	92.4	7.8	17.7	14.0	10.6	9.1	17.5	15.7
Dividends in AGI	95.9	2.6	6.1	6.9	7.0	7.7	20.1	41.6
Business and profession, net profit less loss	96.9	3.0	11.4	14.1	11.7	10.6	27.3	22.0
Pensions and annuities in AGI	94.1	5.8	24.0	19.1	12.8	11.6	16.2	4.7
Sales of property ² net gain less loss	97.8	1.8	2.3	3.1	3.6	3.8	13.4	69.9

¹ Includes a small number of taxable returns with no adjusted gross income. ² Includes sales of capital assets and other property \$2,293 million in 1986. ³ Includes statutory adjustments of \$99,246 million in 1986.

Source: U.S. Internal Revenue Service, *Statistics of Income, Individual Income Tax Returns, 1986*.

NO. 510. FEDERAL INDIVIDUAL INCOME TAX RETURNS, INCOME, AND TAXES, 1970 TO 1986, AND BY STATE, 1986

YEAR, DIVISION AND STATE	Number of returns ¹ (1,000)	ADJUSTED GROSS INCOME (AGI) ²		INCOME TAX		DIVISION AND STATE	Number of returns ¹ (1,000)	ADJUSTED GROSS INCOME (AGI) ²		INCOME TAX	
		Total (mil. dol.)	Per cap-ita ³ (dol.)	Total ⁴ (mil. dol.)	Per cap-ita ³ (dol.)			Total (mil. dol.)	Per cap-ita ³ (dol.)	Total ⁴ (mil. dol.)	Per cap-ita ³ (dol.)
1970	74,278	631,828	3,096	82,660	408	SA:					
1975	82,229	947,785	4,399	124,526	576	DE	291	7,265	11,509	1,112	1,757
1979	92,894	1,485,395	6,525	214,495	955	MD	2,127	57,492	12,862	8,710	1,852
1980	93,902	1,613,731	7,180	250,341	1,102	DC	325	8,278	13,224	1,396	2,233
1981	95,396	1,772,604	7,719	264,129	1,237	VA	2,584	65,736	11,360	9,652	1,702
1982	95,337	1,852,135	7,963	227,597	1,197	WV	664	13,553	7,065	1,646	982
1983	99,419	2,134,030	9,109	314,564	1,343	NC	2,710	57,577	9,092	7,933	1,253
1984	99,439	2,139,904	9,049	301,823	1,277	SC	1,347	27,775	8,225	3,651	1,081
1985	102,037	2,289,333	9,589	336,838	1,410	GA	2,548	58,844	9,807	8,597	1,408
1986	103,834	2,472,660	10,256	360,563	1,679	FL	5,301	123,771	10,601	20,901	1,790
M. Eng.						E.S.C.:					
ME	512	10,633	9,065	1,489	1,269	KY	1,382	27,061	7,498	3,933	1,055
NH	505	13,080	12,736	2,190	2,132	TN	1,968	41,071	8,551	6,072	1,284
VT	237	5,073	9,377	729	1,348	AL	1,537	22,055	7,911	4,422	1,091
MA	2,801	74,562	12,785	12,393	2,123	MS	916	18,395	6,246	2,101	800
RI	447	10,444	10,712	1,580	1,621	W.S.C.:					
CT	1,593	47,914	15,025	8,736	2,739	AR	863	16,574	6,967	2,206	930
Md. Atl.						LA	1,806	32,911	7,290	4,777	1,081
NY	7,859	209,808	11,806	34,044	1,916	OK	1,244	26,126	7,906	3,738	1,131
NJ	3,809	106,177	14,198	18,336	2,407	TX	6,642	152,612	9,159	25,078	1,503
PA	5,142	116,983	9,840	17,701	1,489	NL:					
E.N.C.:						MT	331	5,748	7,016	785	958
OH	4,580	105,307	9,794	15,332	1,426	ID	366	6,977	6,963	901	899
IN	2,308	51,454	9,348	7,595	1,380	WY	196	4,273	8,428	659	1,300
IL	4,957	123,481	10,689	20,194	1,748	CO	1,431	34,123	10,445	5,074	1,563
MI	3,887	97,549	10,667	14,921	1,632	NM	595	11,589	7,836	1,561	1,055
WI	2,035	44,928	9,389	6,168	1,289	AZ	1,395	32,189	9,896	4,600	1,396
W.N.C.:						UT	598	13,264	7,986	1,633	981
MN	1,825	43,702	10,371	6,309	1,497	NV	466	11,212	11,643	1,655	1,926
IA	1,152	23,099	8,102	3,229	1,133	Pac.:					
MO	2,126	48,181	9,511	7,378	1,456	WA	1,847	46,153	10,344	7,012	1,571
ND	273	5,176	7,623	744	1,096	OR	1,139	24,356	9,028	3,325	1,232
SD	285	4,612	6,797	679	959	CA	12,025	311,610	11,567	47,690	1,768
NE	669	13,552	8,481	1,955	1,223	AK	231	6,496	12,165	1,068	2,037
KS	1,029	23,142	9,407	3,492	1,420	HI	486	10,959	10,319	1,517	1,426
						Other ⁵	520	6,436	(NA)	1,355	(NA)

NA Not available. ¹ Beginning 1983, includes returns filed by nonresident aliens and certain self-employment tax returns.

² Less deficit. ³ Based on resident population as of July 1.

⁴ Includes additional tax for tax preferences, self-employment tax, and recomputed prior-year taxes before earned income credit. ⁵ Returns with addresses outside the United States. Includes data from tax returns of nonresident aliens.

Source: U.S. Internal Revenue Service, *Statistics of Income Bulletin*, Winter 1987-88.

NO. 511. FEDERAL INDIVIDUAL INCOME TAX—EFFECTIVE (AVERAGE) AND MARGINAL TAX RATES, FOR SELECTED INCOME GROUPS: 1964 TO 1965

Refers to income after exclusions. Effective rate represents tax liability divided by stated income. The marginal tax rate is the percentage of the first additional dollar of income which would be paid in income tax. Computations assume the low income allowance, standard deduction, zero bracket amount, or married deduction equal to 10 percent of adjusted gross income, whichever is greatest. Excludes self-employment tax. See *Historical Statistics, Colonial Times to 1975*, series Y 412-438, for similar data based on net income.

ADJUSTED GROSS INCOME ¹	TAX LIABILITY					EFFECTIVE RATE (percent)					MARGINAL TAX RATE (percent)				
	1964-1965	1966	1970 ²	1975	1979-1980 ³	1984	1985	1986-1987	1988	1989	1990	1991	1992	1993	1994
CURRENT DOLLARS															
Single person, no dependents:															
\$5,000	818	671	663	404	250	163	177	18.4	13.4	13.7	8.1	5.0	3.9	3.5	12
\$10,000	2,066	1,742	1,726	1,478	1,177	915	866	21.0	17.4	17.3	14.8	11.8	8.2	8.9	16
\$20,000	6,800	4,918	4,405	4,123	3,837	2,945	2,845	29.5	24.8	22.0	20.8	19.2	14.7	14.3	26
\$25,000	8,324	6,962	6,091	5,805	5,464	4,205	4,125	33.3	27.9	24.4	23.5	21.9	16.8	16.5	28
\$35,000	13,778	11,827	10,028	9,695	9,194	7,065	6,915	39.4	33.2	28.7	27.7	26.3	20.2	19.9	34
\$50,000	22,769	19,230	17,235	16,710	16,032	12,335	12,067	45.6	36.5	34.5	33.4	32.1	24.7	24.1	42
\$75,000	36,702	33,308	31,560	30,680	29,487	22,595	22,195	52.9	44.3	42.1	40.8	39.3	30.1	29.8	48
Married couple, 2 dependents:⁴															
\$5,000	420	290	290	1-300	1-500	1-550	5.8	5.8	5.8	5.8	8.0	10.0	10.0	11.0	-
\$10,000	1,372	1,114	1,112	706	374	291	132	13.7	11.1	11.2	7.1	3.7	2.9	1.3	12
\$20,000	3,800	3,180	3,213	2,740	2,295	1,741	1,682	19.0	15.8	16.1	13.7	11.3	8.7	8.4	24
\$25,000	5,318	4,412	4,490	4,062	3,497	2,873	2,566	21.3	17.8	18.0	16.4	14.0	10.7	10.3	26
\$35,000	9,037	7,529	7,877	7,175	6,571	5,070	4,916	25.8	21.5	21.9	20.5	18.8	14.5	14.0	34
\$50,000	16,976	13,368	13,674	12,980	12,118	9,310	9,086	32.0	26.8	27.3	26.0	24.2	18.6	18.2	42
\$75,000	29,636	25,025	25,594	24,575	23,404	18,098	17,649	39.5	33.4	34.1	32.8	31.2	24.1	23.5	48
CONSTANT (1980) DOLLARS⁵															
Single person, no dependents:															
\$5,000	2,010	2,585	3,498	4,538	5,000	6,160	6,363	12.0	7.5	4.0	3.9	5.0	5.5	6.8	14
\$10,000	4,019	5,170	6,998	9,902	10,000	12,320	12,705	15.5	13.8	11.4	10.9	11.8	10.5	10.5	18
\$20,000	6,038	10,341	13,997	18,144	20,000	24,639	25,411	19.3	17.0	16.7	17.9	19.2	16.7	16.6	26
\$25,000	10,048	12,926	17,498	22,880	25,000	30,798	31,764	21.0	18.7	19.0	20.9	21.9	18.8	18.7	28
\$35,000	14,087	18,097	24,494	31,752	35,000	43,119	44,469	24.4	21.1	23.2	24.9	26.3	22.7	22.8	34
\$50,000	20,095	25,852	34,982	45,361	50,000	61,568	63,527	29.6	24.8	27.7	30.0	32.1	27.3	27.1	42
\$75,000	30,143	38,779	52,487	66,041	75,000	92,398	95,291	36.7	30.2	34.4	37.5	39.1	32.6	32.5	48
Married couple, 2 dependents:⁴															
\$5,000	2,010	2,585	3,498	4,538	5,000	6,160	6,363	-	-	-	-	-	-	-	-
\$10,000	4,019	5,170	6,998	9,902	10,000	12,320	12,705	6.1	5.8	4.2	4.1	3.7	4.7	4.7	14
\$20,000	6,038	10,341	13,997	18,144	20,000	24,639	25,411	12.2	11.4	10.2	10.3	11.3	10.5	10.4	22
\$25,000	10,048	12,926	17,498	22,880	25,000	30,798	31,764	13.7	12.6	12.1	12.8	14.0	13.0	12.9	26
\$35,000	14,087	18,097	24,494	31,752	35,000	43,119	44,469	16.1	15.3	16.1	17.4	18.8	16.9	16.7	34
\$50,000	20,095	25,852	34,982	45,361	50,000	61,568	63,527	19.0	18.3	20.5	22.8	24.2	21.4	21.3	42
\$75,000	30,143	38,779	52,487	66,041	75,000	92,398	95,291	23.6	23.3	26.8	29.4	31.2	26.7	26.6	48

¹ Represents zero. ² See *Headnote, table 505*. ³ Includes tax surcharge. ⁴ 1981 tax liability and tax rates are 98.75 percent of the 1980 rates. ⁵ Only one spouse is assumed to work. ⁶ Refundable earned income credit. ⁷ Amount of adjusted gross income equivalent to adjusted gross income in 1980 dollars was calculated by using the RPA personal consumption expenditure deflator (1972=100). The values of the deflators are: 1980, 71.9; 1970, 82.5; 1975, 125.3; 1979, 162.3; 1980, 178.9; 1984, 220.4; and 1985, 227.3 (estimated).

Source: U.S. Dept. of the Treasury, unpublished data.

NO. 512. FEDERAL CIVILIAN EMPLOYMENT, BY BRANCH, AGENCY, AND AREA: 1960 AND 1967

(As of September 30)

AGENCY	TOTAL			UNITED STATES			WASHINGTON, DC METROPOLITAN AREA (MSA)		
	1960	1967	Per- cent change 1960- 1967	1960	1967	Per- cent change 1960- 1967	1960	1967	Per- cent change 1960- 1967
Total, all agencies	2,875,868	3,080,868	7.5	2,782,770	2,942,845	6.9	368,482	350,468	- 2.8
Legislative branch, total¹	39,710	37,818	-4.8	39,625	37,885	-4.5	37,141	35,488	-4.4
Congress ¹	19,096	19,394	1.4	19,096	19,394	1.4	19,096	19,394	1.4
U.S. Senate	7,195	7,311	1.6	7,195	7,311	1.6	7,195	7,311	1.6
House of Representatives	11,888	12,038	1.3	11,888	12,038	1.3	11,888	12,038	1.3
Architect of the Capitol	2,186	2,157	-1.3	2,186	2,157	-1.3	2,186	2,157	-1.3
Judicial branch	15,178	20,244	33.4	14,987	20,019	33.4	1,814	1,790	-1.3
Supreme Court	331	342	3.3	331	342	3.3	331	342	3.3
U.S. Courts	14,847	19,902	34.0	14,656	19,671	34.1	1,483	1,448	-2.3
Executive branch, total	2,820,978	3,032,537	7.5	2,699,148	2,895,177	6.9	321,887	312,111	-2.7
Executive Office of the President ¹	1,888	1,553	-17.7	1,679	1,545	-17.8	1,679	1,545	-17.8
White House Office	406	398	-2.0	406	398	-2.0	406	398	-2.0
Office of the Vice-President	16	24	50.0	16	24	50.0	16	24	50.0
Office of Management and Budget	616	550	-10.7	616	550	-10.7	616	550	-10.7
Office of Administration	188	183	-2.7	188	183	-2.7	188	183	-2.7
Council of Economic Advisors	35	30	-14.3	35	30	-14.3	35	30	-14.3
Executive departments	1,718,970	1,808,101	5.2	1,618,621	1,681,653	3.9	233,030	229,872	-1.4
State	23,487	25,483	8.5	23,487	25,483	8.5	23,487	25,483	8.5
Treasury	124,683	149,187	19.7	123,648	148,134	19.8	17,988	19,508	8.4
Defense	880,118	1,090,018	23.9	883,488	1,089,078	23.7	78,311	88,573	13.1
Justice	56,327	70,896	25.7	55,457	69,808	25.7	16,033	18,522	15.5
Interior	77,357	78,719	1.7	77,031	78,386	1.7	10,284	9,034	-12.2
Agriculture	129,139	118,993	-7.8	127,837	116,520	-9.5	13,565	12,128	-10.6
Commerce	48,583	34,826	-28.3	47,836	34,077	-28.3	20,400	18,187	-11.0
Labor	83,400	17,978	-78.2	83,299	17,934	-78.2	7,934	6,172	-22.2
Health and Human Services	155,682	127,039	-18.4	154,715	126,265	-18.4	33,251	29,304	-11.9
Housing and Urban Development	18,984	13,033	-31.4	18,790	12,891	-31.4	4,805	3,252	-32.3
Transportation	72,381	62,488	-13.7	71,836	61,982	-13.7	10,486	8,502	-18.8
Energy	21,557	16,749	-22.3	21,549	16,744	-22.3	8,448	5,851	-30.7
Education	7,384	4,804	-34.7	7,383	4,800	-34.7	4,800	3,383	-29.5
Independent agencies¹	1,102,122	1,224,883	11.1	1,078,848	1,201,879	11.4	86,788	81,884	-5.6
Environmental Protection Agency	14,718	15,173	3.1	14,700	15,166	3.1	5,228	5,078	-2.8
Equal Employment Opportunity Commission	3,515	3,278	-6.7	3,515	3,278	-6.7	876	810	-7.6
Federal Deposit Insurance Corporation	3,820	9,218	141.3	3,463	8,188	138.5	1,088	1,136	4.4
Fed. Emergency Mgmt. Agency	3,427	2,700	-21.2	3,410	2,694	-21.0	1,587	1,248	-22.0
General Services Administration	37,654	21,878	-42.0	37,648	21,774	-42.0	12,853	8,080	-37.0
National Aeronautics and Space Administration	23,714	22,960	-3.2	23,692	22,943	-3.2	5,086	4,868	-4.3
Nuclear Regulatory Commission	3,283	3,428	4.4	3,283	3,428	4.4	2,546	2,248	-11.7
Office of Personnel Management	6,380	6,078	-4.7	6,380	6,047	-4.7	3,472	2,438	-29.8
Small Business Administration	6,804	4,848	-29.5	6,804	4,747	-29.5	1,074	1,382	28.7
Smithsonian Institution	4,408	5,028	14.0	4,301	4,818	12.0	4,085	4,084	-0.0
Tennessee Valley Authority	51,714	32,738	-36.7	51,710	32,738	-36.7	15	14	-6.7
U.S. Information Agency ²	8,136	8,908	9.5	3,317	4,607	38.9	3,080	4,122	34.2
U.S. International Development Co-operation Agency	6,152	4,803	-21.8	2,740	2,321	-15.3	2,721	2,310	-15.1
U.S. Postal Service	680,014	767,851	12.8	657,138	794,535	20.9	17,372	20,142	15.9
Veterans Administration	228,286	250,013	9.5	225,865	247,314	9.5	8,498	8,504	.1

NA Not available. X Not applicable. ¹ Includes other branches, or other agencies, not shown separately. ² Formerly International Communications Agency.

Source: U.S. Office of Personnel Management, *Federal Civilian Workforce Statistics—Employment and Trends*, bi-monthly.

NO. 513. FEDERAL WHITE-COLLAR CIVILIAN EMPLOYMENT, BY SEX AND GRADE: 1970 TO 1987

(1970-1988, as of Oct. 31; thereafter as of Sept. 30. Represents full-time white-collar employment)

GRADE ¹	TOTAL (1,000)					PERCENT FEMALE				
	1970	1980	1983	1986	1987	1970	1980	1983	1986	1987
Total employment²	1,885	2,008	2,098	2,188	2,203	39.1	38.8	48.2	47.4	48.2
General Schedule and equivalent pay system	1,258	1,473	1,484	1,581	1,585	40.3	45.1	46.5	47.7	48.4
Grades 1-6 (\$9,619-\$21,480)	521	561	541	583	549	72.2	74.1	74.6	74.9	74.9
Grades 7-10 (\$18,358-\$32,148)	302	357	380	377	389	33.4	48.3	48.8	50.9	51.4
Grades 11-12 (\$27,172-\$42,341)	264	336	362	386	407	8.5	19.3	24.2	27.5	30.0
Grades 13-15 (\$38,727-\$89,978)	164	217	220	231	239	8.0	8.2	10.3	12.1	14.2
Grades 16-18 (\$63,135-\$72,500) ³	8	3	1	1	1	1.4	4.4	5.8	9.1	8.9

¹ Pay ranges shown for General Schedule grades are as of January 1, 1987. ² Includes U.S. Postal Service, and other systems not shown separately. ³ Beginning 1980, change in number reflects shift of senior level employees to Senior Executive Service.

Source: U.S. Office of Personnel Management, *Occupations of Federal White-Collar and Blue-Collar Workers*, biennial, and *The Pay Structure of the Federal Civil Service*, annual.

NO. 514. FEDERAL CIVILIAN EMPLOYMENT AND ANNUAL PAYROLL, BY BRANCH: 1970 TO 1987

(Annual employment. For fiscal year ending in year shown; see text, section 8. Includes employees in U.S. territories and in foreign countries. Data represent employees in active-duty status, including seasonal employees. Annual employment figures are averages of monthly figures. Excludes Central Intelligence Agency, National Security Agency, and as of November 1984, the Defense Intelligence Agency. See also Historical Statistics, Colonial Times to 1957, tables Y 305-317.)

YEAR	EMPLOYMENT						PAYROLL				
	Total ¹ (1,000)	Percent of U.S. employed ²	Executive		Legis- lative (1,000)	Judicial (1,000)	Total ³ (mil. doll.)	Executive		Legis- lative (mil. doll.)	Jud- icial (mil. doll.)
			Total ⁴ (1,000)	Defense (1,000)				Total ⁴ (mil. doll.)	Defense (mil. doll.)		
1970	2,525	2.7	2,501	1,105	39	7	25,502	25,117	11,552	305	92
1975	2,662	2.4	2,634	1,088	37	10	49,889	39,944	14,398	349	105
1979	2,675	2.5	2,652	1,057	40	13	49,321	40,000	15,005	771	201
1979	2,657	2.5	2,644	970	40	13	52,500	52,513	15,005	617	200
1980	2,657	2.5	2,652	972	40	14	52,912	52,941	15,234	300	205
1981	2,616	2.5	2,605	980	40	15	52,702	52,510	21,327	952	200
1982	2,671	2.5	2,676	1,010	39	16	55,300	54,125	22,205	900	200
1983	2,678	2.5	2,688	1,000	39	16	55,376	55,439	23,405	1,013	445
1984	2,695	2.5	2,679	1,000	40	17	74,537	72,005	25,239	1,001	451
1985	3,001	2.5	2,944	1,000	39	16	62,445	75,049	28,219	1,007	500
1986	3,047	2.5	2,938	1,000	39	16	65,300	59,941	29,272	1,112	546
1987	3,075	2.7	3,018	1,004	38	16	65,543	62,707	29,705	1,100	593

¹ Includes Postal Service Overseas help.

² Civilian only. See table 522.

³ Includes 32,000 temporary contract workers.

⁴ Includes 4,575 temporary contract workers.

Source: U.S. Office of Personnel Management, Federal Civilian Workforce Statistics, Employment and Trends, biweekly. Quarterly the Monthly Release of Federal Civilian Workforce Statistics, and unpublished data.

NO. 515. FEDERAL CIVILIAN EMPLOYMENT—SUMMARY: 1970 TO 1987

(In thousands. As of Dec. 31. Excludes U.S. Territories and foreign countries, Central Intelligence Agency, National Security Agency, and the Defense Intelligence Agency. Partially estimated.)

CHARACTERISTIC OF EMPLOYMENT	UNITED STATES								WASHINGTON, DC ¹				
	1970	1975	1980	1983	1984	1985	1986	1987	1970	1980	1985	1986	1987
Total employment	2,646	2,741	2,772	2,754	2,834	2,902	2,916	2,872	316	305	303	344	351
Male	1,531	1,585	1,700	1,680	1,694	1,769	1,785	1,813	180	202	191	198	195
Female	714	845	882	1,074	1,130	1,133	1,130	1,159	136	104	102	156	156
Full-time	2,516	2,488	2,504	2,487	2,537	2,588	2,575	2,551	308	342	335	327	334
Other	129	245	268	257	297	313	320	321	8	24	18	17	17
Competitive service ²	2,380	1,714	1,802	1,885	1,888	1,710	1,579	1,734	282	256	246	239	242
Temporary ³	112	60	75	70	68	62	72	65	11	11	11	8	11
Excepted and Senior Executive Service (SES) ⁴	252	1,027	1,080	1,089	1,126	1,181	1,217	1,248	54	107	100	105	100
Permanent	194	869	917	939	969	1,015	1,035	1,057	39	79	88	73	74
Other	58	154	163	143	156	176	182	182	15	27	35	32	24
White-collar ⁵	2,113	2,256	2,314	2,319	2,383	2,478	2,480	2,508	279	304	307	319	327
Blue-collar ⁵	533	485	458	435	451	424	435	434	29	32	30	25	24

¹ Through June 30, 1983, represents SHADA; thereafter, NSA. ² In 1971, under Postal Reorganization Act of 1970, U.S. Postal Service employees were changed from competitive service to excepted service. ³ Includes "Indefinite." ⁴ Excepted from competitive requirements of Civil Service Act. Prior to 1983 SES was not included in total.

⁵ Through 1982, based on full-time employment; beginning 1983, based on total workforce.

Source: U.S. Office of Personnel Management, Federal Civilian Workforce Statistics, Employment and Trends, biweekly. Quarterly the Monthly Release of Federal Civilian Workforce Statistics, and unpublished data.

NO. 516. ACCESSIONS TO AND SEPARATIONS FROM PAID CIVILIAN EMPLOYMENT IN THE FEDERAL GOVERNMENT: 1970 TO 1986

(In thousands, except rate. For fiscal year ending in year shown, except as noted; see text, section 8. Includes accessions and separations of part-time and intermittent employees.)

ITEM	UNITED STATES							WASHINGTON, DC ¹				
	1970	1975	1980	1985	1986	1987	Oct. 1987-March 1988	1970	1980	1985	1986	Oct. 1987-March 1988
Accessions, total	727.5	584.2	585.2	602.1	585.7	637.8	302.4	94.1	62.4	67.5	64.2	39.7
Monthly rate ²	2.2	1.7	2.0	2.0	1.7	1.9	1.7	2.3	1.6	1.4	1.6	1.3
Separations, total	706.7	586.9	1,004.0	956.8	957.5	938.7	772.1	89.2	67.8	90.7	95.4	26.2
Monthly rate ²	2.4	1.8	3.0	2.7	2.8	2.8	2.3	2.3	1.5	1.4	1.4	0.8
Quit ³	304.4	212.5	227.7	238.6	228.7	206.1	89.8	22.9	25.2	20.2	24.3	8.1

¹ See footnote 1, table 515.

² Per 100 employees.

³ Represents voluntary resignations by employees or separations by agency if employee declines new assignment, abandons position, joins military, or fails to return from military furlough.

Source: U.S. Office of Personnel Management, Federal Civilian Workforce Statistics, Employment and Trends, biweekly. Quarterly the Monthly Release of Federal Civilian Workforce Statistics.

NO. 517. PAID CIVILIAN EMPLOYMENT IN THE FEDERAL GOVERNMENT 1960 TO 1966, AND BY STATE, 1966

(As of December 31. Excludes members and employees of Congress, Central Intelligence Agency, temporary Christmas help of the U.S. Postal Service, and National Security Agency)

YEAR, DIVISION, AND STATE	Total (1,000)	Per- cent de- fense	Rate per 10,000 popula- tion ¹	DIVISION AND STATE	Total (1,000)	Per- cent de- fense	Rate per 10,000 popula- tion ¹
1960.....	2,215	42.1	123.4	South Atlantic—Con.			
1970.....	2,665	37.6	131.1	District of Columbia.....	306	8.3	3,292.7
1980.....	2,669	32.2	117.4	Virginia.....	196	67.9	206.9
1982.....	2,734	34.3	117.3	West Virginia.....	15	13.3	73.2
1984.....	2,771	34.3	117.2	North Carolina.....	46	35.6	71.1
1986, total ²	2,962	39.6	118.7	South Carolina.....	32	62.6	94.6
New England.....	121	36.1	95.0	Georgia.....	66	46.6	140.0
Maine.....	17	58.6	144.0	Florida.....	101	31.7	93.6
New Hampshire.....	7	26.6	66.2	East South Central.....	174	33.6	114.4
Vermont.....	6	20.0	52.4	Kentucky.....	33	42.4	96.6
Massachusetts.....	59	30.3	101.2	Tennessee.....	66	12.1	120.6
Rhode Island.....	10	40.0	102.6	Alabama.....	66	45.6	145.6
Connecticut.....	29	21.7	72.1	Mississippi.....	34	45.6	91.4
Middle Atlantic.....	361	36.6	96.6	West South Central.....	372	36.6	161.3
New York.....	166	12.6	67.6	Arkansas.....	19	26.3	60.1
New Jersey.....	74	36.6	97.1	Louisiana.....	23	27.3	73.3
Pennsylvania.....	131	41.2	110.2	Oklahoma.....	46	64.2	145.2
East North Central.....	319	27.3	76.4	Texas.....	172	37.6	108.1
Ohio.....	90	37.6	62.7	Mountain.....	167	32.6	146.6
Indiana.....	41	36.6	74.6	Montana.....	11	6.1	134.3
Illinois.....	104	21.2	60.0	Idaho.....	10	10.0	66.6
Michigan.....	57	22.6	62.6	Wyoming.....	6	16.7	116.3
Wisconsin.....	27	11.1	66.4	Colorado.....	62	26.6	166.2
West North Central.....	172	22.7	67.6	New Mexico.....	26	36.6	175.6
Minnesota.....	31	6.7	73.6	Arizona.....	36	30.6	106.6
Iowa.....	16	6.6	66.1	Utah.....	36	65.6	216.2
Missouri.....	67	31.3	132.3	Nevada.....	10	20.0	106.6
North Dakota.....	6	35.0	117.6	Pacific.....	446	46.1	164.6
South Dakota.....	6	11.1	127.1	Washington.....	63	46.0	141.2
Nebraska.....	16	26.7	66.6	Oregon.....	27	11.1	100.1
Kansas.....	24	26.2	67.6	California.....	314	42.7	116.4
South Atlantic.....	776	36.7	106.4	Alaska.....	14	35.7	362.2
Delaware.....	6	40.0	76.0	Hawaii.....	27	77.6	254.2
Maryland.....	129	32.6	260.0				

¹ For 1960-1960, based on April 1 enumerated population; other years based on July 1 estimated resident population. ² Preliminary. Includes employees not specified by State.

Source: U.S. Office of Personnel Management, *Statistical Report of Employment by Geographic Area*.

NO. 518. PAID FULL-TIME CIVILIAN EMPLOYMENT IN THE FEDERAL GOVERNMENT, ALL AREAS: 1966 TO 1967

(As of March 31. Excludes employees of Congress and Federal courts, maritime seamen of Dept. of Commerce, and small number for whom rates were not reported. See last, section 10 for explanation of general schedule and wage system. See also *Historical Statistics, Colonial Times to 1970*, series Y 518-561)

COMPENSATION AUTHORITY	EMPLOYEES (1,000)						AVERAGE PAY (\$101)					
	1966	1966	1966	1966	1966	1967	1966	1966	1966	1966	1966	1967
Total.....	2,667	2,466	2,666	2,666	2,616	2,666	19,447	19,474	25,211	26,136	26,666	27,426
General schedule.....	1,402	1,366	1,407	1,460	1,466	1,466	17,266	14,176	25,262	26,166	26,274	27,421
Wage system.....	456	430	420	416	406	411	17,644	21,600	22,266	22,266	22,637	24,422
Postal pay system ¹	636	647	661	666	666	633	20,076	24,612	25,604	26,666	26,744	26,626
Other.....	113	126	122	136	136	143	20,344	21,644	26,466	24,413	24,614	26,666

¹ Excludes postal pay system. ² Source: U.S. Postal Service, *National Payroll Hours*, annual.

Source: Except as noted, U.S. Office of Personnel Management, *Pay Structure of the Federal Civil Service*, annual.

NO. 519. FEDERAL GENERAL SCHEDULE EMPLOYEE PAY INCREASES: 1966 TO 1966

(Percent change from prior year shown, except 1966, change from 1964. Represents legislated pay increases. For some years data based on range; for details see source)

EFFECTIVE DATE	Average Increase	EFFECTIVE DATE	Average Increase	EFFECTIVE DATE	Average Increase
Oct. 1, 1966.....	3.6	Oct. 1, 1972.....	5.1	Oct. 1, 1980.....	6.1
July 1, 1966.....	2.9	Oct. 1, 1973.....	4.6	Oct. 1, 1981.....	4.6
Oct. 1, 1967.....	4.6	Oct. 1, 1974.....	5.6	Oct. 1, 1982.....	4.0
July 1, 1966.....	4.6	Oct. 1, 1975.....	6.0	Jan. 1, 1984.....	4.6
July 1, 1966.....	6.1	Oct. 1, 1976.....	5.2	Jan. 1, 1985.....	3.6
Dec. 27, 1966.....	6.6	Oct. 1, 1977.....	7.0	Jan. 1, 1986.....	-
Jan. 1, 1971.....	6.6	Oct. 1, 1978.....	5.5	Jan. 1, 1987.....	3.6
Jan. 1, 1972.....	6.6	Oct. 1, 1979.....	7.0	Jan. 1, 1988.....	2.6

- Represents zero.

Source: U.S. Office of Personnel Management, *Pay Structure of the Federal Civil Service*, annual.

NO. 520. FEDERAL PAID CIVILIAN EMPLOYMENT, BY AGENCY: 1970 TO 1987

[As of end of fiscal year; see text, section 8. See headnote, table 514. Includes U.S. outlying areas and foreign countries. See also *Historical Statistics, Colonial Times to 1970*, series Y 308-317]

AGENCY	1970	1975	1980	1985	1984	1986	1988	1987
All agencies.....	2,921,909	2,896,944	2,876,896	2,876,896	2,934,285	2,929,631	2,922,139	2,999,999
Legislative branch.....	30,715	38,531	30,710	39,143	36,832	39,764	36,490	37,918
Judicial branch.....	6,887	10,399	15,178	16,626	17,247	18,225	18,966	20,244
Executive branch ²	2,894,307	2,848,014	2,820,978	2,820,494	2,878,178	2,963,542	2,966,773	3,032,537
Executive Office of the President.....	4,742	1,918	1,866	1,621	1,585	1,526	1,402	1,553
Executive departments.....	1,812,572	1,736,872	1,716,970	1,739,153	1,753,336	1,769,270	1,761,544	1,806,101
Agriculture.....	116,012	120,999	129,139	123,967	118,809	117,750	113,147	116,993
Commerce.....	³ 57,674	36,228	³ 46,563	35,576	35,271	35,150	34,997	34,826
Census Bureau.....	(NA)	(NA)	³ 19,925	8,461	8,270	8,633	8,809	9,063
Defense.....	1,193,784	1,041,829	980,116	1,026,461	1,043,764	1,084,549	1,067,974	1,080,018
Education ⁴	(X)	(X)	7,364	5,288	5,343	4,969	4,554	4,894
Energy ⁵	(X)	(X)	21,557	17,229	16,976	16,740	16,657	16,749
Health and Human Services ⁴	108,044	147,125	155,662	147,162	144,240	140,161	133,642	127,039
Social Security Admin.....	(NA)	(NA)	84,272	86,052	84,832	82,967	77,823	70,763
Housing and Urban Development ⁶	15,190	17,181	16,964	12,996	12,363	12,269	11,843	13,093
Interior.....	73,961	80,196	77,357	79,582	78,661	77,465	73,980	76,719
Justice.....	39,257	51,541	56,327	58,869	61,886	64,433	65,529	70,696
Labor.....	10,991	14,834	23,400	19,063	18,320	18,260	17,487	17,976
State.....	39,783	30,376	23,497	23,961	24,706	25,254	26,925	25,463
Transportation.....	65,965	75,036	72,361	62,959	62,781	62,227	61,261	62,486
Treasury.....	92,521	121,549	124,663	126,020	130,084	130,084	135,626	140,167
Internal Revenue Service.....	(NA)	(NA)	85,961	89,657	94,642	94,996	100,460	111,241
Independent agencies:								
Environmental Protection Agency.....	(X)	10,772	14,715	11,931	13,048	13,769	14,021	15,178
National Aeronautics and Space Administration.....	32,548	26,447	23,714	22,784	22,085	22,562	22,244	22,960
Office of Personnel Management ⁷	6,809	6,157	6,260	6,369	6,553	6,353	5,929	6,078
Railroad Retirement Board.....	1,734	1,961	1,795	1,585	1,576	1,661	1,601	1,637
Small Business Administration.....	4,269	4,796	5,804	5,100	5,083	4,960	4,960	4,846
Tennessee Valley Authority.....	22,244	28,423	61,714	37,181	33,599	32,035	39,364	32,736
Veterans Administration.....	166,719	213,143	226,266	236,739	239,923	247,156	240,423	260,013

NA Not available. X Not applicable. ¹ Excludes agencies not shown separately. ² Includes other agencies not shown separately. ³ Includes 24,278 enumerators in 1970 census, and 4,975 enumerators in the 1980 census. ⁴ Dept. of Education established Sept. 1979; formerly included with Health and Human Services. ⁵ Dept. of Energy established Oct. 1, 1977. ⁶ Includes Housing and Home Finance Agency. ⁷ Formerly Civil Service Commission.

Source: U.S. Office of Personnel Management, *Federal Civilian Workforce Statistics, Employment and Trends*, bimonthly, formerly the *Monthly Release of Federal Civilian Work Force Statistics*.

NO. 521. FEDERAL GOVERNMENT EMPLOYMENT, BY RACE AND HISPANIC ORIGIN, AND BY PAY SYSTEM: 1982 AND 1986

[As of Sept. 30. Covers total employment for only Executive Branch agencies participating in OPM's central personnel data file. Excludes foreign nationals abroad and U.S. Postal Service]

PAY SYSTEM	1982					1986, est.				
	Total employees (1,000)	Race/Hispanic origin				Total employees (1,000)	Race/Hispanic origin			
		Total ¹ (1,000)	Percent of total	Black, non-Hispanic (1,000)	Hispanic (1,000)		Total ¹ (1,000)	Percent of total	Black, non-Hispanic (1,000)	Hispanic (1,000)
All pay systems, total ²	2,098.6	484.0	24.1	311.1	90.0	2,684.0	641.8	26.9	339.8	169.2
General schedule and equivalent ³	1,508.3	398.2	22.3	222.0	59.0	1,592.7	392.6	24.6	253.6	72.4
GS 1-4 (\$9,339-\$16,723).....	303.6	101.9	33.6	71.0	16.1	282.8	106.6	38.4	75.7	17.9
GS 5-8 (\$14,380-\$25,662).....	464.9	126.5	27.2	90.2	20.2	491.3	148.1	30.1	102.8	25.0
GS 9-12 (\$21,804-\$41,105).....	530.0	87.6	16.5	50.1	18.7	590.0	111.3	18.9	62.6	24.5
GS 13-15 (\$37,599-\$67,940).....	209.8	20.1	9.6	10.7	4.0	226.6	24.6	10.8	12.5	5.0
Executive, total.....	7.6	.6	7.2	.3	.1	6.9	.6	6.6	.4	.1
Wage systems.....	414.0	134.6	32.5	63.5	26.0	409.2	135.2	33.0	60.9	29.7
Other pay systems ⁴	69.3	10.1	14.6	3.7	2.3	69.0	11.8	17.1	3.8	2.7

¹ Includes American Indians, Alaska Natives, Asians, and Pacific Islanders, not shown separately. ² Due to the inclusion of unspecified employee records, the pay systems listed do not add to the total. ³ Pay rates as of January 1983 for general schedule. Each grade (except Executive) includes several salary steps. Range is from lowest to highest step of grades shown. ⁴ Includes white-collar employment in other than General Schedule and Equivalent or Executive pay plans.

Source: U.S. Office of Personnel Management, *1986 Affirmative Employment Statistics*; biennial, and unpublished data.

NO. 522. FEDERAL LAND AND BUILDINGS OWNED AND LEASED: 1960 TO 1967

[For fiscal years ending in year shown; see text, section 9. Covers Federal real property throughout the world, except as noted. Totals include data not shown separately. For data on Federal land by State, see table 336.]

ITEM AND AGENCY	Unit	1960	1970	1975	1980	1982	1985	1984	1986	1987
Federally owned:										
Land, total	ML. acres	772	762	761	720	730	732	727	727	724
Dept. of Agriculture	ML. acres	186	187	183	184	183	183	136	188	188
Dept. of Defense	ML. acres	30	31	31	30	28	29	24	29	26
Dept. of the Interior	ML. acres	556	544	547	506	519	520	567	510	510
Buildings, number ¹	1,000	413	418	406	403	387	418	438	454	412
Dept. of Defense ¹	1,000	320	318	312	301	282	321	323	354	316
Dept. of the Interior	1,000	31	34	30	34	35	37	36	37	36
Buildings, floor area ¹	ML. sq. ft.	2,446	2,542	2,502	2,522	2,497	2,600	2,725	2,685	2,700
Dept. of Defense ¹	ML. sq. ft.	1,989	1,957	1,932	1,777	1,707	1,888	1,888	2,005	1,886
General Services Administration	ML. sq. ft.	122	206	184	302	108	188	204	207	210
Dept. of the Interior	ML. sq. ft.	42	61	86	85	82	72	71	71	72
Veterans Administration	ML. sq. ft.	116	110	111	116	117	118	117	118	120
Cost of land, buildings, etc. ²	BL. dol.	69	76	91	107	117	132	147	145	165
Dept. of Defense	BL. dol.	31	44	58	60	68	73	77	72	80
Dept. of the Interior	BL. dol.	6	6	10	10	12	12	19	14	13
Federally leased:										
Land	ML. acres	1.8	1.8	1.2	1.4	1.4	1.4	1.6	1.3	1.6
Dept. of Defense	ML. acres	1.7	1.4	1.0	1.2	1.2	1.1	1.1	.5	.8
Buildings, floor area ¹	ML. sq. ft.	97	182	218	214	216	206	203	237	246
Dept. of Defense ¹	ML. sq. ft.	11	7	13	14	14	14	14	13	15
Rental property, cost	ML. dol.	174	481	684	1,054	1,422	1,232	1,547	1,861	1,888
Dept. of Defense	ML. dol.	36	63	86	158	314	326	384	388	356

¹ Excludes data for Dept. of Defense military functions outside United States. ² See headnote, table 523.

Source: U.S. General Services Administration, *Inventory Report on Real Property Owned by the United States Throughout the World*, annual, and *Inventory Report on Real Property Leased to the United States Throughout the World*, annual.

NO. 523. FEDERALLY OWNED LAND AND COST OF LAND, BY PREDOMINANT USAGE: 1965 TO 1987

[As of end of fiscal year; see text, section 9. Covers land in United States only (50 States and DC). Cost of land figures represent total cost of property owned in year shown and exclude unreserved public domain, public domain reserved for national parks, national forests, military installations and other purposes; and historical sites acquired by methods other than by purchase. Properties are reported at actual or estimated cost as of date of acquisition without considering depreciation, obsolescence, or economic changes in value. For data on Federal land by State, see table 336.]

YEAR AND AGENCY	Total ¹	Forest and wildlife	Grazing	Parks and historic sites	Military, esp. airfields	Flood control, navigation	Reclamation, irrigation	Power development	Airfields
LAND (ML. ACRES)									
1965, total	766.9	508.4	163.2	22.3	16.7	8.7	7.8	1.8	2.0
1970, total	761.9	508.2	163.5	34.8	17.7	7.4	7.5	2.1	1.5
1975, total	760.4	502.3	164.0	25.3	18.1	8.0	7.0	1.5	2.3
1978, total	776.2	514.8	162.7	28.7	20.8	8.2	6.1	1.8	1.5
1979, total	768.9	472.1	162.5	66.5	18.0	8.3	6.0	1.5	1.5
1980, total	718.5	421.6	162.2	92.8	18.5	8.3	4.6	1.5	.4
1981, total	730.8	432.3	161.7	102.2	10.5	8.4	3.8	1.6	1.1
1982, total	729.8	433.3	161.8	100.6	10.8	8.5	3.7	1.5	.7
1983, total	732.0	434.0	162.1	95.8	10.9	8.3	3.8	1.5	1.5
1984, total	726.6	430.4	163.0	91.4	19.8	8.3	5.9	1.2	2.5
1985, total	727.4	430.8	154.7	94.0	25.0	5.8	5.3	1.0	2.4
1987, total	724.1	430.6	164.4	95.1	18.2	5.6	5.2	1.0	1.8
COST OF LAND (ML. DOL.)									
1965	4,129	237	18	180	298	1,915	224	204	203
1970	5,475	360	28	373	331	2,591	312	251	162
1975	5,872	588	28	618	334	3,381	313	273	199
1978	6,762	788	27	1,047	477	3,914	580	296	133
1979	8,680	900	27	1,417	480	4,104	377	286	146
1980	9,982	975	26	1,500	602	4,331	365	304	123
1981	10,355	1,121	26	1,823	574	4,504	264	321	240
1982	10,777	1,211	29	1,607	286	4,696	280	316	184
1983	10,972	1,236	29	2,114	285	4,829	281	323	206
1984	12,324	1,223	26	2,708	349	4,615	436	308	327
1985	12,880	1,349	23	2,672	388	4,772	387	290	361
1987	12,120	1,471	26	1,944	367	4,334	388	290	212

¹ Includes other uses not shown separately.

Source: U.S. General Services Administration, *Inventory Report on Real Property Owned by the United States Throughout the World*, annual.

NO. 524. PUBLIC LANDS—DISPOSAL TRANSACTIONS AND CASH RECEIPTS: 1961 TO 1967

[For fiscal year ending in year shown; see text, section 9. Period figures are totals, not annual averages. See also *Historical Statistics, Colonial Times to 1970*, series J 10-15 and J 28-32]

ITEM	Unit	1961-1967, total	1960	1961	1962	1963	1964	1965	1966	1967
Applications, entries, and selections allowed ¹	1,000 acres	184,905	1,157	1,311	10,390	5,360	1,835	1,404	4	1
Alaska	1,000 acres	181,305	1,160	1,277	10,299	5,148	1,601	1,131	-	-
Applications, entries, and selections approved ¹	1,000 acres	71,334	175	340	16,121	16,907	4,637	6,491	663	1,812
Alaska	1,000 acres	67,275	2	321	17,996	16,500	4,250	6,095	4,595	1,589
Patents and certificates ¹	1,000 acres	46,259	2,495	1,258	411	723	1,449	4,217	3,704	2,000
Alaska	1,000 acres	36,234	2,443	1,090	191	244	979	3,729	3,254	2,343
Homestead entries: ²										
Allowed	Number	2,659	1	12	3	1	20	4	-	-
Acres	1,000	323	(2)	1	(2)	(2)	2	1	-	-
Approved ³	1,000 acres	237	1	2	2	1	3	2	-	-
Cash receipts	ML dol	97,194	5,079	11,279	7,660	11,880	7,914	6,939	5,664	5,014
Mineral leases ⁴	ML dol	10,822	616	739	1,199	896	1,005	1,165	904	773
Outer Continental Shelf leases ⁴	ML dol	81,205	4,101	10,138	5,250	10,482	5,694	5,542	4,716	4,021
Timber sales	ML dol	3,053	216	216	87	107	153	136	162	153
Public land, materials sales	ML dol	155	8	8	4	12	14	12	14	8
Fees and commissions	ML dol	293	29	44	4	2	2	2	2	2
Miscellaneous ⁵	ML dol	1,853	106	139	396	181	46	75	65	57

- Represents zero. Z Less than 500 acres. ¹ Covers homestead, desert land, and mineral entries, public auction sales, Indian and State selections; and other disposal transactions; excludes Indian fee and release trusts and corrective patents.

² For years 1976-1980 includes entries under the Alaska Native Claims Act of Dec. 18, 1971. ³ Transfer of aggregate 31.6 million acres to the State of Alaska under the Alaska Statehood Act of July 7, 1958 and the Alaska National Interest Lands Conservation Act of December 2, 1980. ⁴ Administrative suspension of existing conveyance process to phase-in the new patent plan process. The acreages for the State of Alaska are more a function of administrative capacity to adjudicate the caseload rather than an indication of interest by applicants in making application, as is normally the case for other States. ⁵ Excludes ceded Indian lands. ⁶ Excludes continued homesteads. ⁷ Source: Minerals Management Service, *Mineral Revenues*, annual through 1981; thereafter *Budget Revenue Records*. ⁸ Includes grazing revenues, rental of land, oil and gas pipeline right-of-way rentals (beginning fiscal year 1984), and other miscellaneous revenues.

Source: Except as noted, U.S. Bureau of Land Management, *Public Land Statistics*, annual.

NO. 525. PUBLIC LANDS—LEASES, PERMITS, AND LICENSES, BY CLASS: 1960 TO 1967

[As of end of fiscal year except as noted; see text, section 9. Excludes leases on acquired, submerged, and military lands. Excludes community pit and mineral material tree use permits. See *Historical Statistics, Colonial Times to 1970*, series J 41-42, for oil and gas leases]

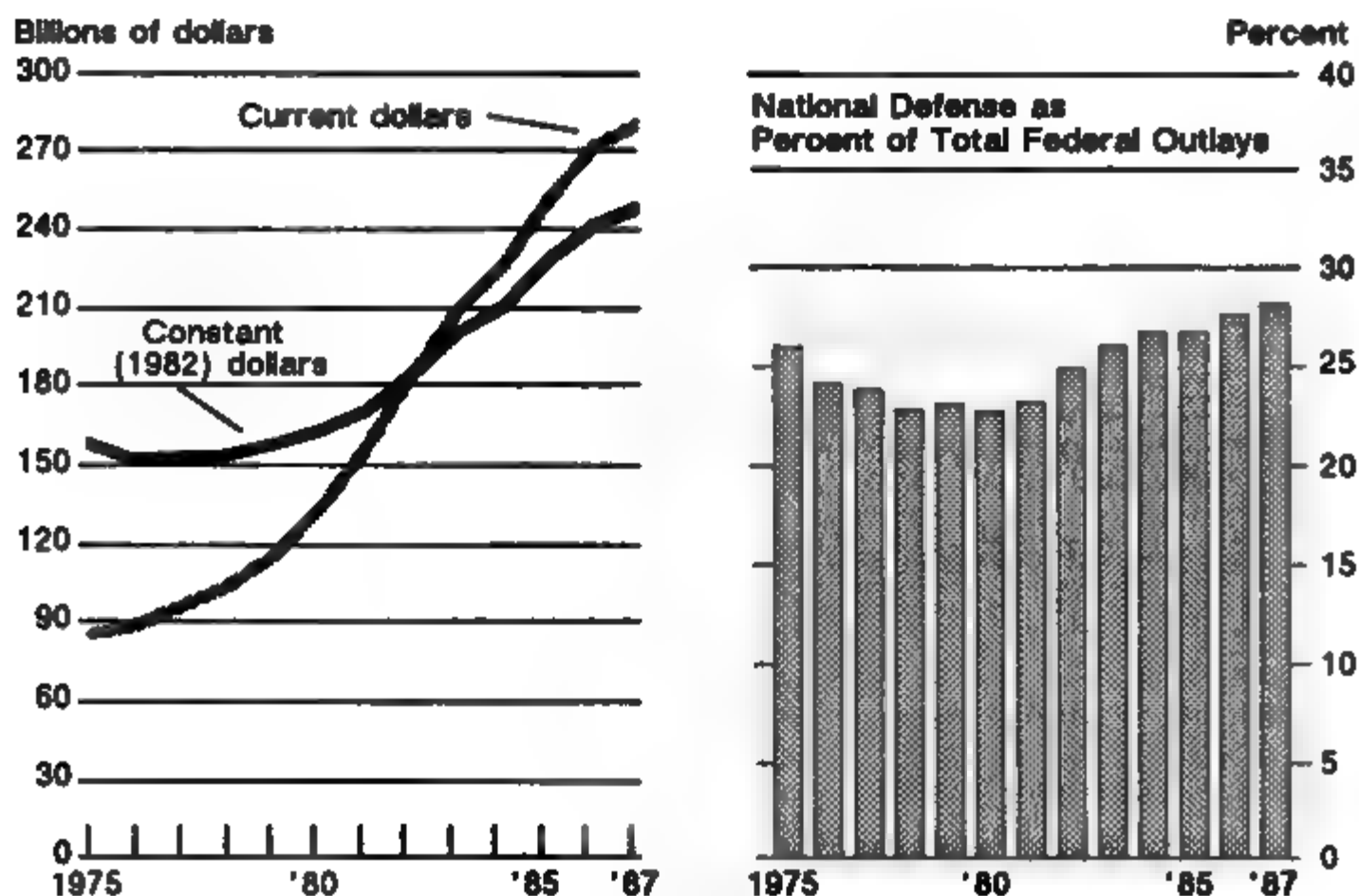
YEAR		MINERAL CLASS						GRAZING ⁴		
		Total	Leases			Per- mits ³	Li- censes	Leases ⁵	Permits ⁶	
			Total	Oil and gas ¹	Coal ²					Other
Number:										
1960		142,114	140,057	139,534	294	229	2,036	22	8,911	18,976
1965		101,863	101,088	100,339	379	368	763	14	8,912	18,712
1970		100,599	100,010	99,038	525	447	583	5	8,559	16,627
1975		104,075	103,782	102,615	529	416	309	4	7,795	15,480
1977		104,377	104,079	102,130	523	1,426	294	4	7,792	15,099
1978		105,284	105,088	102,984	524	1,580	163	13	8,964	14,925
1979		107,178	107,014	104,789	535	1,710	139	23	7,773	14,670
1980		106,125	105,963	103,571	522	1,870	132	30	7,700	14,741
1981		111,842	111,645	109,041	562	2,042	157	40	7,621	14,628
1982		116,589	116,365	115,389	607	2,369	149	75	7,637	12,958
1983		133,337	132,661	129,861	611	2,369	148	75	7,688	12,965
1984		118,254	117,849	115,382	450	2,017	149	57	7,580	13,063
1985		119,419	119,101	116,985	625	1,491	318	2	7,367	12,493
1986		105,513	105,226	102,885	605	1,736	245	41	7,218	12,304
1987		89,789	89,546	87,568	552	1,426	231	12	7,164	12,308
Average (1,000):										
1960		118,157	114,136	113,667	199	270	4,030	1	18,532	(NA)
1965		85,267	84,955	84,148	374	433	1,311	1	18,057	(NA)
1970		85,374	84,323	83,030	784	529	1,051	(2)	18,262	(NA)
1975		82,618	81,865	80,621	780	485	733	(2)	17,144	(NA)
1977		85,903	85,275	83,319	791	2,164	626	2	16,887	(NA)
1978		90,202	89,623	86,585	790	2,447	334	45	24,705	(NA)
1979		96,482	96,109	92,642	796	2,699	299	74	17,534	(NA)
1980		100,585	100,198	96,503	788	2,909	278	108	17,029	(NA)
1981		117,257	116,777	112,729	833	3,215	337	143	17,160	(NA)
1982		151,743	151,193	148,502	910	3,781	169	361	17,486	157,575
1983		163,330	162,506	157,814	911	3,781	169	361	16,866	157,575
1984		136,323	135,827	131,855	705	3,457	293	233	18,375	156,808
1985		124,483	124,095	120,667	834	2,474	268	12	16,462	148,967
1986		95,717	95,236	92,731	801	2,804	340	141	16,232	147,148
1987		74,350	74,058	71,203	607	2,048	286	6	16,160	146,286

NA Not available. Z Less than 500 acres. ¹ For data on Outer Continental Shelf, see section 28. ² Includes competitive, noncompetitive, preference right, and exchange leases beginning fiscal year 1984. ³ Does not include tree-use permits for disposition of mineral materials (sand and gravel, top soil, quarry rock, etc.). ⁴ 1960-1977 as of Dec. 31, 1979-1982, as of Feb. 28 of following year. Beginning 1983, as of Sept. 30. ⁵ Lands outside grazing districts, which are owned, leased, or otherwise controlled by the United States and administered by the Bureau of Land Management and which are subject to leasing for grazing purposes. ⁶ Licenses and permits within grazing districts. ⁷ Includes miscellaneous use permits, permits, and licenses on acquired, military, and other Federal lands not separable by type.

Source: U.S. Bureau of Land Management, *Public Land Statistics*, annual.

Figure 11.1

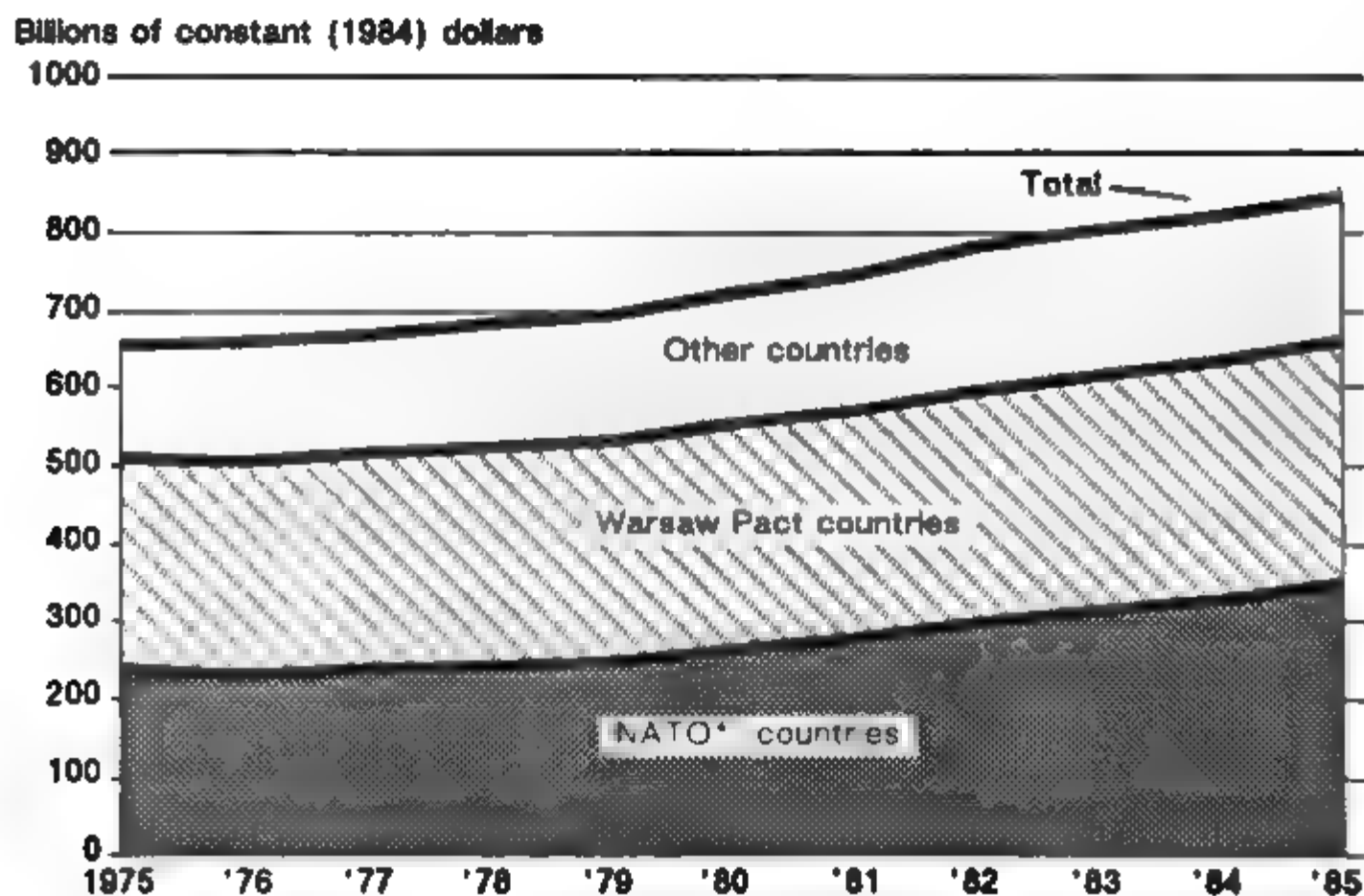
Federal Budget Outlays for National Defense: 1975 to 1987



Source: Chart prepared by U.S. Bureau of the Census. For data see table 526.

Figure 11.2

World Military Expenditures: 1975 to 1985



* North Atlantic Treaty Organization.

Source: Chart prepared by U.S. Bureau of the Census. For data see table 533.



Section 11

National Defense and Veterans Affairs

This section presents data on national defense and its human and financial costs; active and reserve military personnel; ships, equipment and aircraft; and federally sponsored programs and benefits for veterans. The principal sources of these data are the annual *Selected Manpower Statistics* and the *Atlas/Data Abstract for the United States and Selected Areas* issued by the Office of the Secretary of Defense; *Annual Report of Administrator of Veterans Affairs*, Veterans Administration; and *The Budget of the United States Government*, Office of Management and Budget. For more data on expenditures, personnel, and ships, see section 31.

Department of Defense (DOD).—The Department of Defense is responsible for providing the military forces of the United States. It includes the Office of the Secretary of Defense, the Organization of the Joint Chiefs of Staff, the Army, Navy, Air Force, and the defense agencies. The President serves as Commander in Chief of the Armed Forces; from him, the authority flows to the Secretary of Defense and through the Joint Chiefs of Staff to the commanders of unified and specified commands (e.g., Strategic Air Command).

Reserve components.—Reserve personnel of the Armed Forces consist of the Army National Guard, Army Reserve, Naval Reserve, Marine Corps Reserve, Air National Guard, Air Force Reserve, and Coast Guard Reserve. They provide trained personnel available for active duty in the Armed Forces in time of war or national emergency and at such other times as authorized by law.

The National Guard has dual Federal-State responsibilities and uses jointly provided equipment, facilities, and budget support. In peacetime, the National Guard is State-administered, and trained under the authority of the State Governors. The President is empowered to mobilize the National Guard and to use such of the Armed Forces as he considers necessary to enforce Federal authority in any State.

The ready reserve includes selected reservists who are intended to assist active forces in a war and the individual ready reserve who, in a major war, would be used to fill out active and reserve units and later would be a source of combat replacements; a portion of the ready reserve serves in an active status. The standby reserve cannot be called to active duty unless the Congress gives explicit approval. The retired reserve represents a low potential for mobilization.

Veterans Administration.—The Veterans Administration (VA) administers laws authorizing benefits for eligible former and present members of the Armed Forces, and for the beneficiaries of deceased members. Veterans benefits available under various acts of Congress include: Compensation for service-connected disability or death; pensions for nonservice-connected disability or death; vocational rehabilitation, education, and training; home loan insurance; life insurance; health care; special housing and automobiles or other conveyances for certain disabled veterans; burial and plot allowances; and educational assistance to families of deceased or totally disabled veterans, servicemen missing in action, or prisoners of war. Since these benefits are legislated by Congress, the dates they were enacted and the dates they apply to veterans may be different from the actual dates the conflicts occurred.

VA estimates of veterans cover all persons with active duty service during periods of war or armed conflict and until 1962 include those living outside the United States. Veteran population estimates for September 1962 are for the 50 States, the District of Columbia and Puerto Rico. Veterans whose active duty service was entirely during periods of peacetime are eligible for some veterans benefits and, where appropriate, are included in VA estimates.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

NO. 520. NATIONAL DEFENSE OUTLAYS AND VETERANS BENEFITS: 1966 TO 1986

[For fiscal year ending in year shown; see text, section 8. Includes outlays of Department of Defense, Veterans Administration, and other agencies for activities primarily related to national defense and veterans programs. For explanation of average annual percent change, see Guide to Tabular Presentation. Minus sign (-) indicates decline. See *Historical Statistics, Colonial Times to 1870*, series Y 472-473 and Y 476, for related data.]

YEAR	NATIONAL DEFENSE AND VETERANS OUTLAYS				ANNUAL PERCENT CHANGE ¹				DEFENSE OUTLAYS, PERCENT OF—	
	Total outlays (\$B. dol.)	Defense outlays		Veterans outlays (\$B. dol.)	Total outlays	Defense outlays		Veterans outlays	Federal outlays	Gross national product ²
		Current dollars (\$B. dol.)	Constant (1985) dollars (\$B. dol.)			Current dollars	Constant (1985) dollars			
1966	88.6	49.1	182.1	6.4	2.6	2.4	-1.9	2.1	82.2	8.6
1967	88.0	52.3	202.2	5.6	4.0	4.2	2.8	1.7	40.0	8.4
1968	88.8	58.4	197.1	5.8	1.8	2.0	-2.5	-1.9	40.0	8.1
1969	88.4	64.6	123.6	6.7	2.6	2.6	.9	2.6	48.3	8.7
1970	88.8	65.6	181.4	6.7	-5.8	-7.8	-8.8	.7	42.8	7.5
1971	94.0	63.1	197.9	6.8	12.7	14.9	6.1	3.6	49.2	7.9
1972	79.2	71.4	226.1	9.7	22.1	22.8	18.8	16.8	45.4	8.0
1973	88.0	61.9	254.8	7.0	18.8	14.7	8.4	4.4	48.6	8.6
1974	90.1	62.5	243.4	7.8	1.3	.7	-4.5	8.6	44.9	8.9
1975	90.4	61.7	235.6	6.7	.3	-1.9	-7.3	18.8	41.8	9.3
1976	89.7	79.6	202.7	8.8	-1.8	-8.8	-10.2	12.7	37.5	7.5
1977	88.8	78.2	180.0	10.7	1.4	.4	-8.8	8.8	34.3	8.9
1978	96.7	78.7	178.1	12.0	1.9	-3.1	-8.8	12.0	31.2	8.9
1979	92.7	78.3	168.3	18.4	4.8	3.6	-8.7	11.4	28.6	8.5
1980	103.1	88.5	168.8	16.8	11.2	8.0	-2.1	34.0	20.0	6.7
1981	103.1	88.5	168.8	16.4	4.9	3.6	-3.9	11.0	34.1	6.3
1982, TO ³	28.2	22.3	87.1	4.0	00	00	00	00	28.2	8.0
1977	115.6	87.2	164.8	18.0	6.7	5.6	.5	-2.1	22.8	8.0
1978	128.6	104.6	168.8	18.0	7.1	7.8	.5	6.2	22.8	4.8
1979	128.9	116.9	183.1	18.8	10.4	11.3	2.6	6.0	28.1	4.6
1980	125.2	124.0	184.0	21.2	18.8	18.2	2.1	6.9	22.7	5.0
1981	130.5	137.5	171.4	23.0	18.3	17.8	4.9	6.6	20.2	5.3
1982	208.3	185.3	185.3	24.0	18.8	17.8	6.1	4.2	34.0	6.9
1983	234.7	229.0	201.3	24.0	12.2	16.8	6.8	3.7	34.0	6.9
1984	289.0	227.4	211.3	28.8	7.3	9.3	8.0	3.1	38.7	6.2
1985	278.0	282.7	239.4	29.6	10.9	11.1	6.8	2.6	28.7	6.4
1986	289.7	273.4	248.0	28.4	7.4	6.8	6.9	.2	27.8	6.5
1987	289.3	289.0	248.8	28.8	8.0	3.2	2.5	1.8	28.1	6.4
1988, est.	313.2	288.4	248.8	27.7	1.4	1.2	-2.5	3.6	27.0	6.1

X Not applicable. ¹ Change from prior year shown; for 1980, change from 1985. ² Represents fiscal year GNP; for definition, see text, section 14. ³ Transition quarter, July-Sept.

Source: U.S. Office of Management and Budget, *Historical Tables, Budget of the United States Government, 1988*.

NO. 527. FEDERAL BUDGET OUTLAYS FOR NATIONAL DEFENSE FUNCTIONS: 1970 TO 1986

[In billions of dollars, except percent. For fiscal year ending in year shown; see text, section 8. Minus sign (-) indicates decline. See *Historical Statistics, Colonial Times to 1870*, series Y 473, for total.]

DEFENSE FUNCTION	1970	1975	1979	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988, est.
Total	61.7	88.6	104.6	116.3	134.8	167.5	186.3	208.8	227.4	262.7	273.4	282.8	288.4
Annual percent change ¹	10.1	5.0	7.5	11.3	15.2	17.8	17.8	13.3	8.3	11.1	6.2	3.2	1.2
Defense Dept., military	80.1	64.9	102.3	113.6	130.8	163.5	180.7	204.4	220.8	245.1	265.5	274.0	277.3
Military personnel	29.0	32.2	36.8	37.3	40.9	47.9	55.2	60.9	64.2	67.8	71.5	72.0	78.6
Percent of military	36.2	37.9	34.8	32.9	31.2	31.2	30.5	29.8	29.0	27.7	26.9	25.3	27.2
Operation, maintenance	21.8	29.3	33.6	36.4	44.8	61.9	58.7	64.6	67.4	72.3	75.3	78.2	80.4
Procurement	21.8	16.0	29.0	28.4	29.0	35.2	43.8	58.6	61.6	70.4	76.5	80.7	79.2
Research and development	7.3	8.8	10.8	11.2	18.1	15.5	17.7	20.6	23.1	27.1	32.3	33.8	33.1
Military construction	1.2	1.5	1.9	2.1	2.5	2.5	2.9	3.5	3.7	4.9	6.1	6.8	6.4
Family housing	.8	1.1	1.4	1.5	1.7	1.7	2.0	2.1	2.4	2.8	2.8	2.9	3.0
Other ²	-1.1	-1.1	-7	-8	-1.1	-8	-1	-1.8	-1.7	.8	2.0	2.8	.7
Atomic energy activities ³	1.4	1.5	2.1	2.5	2.5	3.4	4.8	5.2	6.1	7.1	7.4	7.5	7.8
Defense-related activities ⁴	.2	.2	.2	.2	.2	.3	.3	.3	.4	.5	.5	.9	.5

¹ Change from immediate prior year; for 1970, change from 1965. ² Revolving and management funds, trust funds, special foreign currency program, allowances, and offsetting receipts. ³ Defense activities only. ⁴ Includes civil defense activities.

Source: U.S. Office of Management and Budget, *Historical Tables, Budget of the United States Government, 1988*.

No. 528. NATIONAL DEFENSE—FUNDS AVAILABLE AND OUTLAYS: 1975 TO 1988

[In billions of dollars, except percent. For fiscal year ending in year shown, except as noted; see text, section 9. See *Historical Statistics, Colonial Times to 1970*, series Y 458-460 for outlays]

ITEM	1975	1976	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Funds available	102.7	137.3	147.9	167.1	204.7	243.5	280.1	309.2	346.9	351.2	347.9	339.5
Budget authority ¹	87.6	117.2	126.5	143.9	180.0	216.5	245.0	265.2	294.7	289.1	287.4	291.4
Department of Defense-Military ²	85.6	114.6	123.6	140.6	176.1	211.5	238.9	258.2	286.8	281.4	279.5	283.2
Atomic energy and other defense-related activities ¹	1.6	2.7	2.9	3.2	3.9	5.1	6.2	7.0	7.9	7.7	8.0	8.3
Unobligated balances ^{1,2}	15.1	20.1	21.4	23.3	24.7	27.0	35.1	44.0	52.2	62.1	60.4	48.1
Department of Defense-Military	15.1	20.0	21.3	23.0	24.2	26.5	34.8	43.4	51.8	61.5	60.0	47.6
Atomic energy and other defense-related activities ¹	(NA)	1	1	3	.5	5	5	6	6	6	4	5
Outlays (Defense) ¹	86.5	104.5	116.3	134.0	167.5	195.3	209.9	227.4	252.7	273.4	282.0	286.4
Percent of funds available	84.2	76.1	78.7	80.2	76.9	76.1	74.9	73.6	72.9	77.8	81.1	84.1
Department of Defense-Military	84.9	102.3	113.6	130.9	153.8	180.7	204.4	220.9	245.1	265.5	274.0	277.3
Atomic energy and other defense-related activities ¹	1.7	2.2	2.8	3.1	3.7	4.6	5.5	6.5	7.6	7.9	8.0	8.1

NA Not available ¹ Includes defense budget authority, balances, and outlays by other departments. ² Excluding accruals.

¹ Start of year.

Source: U.S. Office of Management and Budget, *Budget of the United States Government*, annual.

No. 529. NATIONAL DEFENSE—MILITARY BUDGET AUTHORITY BY MAJOR MISSION: 1975 TO 1988

[In billions of dollars. For fiscal year ending in year shown; see text, section 9. Detail may not add to total because of revisions to total and not to detail]

MISSION	1975	1980	1981	1982	1983	1984	1985	1986	1987	1988, est.
Total	87.6	143.9	180.0	216.5	245.0	265.2	294.7	289.1	287.4	291.4
General purpose	26.1	52.2	68.6	88.1	99.8	100.7	116.4	116.2	114.9	110.7
Training, medical	20.0	29.2	35.3	39.6	42.2	43.3	33.8	33.6	35.5	35.9
Research and development	7.7	11.9	14.2	16.9	18.7	21.5	24.4	25.7	27.5	32.5
Intelligence and communications	6.3	9.1	11.2	13.9	17.3	20.0	25.1	26.4	27.7	28.0
Strategic forces	7.2	11.1	12.7	15.3	19.7	26.1	27.4	24.2	21.1	21.0
Central supply and maintenance	9.1	16.0	19.1	21.1	21.6	23.4	26.7	24.4	22.7	24.1
Guard and reserve	4.8	7.9	9.9	10.6	12.1	12.2	15.8	16.6	15.7	16.2
Airlift and sealift	9	2.1	2.9	4.0	4.3	5.5	6.7	7.6	7.1	5.6
Admin. and assoc. activities	2.0	2.5	3.4	3.6	4.1	4.8	6.1	7.1	6.6	5.8
Support of other nations	1.8	.6	.9	.9	.7	.7	.6	.5	.7	.8
PERCENT DISTRIBUTION										
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
General purpose	32.0	36.6	38.6	41.2	41.3	39.0	41.3	41.3	41.1	39.1
Training, medical	22.8	20.6	19.8	18.5	17.6	16.8	11.7	11.9	12.7	12.7
Research and development	8.8	8.3	8.0	7.9	7.8	8.3	8.5	9.1	9.8	11.5
Intelligence and communications	7.2	6.4	6.3	6.5	7.2	7.7	8.8	9.4	9.9	10.0
Strategic forces	8.2	7.8	7.1	7.2	8.2	10.1	9.6	8.6	7.5	7.4
Central supply and maintenance	10.4	11.2	10.7	9.9	8.0	9.1	9.3	8.7	8.1	8.5
Guard and reserve	5.5	5.5	5.5	5.0	5.1	4.7	5.5	5.5	5.6	5.7
Airlift and sealift	1.0	1.5	1.6	1.9	1.6	2.1	3.0	2.7	2.5	2.0
Admin. and assoc. activities	2.3	1.8	1.9	1.7	1.7	1.9	2.1	2.5	2.4	2.0
Support of other nations	2.0	.4	.5	.4	.3	.3	.2	.2	.3	.3

Source: U.S. Office of Management and Budget, *Budget of the United States Government*, annual.

No. 530. FEDERAL RESEARCH AND DEVELOPMENT FUNDING FOR NATIONAL DEFENSE: 1980 TO 1988

[In billions of dollars. For fiscal year ending in year shown; see text, section 9. Represents budget authority data]

DEFENSE PROGRAMS	1980	1981	1982	1983	1984	1985	1986	1987	1988, est.
Total ¹	18.4	22.1	24.9	29.3	33.7	36.9	38.2	40.3	
Department of Defense (DOO)-Military	13.8	17.1	20.5	23.3	27.3	31.4	34.7	36.8	37.9
Research, development, test and evaluation	13.3	16.5	19.9	22.6	26.6	30.9	33.7	35.9	37.3
Tactical programs	5.2	6.1	6.9	7.3	7.9	9.1	10.3	11.0	12.2
Strategic programs	2.2	3.4	4.6	5.8	7.9	8.2	7.5	7.7	7.4
Intelligence and communications	1.2	1.6	2.2	2.7	3.4	4.0	4.5	4.7	4.9
Advanced technology development	.6	.6	.8	.8	1.4	2.8	4.1	5.0	5.4
Defensewide mission support	1.6	2.1	2.5	2.8	3.0	3.8	4.1	4.2	4.1
Technology base	2.3	2.6	2.9	3.2	3.1	3.1	3.2	3.2	3.3
Other DOO military	.5	.6	.6	.7	.7	.6	1.0	.9	.8
Atomic energy defense activities (DOE) ^{1,2}	1.1	1.3	1.5	1.6	1.9	2.3	2.3	2.3	2.4
Weapons research, development, and testing	.8	.8	.9	.9	1.3	1.5	1.5	1.5	1.6
Naval reactors development	.2	.3	.3	.3	.4	.4	.5	.5	.5

¹ Includes other programs not shown separately. ² Department of Energy.

Source: U.S. National Science Foundation, *Federal R&D Funding by Budget Function*, annual.

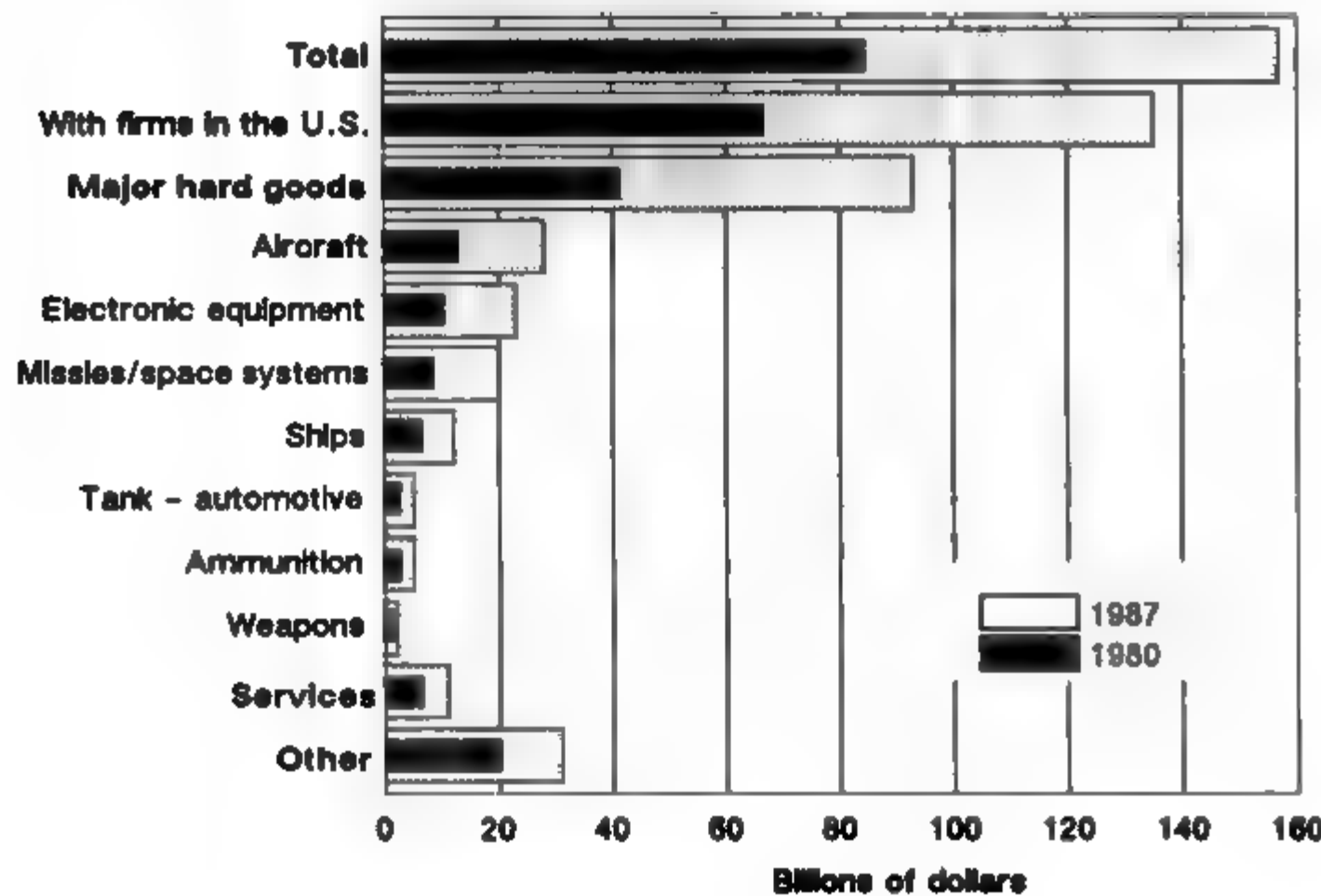
No. 531. MILITARY PRIME CONTRACT AWARDS TO ALL BUSINESSES, BY PROGRAM: 1980 TO 1987

[In billions of dollars. Net values for fiscal year ending in year shown; see text, section 9. Includes all new prime contracts; debit or credit changes in contracts are also included. Actions cover official awards, amendments, or other changes in prime contracts to obtain military supplies, services, or construction. Excludes term contracts and contracts which do not obligate a firm total dollar amount or fixed quantity, but includes job orders, task orders, and delivery orders against such contracts]

DOD PROCUREMENT PROGRAM	1980	1981	1982	1983	1984	1985	1986	1987			
								Total	Per-cent small business ¹	Per-cent women owned	Small disadvantaged businesses
Total	83.7	105.2	124.7	140.8	148.0	163.7	158.8	158.6	(NA)	(NA)	(NA)
Intragovernmental ²	10.2	9.8	12.8	9.8	10.1	12.4	9.9	8.8	(NA)	(NA)	(NA)
For work outside the U.S.	5.4	6.8	7.5	7.2	8.3	5.8	6.1	8.8	(NA)	(NA)	(NA)
Educational and non-profit institutions	1.5	1.7	2.0	2.2	2.7	3.1	3.4	3.5	(NA)	(NA)	(NA)
With business firms for work in the United States ³	66.7	87.2	102.5	121.1	124.9	138.6	138.5	125.3	19.7	.8	2.5
Major hard goods	41.0	53.3	67.8	80.6	88.3	98.1	92.8	93.0	7.7	.3	1.0
Aircraft	12.5	16.5	21.1	26.3	29.2	34.6	32.3	27.7	4.7	.2	.5
Electronics and communication equipment	9.8	11.7	14.2	16.7	19.7	22.0	19.7	22.8	9.4	.3	1.8
Missiles and space systems	7.9	10.2	12.7	14.7	16.7	18.7	19.4	19.8	3.9	.2	.7
Ships	6.0	7.4	8.8	12.8	9.4	10.4	9.4	11.5	12.9	.3	1.0
Tank-automotive	2.1	3.8	4.4	4.7	5.0	5.2	5.2	4.9	14.8	.5	.8
Ammunition	1.9	2.1	3.5	3.2	4.0	4.7	4.5	4.6	9.8	.7	.7
Weapons	1.1	1.5	2.3	2.4	2.4	2.8	2.3	2.1	15.7	.6	1.4
Services	5.9	5.8	7.9	10.4	8.5	9.1	10.4	11.0	31.4	2.2	9.1
All other	19.8	26.0	26.7	29.9	30.1	32.3	33.2	31.3	51.2	2.0	4.5

NA: Not available. ¹Covers firms not dominant in their fields of operation and employing fewer than 1,000, 750, or 500 persons, depending on industry classifications. For certain types of firms, other criteria are used, such as yearly gross sales. ²Covers only purchases from other Federal agencies and reimbursable purchases on behalf of foreign governments. ³Includes Department of Defense contracts awarded for work in U.S. possessions, Commonwealth of Puerto Rico, Trust Territories of the Pacific, and other areas subject to complete sovereignty of U.S., contracts in a classified location; and any intragovernmental contracts entered into overseas.
Source: U.S. Dept. of Defense, *Prime Contract Awards*, semiannual.

Figure 11.3
Military Contract Awards: 1988



Source: Chart prepared by U.S. Bureau of the Census. For data see table 531.

**No. 532. DEPARTMENT OF DEFENSE CONTRACT AWARDS, PAYROLL, CIVILIAN AND MILITARY
PERSONNEL—STATES: 1985 TO 1987**

For years ending Sept. 30. Contracts refer to awards made in year specified; expenditures relating to awards may extend over several years. Payroll estimates cover active duty military and direct hire civilian personnel, including Army Corps of Engineers. Civilian employees represent direct hire civilian employees; excluded are those who are not subject to Office of Management and Budget ceiling controls, such as summer aides. Military personnel in each department include a number of personnel in a transient status. These personnel are in a travel, proceed, leave enroute, or temporary duty status while on permanent change of station (PCS) orders. The Navy and Air Force report these personnel at their location prior to their arrival at their new permanent duty location. The Army includes these personnel in one category entitled "Undistributed," which also includes personnel for which an exact location is undetermined.

STATE	CONTRACT AWARDS ¹ (mil. dol.)			PAYROLL (mil. dol.)			CIVILIAN EMPLOYEES (1,000)			MILITARY PERSONNEL (1,000)		
	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987
U.S. total.....	146,088	139,026	133,262	54,833	59,406	60,321	976.2	983.9	976.3	1,388.6	1,427.6	1,377.4
AL.....	1,418	1,804	1,661	1,220	1,362	1,301	27.3	28.6	27.4	23.1	23.3	23.8
AK.....	560	565	555	530	541	604	5.0	5.0	5.5	20.4	21.0	22.1
AZ.....	2,008	2,632	3,211	654	754	793	10.4	10.6	10.7	20.7	25.6	24.9
AR.....	810	667	736	287	362	322	4.8	4.9	6.0	9.7	8.9	9.8
CA.....	29,115	27,736	24,515	8,910	9,475	9,566	137.9	136.2	137.7	204.6	206.0	206.6
CO.....	1,569	1,997	2,716	975	1,091	1,090	14.1	14.1	14.6	36.9	43.0	42.7
CT.....	5,543	5,441	5,031	362	414	419	5.0	5.0	4.9	6.5	7.2	7.2
DE.....	261	224	196	124	129	132	1.8	1.8	1.9	4.7	4.6	4.6
DC.....	1,104	967	1,272	842	923	924	16.9	16.8	17.2	12.7	13.1	13.0
FL.....	5,271	5,664	5,797	2,637	2,957	3,623	33.0	32.0	33.9	73.1	74.7	75.7
GA.....	3,520	3,764	3,512	2,015	2,186	2,245	40.4	39.9	40.2	64.4	63.6	62.9
HI.....	626	563	461	1,750	1,775	1,757	21.3	20.6	20.7	47.0	44.2	45.4
ID.....	60	63	74	126	142	140	1.3	1.3	1.4	5.6	5.8	5.9
IL.....	1,693	1,736	1,624	1,317	1,321	1,340	22.7	22.1	22.1	40.9	42.1	37.3
IN.....	3,177	2,460	2,231	504	544	565	15.4	15.2	15.2	6.6	6.9	6.6
IA.....	590	580	600	48	64	54	1.5	1.5	1.5	.4	.4	.4
KS.....	2,139	1,665	1,245	559	637	691	7.0	7.1	7.3	23.6	22.5	23.1
KY.....	906	567	462	967	1,046	1,083	14.8	14.2	14.3	40.6	38.9	39.2
LA.....	2,175	1,496	1,695	632	757	730	9.3	9.3	9.1	25.7	25.4	25.2
ME.....	957	584	630	249	432	433	10.8	10.1	10.6	5.4	6.9	5.8
MD.....	4,606	4,537	4,752	1,906	2,036	2,103	43.3	42.9	43.5	35.7	36.3	36.7
MA.....	7,714	6,735	6,695	517	543	541	12.3	12.2	12.1	9.4	9.2	9.4
MI.....	2,789	2,353	1,886	540	566	660	12.2	12.7	12.9	8.6	8.9	9.3
MN.....	2,296	2,355	2,426	66	132	102	2.8	2.9	2.9	.9	.9	.9
MS.....	1,310	1,634	1,474	651	947	690	11.6	11.3	11.5	16.0	16.0	17.6
MO.....	7,613	5,546	5,697	766	824	662	21.0	21.0	20.9	16.1	16.5	15.7
MT.....	102	62	93	67	106	105	1.2	1.3	1.3	3.7	3.9	4.0
NE.....	169	226	257	379	466	411	3.8	4.0	4.0	12.6	13.2	13.6
NV.....	126	141	232	227	231	244	2.1	2.0	2.2	9.7	10.0	10.0
NH.....	676	471	466	290	157	133	1.8	1.6	1.5	4.1	4.0	4.1
NJ.....	3,962	3,226	3,263	1,104	1,072	1,165	29.0	27.6	28.7	19.0	20.5	19.7
NM.....	482	565	594	566	629	635	9.9	9.9	10.1	16.4	16.8	16.6
NY.....	10,033	9,806	9,625	660	966	963	16.8	19.7	19.5	22.0	22.7	27.0
NC.....	1,029	1,046	1,243	2,167	2,179	2,311	16.3	16.1	16.2	66.7	66.1	64.9
ND.....	207	229	156	239	250	246	1.8	1.8	1.9	11.3	11.1	11.2
OH.....	4,546	5,201	4,550	1,253	1,301	1,292	34.3	34.4	34.1	13.6	11.7	11.8
OK.....	602	775	806	1,165	1,308	1,305	26.8	27.3	26.1	31.1	30.7	30.8
OR.....	256	340	297	112	219	116	3.1	3.1	3.2	.8	.8	.8
PA.....	4,149	4,192	3,845	1,967	1,703	1,664	56.7	53.4	57.3	6.7	6.6	6.6
RI.....	431	384	476	247	267	269	4.7	4.6	4.6	4.0	4.1	3.9
SC.....	460	521	571	1,563	1,678	1,690	20.6	20.2	20.7	44.4	47.0	44.6
SD.....	79	126	66	126	167	164	1.4	1.4	1.5	5.9	6.1	6.7
TN.....	789	1,157	986	370	456	369	7.3	7.5	7.7	11.0	10.4	10.6
TX.....	10,962	10,940	8,654	3,958	4,147	4,361	66.6	63.6	67.0	127.2	136.3	136.1
UT.....	789	714	1,163	701	736	721	23.6	23.3	22.3	6.2	6.0	6.0
VT.....	163	124	113	17	20	19	.6	.6	.6	1	1	1
VA.....	6,167	5,402	7,907	6,405	6,863	7,216	107.2	106.1	108.6	96.6	96.3	100.0
WA.....	3,539	2,625	3,112	1,696	1,665	1,660	29.5	26.5	29.6	43.7	42.3	43.3
WV.....	60	105	150	51	67	56	1.6	1.6	1.6	.4	.4	.4
WI.....	1,065	861	851	69	120	107	3.2	3.3	3.3	.9	.9	.9
WY.....	125	92	47	62	102	103	1.1	1.1	1.2	3.7	4.1	4.1

¹ Military awards for supplies, services, and construction. Net value of contracts of over \$25,000 for work in each State and DC. Figures reflect impact of prime contracting on State distribution of defense work. Often the State in which a prime contractor is located is not the State in which the subcontracted work is done. See also headnote, table 531. ² Includes undistributed civilians. ³ Includes undistributed military personnel.

Sources: U.S. Dept. of Defense, *Prime Contract Awards by State, annual*, *Distribution of Personnel by State—by Selected Locations, annual*, and *Alphabetical Abstract for the United States and Selected Areas, annual*.

No. 533. WORLDWIDE MILITARY EXPENDITURES: 1975 TO 1985

(For military expenditures and Armed Forces by country, see section 51. GNP—Gross national product)

COUNTRY GROUP	MILITARY EXPENDITURES (bil. dol.)										PER CAPITA (dol.)		
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
CURRENT DOLLARS													
Worldwide, total ¹	363.4	366.2	420.3	461.3	506.8	576.3	664.8	736.3	780.3	827.3	880.2	139	161
United States	91.0	91.0	100.3	109.2	122.3	144.0	169.3	196.4	217.2	237.1	265.8	632	1,111
Percent of total	25.0	23.4	24.0	23.7	24.0	24.9	26.0	26.9	27.8	28.7	30.2	(x)	(x)
Developed countries ²	269.2	305.1	332.6	363.2	402.6	458.2	516.0	572.6	615.9	657.9	706.9	422	46
Developing countries ²	74.2	84.1	87.6	98.3	107.2	120.1	138.6	158.3	164.7	169.6	173.3	36	46
NATO countries ³	139.1	137.0	151.0	164.4	183.0	212.3	246.1	280.0	306.3	331.0	364.7	367	606
Warsaw Pact countries	150.0	161.1	174.1	189.6	206.7	232.9	256.1	277.8	292.3	306.7	322.5	620	826
Soviet Union	128.0	136.0	149.0	163.0	180.0	201.0	221.0	237.0	250.0	264.0	275.0	756	966
CONSTANT (1984) DOLLARS													
Worldwide, total ¹	660.2	664.9	673.9	686.4	699.0	736.3	760.5	787.4	808.7	827.3	853.0	183	176
United States	165.2	155.5	161.8	163.0	167.7	161.0	164.8	211.6	225.3	237.1	257.6	796	1,078
Percent of total	25.0	23.4	24.0	23.7	24.0	24.9	26.0	26.9	27.8	28.7	30.2	(x)	(x)
Developed countries ²	525.4	521.2	533.1	541.8	552.0	575.9	591.6	616.9	638.9	657.9	685.1	531	610
Developing countries ²	134.8	143.7	140.8	146.6	146.9	150.9	158.9	170.6	170.6	169.6	167.9	88	45
NATO countries ³	241.8	234.0	241.9	245.3	250.9	266.8	282.2	301.6	317.7	331.0	363.4	461	569
Warsaw Pact countries	272.5	275.2	278.8	282.9	286.1	282.7	293.6	299.3	309.2	306.7	312.5	779	800
Soviet Union	232.5	236.7	236.6	243.2	246.6	252.6	253.4	255.3	259.3	264.0	266.5	948	959
PERCENT OF GNP													
Worldwide, total	5.3	5.0	5.6	5.7	5.6	5.7	5.9	6.1	6.3	6.6	6.1	(x)	(x)
United States	5.7	5.1	5.1	4.9	4.9	5.3	5.8	6.2	6.4	6.3	6.9	(x)	(x)
Developed countries ²	6.1	5.8	5.7	5.6	5.5	5.7	5.9	6.0	6.1	6.0	6.1	(x)	(x)
Developing countries ²	6.9	6.9	6.4	6.4	6.1	5.9	6.1	6.5	6.5	6.2	6.0	(x)	(x)
NATO countries ³	4.8	4.4	4.4	4.3	4.2	4.5	4.7	5.1	5.2	5.2	5.4	(x)	(x)
Warsaw Pact countries ⁴	11.4	11.1	10.9	10.7	10.8	10.9	10.8	10.8	10.7	10.7	10.7	(x)	(x)
Soviet Union ⁴	13.7	13.9	13.0	12.8	12.9	13.0	12.9	12.7	12.6	12.6	12.5	(x)	(x)

X Not applicable. ¹ Includes countries not shown separately. ² Twenty-eight developed countries; see table 634 for selected countries; for complete list see source. ³ North Atlantic Treaty Organization. ⁴ The meaning of the ratio of military expenditures to GNP differs somewhat between most Communist countries and non-Communist countries because of different estimating procedures. For details, see source.

No. 534. ARMS TRADE IN CONSTANT (1984) DOLLARS—SELECTED COUNTRIES: 1984 TO 1985

(In millions of dollars, except percent)

COUNTRY	1984	1985	1986		COUNTRY	1984	1985	1986					
			Total	Arms imports as percent of total imports				Total	Arms imports as percent of total imports				
Arms trade, world total ¹					RECIPIENT COUNTRIES								
	80,080	43,035	34,890	1.7	Developing ¹	49,946	31,749	27,899	6.1				
EXPORTERS					Afghanistan					660	509	565	(NA)
Canada	190	184	113	.1	Algeria	775	445	541	6.6				
China: Mainland	2,000	559	1,036	.4	Angola	1,500	750	1,130	65.7				
Czechoslovakia	900	1,355	1,036	2.1	Argentina	450	174	28	.8				
France	4,100	4,451	3,579	.1	Cuba	1,400	2,092	1,413	15.6				
Poland	975	1,064	1,036	9.1	Egypt	1,800	1,365	777	9.2				
Soviet Union	18,000	14,800	16,850	1.2	El Salvador	60	87	75	(NA)				
United Kingdom	1,500	798	699	.5	Ethiopia	1,200	774	292	29.9				
United States	10,600	11,800	7,157	1	Greece	280	281	104	1.0				
West Germany	2,800	806	386	1	India	1,100	2,225	2,697	18.3				
IMPORTERS					Iran	2,400	1,545	1,095	17.4				
Developed ¹	9,140	10,599	6,989	.4	Iraq	9,900	3,870	4,614	62.7				
Australia	575	665	753	2.1	Israel	775	906	424	4.2				
Canada	300	87	113	.1	Jordan	230	606	311	13.6				
Czechoslovakia	550	591	439	2.1	Kuwait	450	290	122	2.2				
East Germany	725	798	494	1.9	Libya	2,000	1,548	1,120	25.8				
Hungary	200	86	94	.6	Morocco	210	108	75	2.1				
Italy	210	223	180	.2	Nicaragua	350	291	541	68.5				
Japan	950	969	636	.5	North Korea	120	348	386	(NA)				
Poland	320	677	612	3.1	Oman	310	87	9	(NA)				
Romania	90	29	301	2.0	Pakistan	575	464	273	5.4				
Soviet Union	1,200	1,084	1,036	1.2	Peru	130	88	141	5.3				
United Kingdom	850	663	541	.6	Saudi Arabia	3,100	3,580	2,731	(NA)				
United States	470	581	424	.1	South Korea	430	416	471	1.6				
West Germany	500	1,845	245	.1	Spain	140	145	179	.5				
					Syria	2,100	1,451	1,036	(NA)				
					Turkey	480	406	565	5.4				
					Venezuela	370	474	75	.9				
					Vietnam	1,300	1,084	1,507	(NA)				
					Yemen (Sanaa)	80	213	226	(NA)				

NA Not available. ¹ Includes countries not shown separately.Source of tables 633 and 534: U.S. Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers*, annual.

NO. 595. ARMS TRANSFERS—CUMULATIVE VALUE FOR PERIOD 1952-1986, BY MAJOR SUPPLIER AND RECIPIENT COUNTRY

[In millions of dollars]

RECIPIENT	Total ¹	SUPPLIER							
		Union	United States	France	United Kingdom	West Germany	China: Mainland	Poland	Czechoslovakia
World, total ¹	224,425	87,370	81,480	38,448	8,875	6,545	5,480	5,888	4,779
NATO	22,900	80	16,845	280	1,405	1,980	-	-	5
Warsaw Pact	18,155	10,880	-	10	5	20	10	3,470	1,820
OPEC	77,620	23,750	7,620	13,785	2,385	1,225	4,825	685	1,830
Africa ¹	31,280	18,530	1,440	2,280	708	325	525	188	1,480
Algeria	3,730	3,100	220	100	180	80	-	-	10
Angola	5,345	4,900	-	50	-	-	-	10	5
Ethiopia	3,930	3,800	-	-	-	-	-	-	20
Libya	10,180	4,800	-	825	5	70	320	140	1,400
Morocco	1,000	-	280	440	-	-	-	-	-
Mozambique	1,340	1,300	-	-	-	-	-	-	-
Nigeria	1,705	80	140	290	380	80	-	-	10
Sudan	470	-	180	30	10	40	70	-	-
East Asia ¹	23,738	8,870	10,410	285	260	325	385	270	-
China: Mainland	705	310	80	80	100	5	-	-	-
Taiwan	2,800	-	2,200	10	-	-	-	-	-
North Korea	1,410	850	-	20	-	-	250	140	-
Malaysia	1,300	-	320	30	30	200	-	-	-
South Korea	2,180	-	2,100	10	10	-	-	-	-
Thailand	1,040	-	725	5	10	10	30	-	-
Vietnam	8,935	8,800	-	-	-	-	-	130	-
South Asia ¹	14,370	8,388	1,485	1,535	885	135	380	225	180
Afghanistan	2,880	2,800	-	-	-	-	-	-	80
India	9,275	8,800	80	1,300	525	130	-	220	30
Pakistan	2,225	-	1,400	230	20	5	240	-	20
Europe, NATO ¹	18,836	80	15,170	280	485	1,838	-	-	5
Belgium	1,580	-	1,500	70	-	-	-	-	-
Denmark	535	-	500	20	5	-	-	-	-
France	730	-	550	-	140	-	-	-	-
Greece	1,880	80	775	-	-	220	-	-	5
Italy	880	-	875	5	-	-	-	-	-
Netherlands	2,535	-	2,200	5	20	310	-	-	-
Norway	1,210	-	850	10	20	80	-	-	-
Turkey	2,480	-	1,300	30	220	850	-	-	-
United Kingdom	3,270	-	3,200	80	-	-	-	-	-
West Germany	3,455	-	3,200	30	50	-	-	-	-
Europe, Warsaw Pact ¹	18,155	10,880	-	10	5	28	10	3,478	1,820
Bulgaria	2,650	2,400	-	-	-	20	-	210	10
Czechoslovakia	2,840	2,100	-	-	-	-	-	30	-
East Germany	3,430	2,800	-	-	-	-	-	410	50
Hungary	770	420	-	-	-	-	-	120	140
Poland	3,030	2,700	-	-	-	-	-	-	180
Soviet Union	5,500	-	-	-	-	-	-	2,700	1,400
Europe, other ¹	3,888	888	2,148	345	348	85	-	-	80
Spain	1,155	-	725	310	10	50	-	-	-
Sweden	435	-	320	5	80	5	-	-	-
Switzerland	1,035	-	875	20	-	-	-	-	-
Yugoslavia	850	440	100	-	-	-	-	-	-
Latin America ¹	17,180	8,130	1,888	788	188	2,378	-	135	485
Argentina	1,980	-	80	80	-	1,400	-	-	-
Chile	550	-	-	300	80	130	-	-	-
Colombia	800	-	110	-	5	875	-	-	-
Cuba	7,830	6,400	-	-	-	-	-	130	400
Ecuador	830	-	50	70	20	-	-	-	-
Peru	880	310	120	170	-	110	-	-	-
Venezuela	1,275	-	575	30	-	40	-	-	-
Middle East ¹	88,710	28,840	14,885	14,825	3,155	1,225	5,280	835	880
Egypt	7,840	80	3,200	1,500	300	5	625	-	-
Iran	8,405	240	10	40	80	-	1,200	20	30
Iraq	31,740	15,300	-	4,500	70	525	3,300	525	410
Israel	3,700	-	3,700	-	-	-	-	-	-
Jordan	3,355	1,100	725	825	575	-	10	-	-
Kuwait	1,120	220	230	420	20	210	-	-	-
Saudi Arabia	16,715	-	6,100	6,800	-	90	-	-	-
Syria	10,830	8,000	-	20	10	10	110	220	550
Yemen (Sanaa)	1,485	1,300	50	-	-	5	-	70	-
North America	3,480	-	1,800	10	880	480	-	-	-
Canada	1,020	-	1,000	-	-	-	-	-	-
United States	2,470	-	-	10	880	480	-	-	-

¹Represents zero. Includes countries not shown separately.

Source: U.S. Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers, annual*.

No. 536. ARMS DELIVERED BY SELECTED SUPPLIER AND MAJOR WEAPON TYPE: 1952-1955

[The suppliers included are the five largest single exporters of major weapons in terms of magnitude of deliveries as well as other countries of the two major alliances; included are Britain, Greece, Italy, Spain, Turkey, and Yugoslavia]

TYPE OF WEAPON	Total ¹	SUPPLIER						
		United States ²	Other Western Pact	United States ³	France	United Kingdom	Other NATO	Other: Mainland
Land armaments: Tanks.....	12,999	4,948	936	1,333	139	389	186	2,158
Anti-air artillery ⁴	6,344	2,175	369	84	-	-	80	1,885
Field artillery ⁵	18,905	4,480	369	2,076	110	100	5,340	850
Armored personnel carriers.....	30,139	8,380	756	8,380	1,175	279	1,833	1,185
Naval craft: Major surface combatants ⁶	125	51	4	6	14	12	43	2
Other surface combatants ⁶	1,302	109	-	41	878	84	57	21
Submarines.....	51	9	-	-	-	-	6	4
Missile attack boats.....	78	10	-	-	10	2	6	10
Aircraft: Combat aircraft (supersonic).....	2,492	1,440	25	382	225	60	-	180
Combat aircraft (subsonic).....	857	105	-	167	45	70	-	95
Other aircraft ⁷	1,848	285	345	91	85	60	376	35
Helicopters.....	1,751	895	139	391	875	30	139	-
Missiles (surface-to-air).....	27,885	15,540	5,000	2,445	485	1,888	85	245

- Represents zero. ¹ Includes other countries not shown separately. ² United States data are by fiscal years 1952 to 1955, while other suppliers' data are by calendar years 1952 to 1955. ³ Air defense artillery includes weapons over 25 millimeters. ⁴ Field artillery includes mobile rocket launchers, mortars, and recoilless rifles over 100 millimeters. ⁵ Major surface combatants include aircraft carriers, cruisers, destroyers, destroyer escorts, and frigates. ⁶ Minor surface combatants include motor torpedo boats, submarines, and minesweepers. ⁷ Other aircraft include reconnaissance aircraft, trainers, transports, and utility aircraft.

Source: U.S. Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers*, annual.

No. 537. ESTIMATES OF TOTAL DOLLAR COSTS OF AMERICAN WARS

[In millions of dollars, except percent. Service-connected veterans' benefits estimated at 40 percent of total veterans' benefits except as noted]

ITEM	World War II	Vietnam Conflict	Korean Conflict	World War I	Civil War: Union	Civil War: Confederacy	Spanish American War	American Revolution	War of 1812	Mexican War
Original incremental, direct costs: ¹										
Current dollars.....	380,000	140,800	50,000	32,700	2,308	1,000	270	100-140	94	92
Constant (1957) dollars.....	315,008	140,800	50,300	100,000	5,008	2,700	1,100	400-600	175	300
Percent 1 year's GNP.....	126	14	15	49	74	128	2	104	14	4
Service-connected veterans' benefits ²	57,833	23,173	17,084	18,273	8,338	-	2,111	38	30	28
Interest, prnts. on war loans ³	(7)	(7)	(7)	11,000	1,300	(7)	60	80	14	10
Current cost to 1955 ⁴	447,833	183,773	67,084	92,973	6,788	(7)	2,441	170	120	130

- Represents zero. ¹ Figures are rounded and taken from Claudia D. Goldin, *Encyclopedia of American Economic History*, p. 895. ² Total cost to Oct. 1, 1955. For World War I and later wars, benefits are actual service-connected figures from 1955 Annual Report of Veterans Administration. For earlier wars, service-connected veterans' benefits are estimated at 40 percent of total, the approximate ratio of service-connected to total benefits since World War I. ³ Total cost to 1955. Interest payments are a very rough approximation based on the percentage of the original costs of each war financed by money creation and debt, the difference between the level of public debt at the beginning of the war and at its end, and the approximate time required to pay off the war debts. ⁴ Unknown. ⁵ Figures are rounded estimates.

Source: Originally presented in U.S. Congress, Joint Economic Committee, *The Military Budget and National Economic Policies*, Part 1, 81st Congress, 1st session (statement of James L. Clayton); subsequently revised and updated by James L. Clayton, University of Utah, Salt Lake City, Utah.

No. 538. U.S. MILITARY SALES AND ASSISTANCE TO FOREIGN GOVERNMENTS: 1950 TO 1957

[In millions of dollars, except as indicated. For fiscal year ending in year shown; see last section 8. Department of Defense (DDO) sales deliveries cover deliveries against DDO sales orders authorized under Arms Export Control Act, as well as earlier and applicable legislation. For details regarding individual programs, see source]

ITEM	1950-1957 ¹	1976	1978	1980	1981	1982	1983	1984	1985	1986	1987
Military sales agreements.....	54,483	6,690	11,180	12,845	6,005	17,670	15,023	13,745	11,351	7,030	5,899
Weapons and ammunition.....	24,453	2,891	3,575	5,399	1,912	7,145	7,949	6,311	3,535	2,370	1,841
Support equipment ²	8,703	620	2,183	914	949	3,678	1,130	2,034	1,932	703	817
Spare parts and modifications.....	12,332	1,855	2,251	1,589	2,358	3,591	3,224	2,898	2,552	1,752	1,780
Support services.....	11,000	1,523	3,171	3,785	1,365	3,281	2,720	2,702	3,219	2,200	2,501
Military construction sales agreements.....	10,815	847	846	1,586	882	98	723	308	754	70	138
Military sales deliveries ³	33,047	7,521	7,910	7,212	9,084	10,505	12,987	9,547	8,477	7,080	12,010
Military sales financing.....	12,080	2,101	5,873	1,850	3,048	3,594	5,107	5,716	4,940	4,947	4,053
Military assistance programs ⁴	53,223	210	229	285	290	366	413	709	758	792	931
Military assist. program deliveries ⁵	52,672	219	189	435	308	416	173	129	23	27	40
MAET program/deliveries ⁶	15,892	28	27	25	28	44	47	52	55	51	66
Students trained (1,000) ⁷	489	4	4	4	5	6	7	6	7	6	5

¹ Includes transition quarter, July-September 1978. ² Includes aircraft, ships, support vehicles, communications equipment, and other supplies. ³ Includes military construction sales deliveries. ⁴ Includes Military Assistance Service Funded (MAEF) program data, Section 508(a) drawdown authority, and MAP Major Funds as follows: FY 1982-\$134 million; FY 1983-\$334 million; FY 1984-\$842 million; FY 1985-\$788 million; FY 1986-\$762 million; FY 1987-\$905 million. ⁵ Includes Military Assistance Service Funded (MAEF) program data and Section 508(a) drawdown authority.

Source: U.S. Defense Security Assistance Agency, *Foreign Military Sales, Foreign Military Construction Sales, and Military Assistance Facts*, annual, and unpublished data.

NO. 539. U.S. MILITARY SALES DELIVERIES TO FOREIGN GOVERNMENTS, BY COUNTRY: 1950 TO 1987

[In millions of dollars. For fiscal years ending in year shown; see text, section 9. Represents Department of Defense military sales deliveries]

COUNTRY	MILITARY SALES DELIVERIES ¹						PERCENT CHANGE			
	1950-1952 ²	1950	1954	1955	1959	1967	1950-1954	1954-1959	1959-1967	1960-1967
Total ³	75,394.9	12,957.2	9,547.5	9,476.9	7,979.5	12,510.3	-28.5	-11.2	-5.9	92.8
Australia	2,111.4	322.2	398.2	426.3	370.1	819.4	23.6	7.6	-13.6	67.4
Belgium	1,169.8	273.0	195.6	119.4	27.8	27.0	-28.4	-38.0	-78.7	-2.9
Canada	1,566.9	110.8	139.2	73.3	114.4	126.7	25.9	-47.3	56.1	12.5
China, Taiwan	1,954.9	399.2	274.9	339.5	249.0	367.1	-29.4	23.5	26.7	55.5
Denmark	794.7	156.8	40.3	47.4	25.2	62.8	-74.6	17.6	-48.9	149.2
Egypt	1,621.0	1,010.4	317.1	580.3	619.5	1,141.9	-68.5	83.0	6.8	64.3
El Salvador	22.9	26.1	77.0	114.8	108.3	80.3	174.0	49.1	-5.7	-25.9
France	404.0	14.1	45.3	45.5	142.7	100.5	221.3	.4	213.6	-29.6
Greece	1,590.8	159.7	104.9	119.1	73.7	85.8	-33.1	13.5	-36.1	17.9
Indonesia	220.2	29.9	15.7	17.8	12.8	24.3	-45.7	13.4	-28.1	89.8
Israel	8,020.8	260.7	216.1	463.1	195.9	1,374.3	-17.1	123.6	-59.5	601.9
Italy	802.0	28.3	54.0	54.9	86.7	89.8	106.3	1.7	19.7	36.4
Japan	1,175.8	385.5	333.3	389.7	151.3	308.2	-13.5	18.9	-61.2	102.4
Jordan	954.7	269.9	77.0	122.8	62.8	64.6	70.5	56.5	-48.9	3.2
Kuwait	699.8	72.2	46.7	34.0	71.9	83.1	32.5	-30.2	111.5	15.8
Morocco	837.5	50.2	66.6	49.5	37.1	43.3	38.7	-27.9	-25.1	16.7
Netherlands	1,488.1	518.5	402.4	339.4	319.8	459.8	-22.1	-15.7	-5.8	43.9
Norway	1,021.9	254.2	191.4	30.0	43.2	82.3	-24.7	-64.3	44.0	113.7
Pakistan	545.7	255.8	452.9	366.0	148.2	135.2	77.2	21.0	56.8	6.8
Philippines	178.2	10.6	13.8	16.0	37.3	33.8	30.2	15.9	133.1	-9.4
Portugal	29.2	12.5	25.5	97.5	26.5	27.8	104.0	282.4	-72.8	4.9
Saudi Arabia	17,955.6	5,990.5	3,403.5	2,270.7	2,799.6	3,497.0	43.2	-33.3	22.9	25.4
Singapore	219.3	83.4	32.8	22.4	134.9	183.2	-60.7	-31.7	602.2	21.0
South Korea	2,036.2	297.6	258.0	258.3	367.5	403.9	-13.4	1	80.0	4.2
Spain	691.0	66.1	68.0	92.8	236.0	753.0	-3.1	40.6	154.3	219.1
Sudan	155.1	12.3	24.8	25.3	27.7	27.1	100.0	2.6	9.5	-2.2
Thailand	891.4	180.1	164.6	118.9	118.5	100.7	2.9	-27.9	-3	-15.0
Turkey	96.2	24.7	64.7	154.6	26.0	44.3	242.9	62.8	-83.2	70.4
Turkey	978.3	150.2	306.0	389.7	290.3	296.1	103.7	27.4	-25.5	2.0
United Kingdom	3,119.6	478.3	446.7	386.4	363.8	228.4	-8.6	-13.5	-5.8	-37.2
Venezuela	264.4	32.6	136.5	243.2	80.3	51.1	318.2	78.2	-67.0	-36.4
West Germany	7,144.0	322.6	336.1	222.2	206.3	344.3	4.2	-33.9	-7.2	66.9

¹ Includes military construction sales deliveries.

² Includes transactions for the transition quarter, July-September 1976.

³ Includes countries not shown.

Source: U.S. Defense Security Assistance Agency, *Foreign Military Sales, Foreign Military Construction Sales, and Military Assistance Facts*, annual.

NO. 540. SUMMARY OF MAJOR MILITARY FORCES: 1980 TO 1988

[As of September 30]

CATEGORY	1980	1981	1982	1983	1984	1985	1986	1987	1988
Strategic forces:									
Land-based ICBMs	1,054	1,053	1,053	1,042	1,037	1,026	1,013	1,005	1,000
Sea-launched BMs	578	600	592	588	640	648	640	640	674
Strategic bombers	413	410	410	356	328	326	347	369	423
Strategic interceptors	292	279	261	261	266	264	264	252	252
General purpose forces (active):									
Army Divisions	16	16	16	16	16	17	18	18	18
Marine Corps Divisions	3	3	3	3	3	3	3	3	3
Air Force Tactical Aircraft	3,813	3,991	4,133	4,303	4,352	4,406	4,461	4,396	4,470
Navy/Marine Corps Tactical Aircraft	2,013	2,029	1,968	1,929	1,905	1,970	1,974	1,962	1,962
Naval forces:									
Aircraft carriers	13	12	13	13	13	13	13	14	14
Battleships	-	-	-	1	2	2	3	3	3
Nuclear attack submarines	74	82	91	93	94	96	97	98	98
Other warships	180	185	197	191	197	204	204	206	195
Amphibious assaults ¹	63	59	59	61	59	60	60	61	62
Airlift and sealift forces:									
C-5 aircraft (PAA)	70	70	70	70	70	70	75	84	102
Other Air Force aircraft (PAA)	820	808	795	782	769	767	766	769	781
Navy and Marine Corps Tactical Support Aircraft (PAA)	66	66	66	66	66	66	66	67	67
Ships (NDRF)	164	173	165	192	202	214	220	221	209

- Represents zero. ¹ Excludes reserve forces' amphibious ships.

Source: The Congress of the United States, Congressional Budget Office, *An Analysis of the President's Budgetary Proposals for Fiscal Year 1989*. Data from Dept. of Defense.

NO. 541. ACTIVE DUTY MILITARY PERSONNEL—U.S./SOVIET UNION SUMMARY: 1990 TO 1997

(In thousands, except persons)

ITEM	1990	1991	1992	1993	1994	1995	1996	1997	Net change 1990-1997
Strategic nuclear services:									
United States ¹	140	137	140	139	139	134	130	98	-42
Soviet Union ²	901	912	776	773	773	773	806	806	-96
Tactical/mobility services:									
United States	1,510	1,344	1,369	2,080	2,049	2,061	2,072	2,057	157
Army	776	791	790	779	781	778	775	775	-1
Navy	806	621	534	538	545	554	581	598	80
Air Force	440	452	483	518	523	531	537	536	96
Marine Corps	188	190	192	195	197	198	198	200	12
Soviet Union	3,399	3,736	3,703	3,905	3,905	3,953	3,963	3,576	367
Ground Forces ³	2,450	2,882	2,840	2,930	3,020	3,030	3,030	2,900	380
Navy	407	416	418	429	436	463	483	440	33
Air Force ⁴	490	428	451	451	453	454	454	430	-
Naval Infantry	—	13	14	15	16	16	16	16	4

— Represents zero. ¹ 1990 and 1997 reflect changes in counting rules, not actual reductions. ² Sudden decreases in 1992 resulted from the Soviet reorganization of its former long-range aviation and air defense forces. ³ Increases in 1991 resulted from reevaluation and Soviet operations in Afghanistan. Decrease in 1997 was a result of reassessment. ⁴ Reduction in 1997 was due to reassessment.

NO. 542. INTERCONTINENTAL BALLISTIC MISSILES (ICBMs), SUBMARINES, AND BOMBERS—U.S. AND SOVIET UNION BALANCE: 1990 TO 1997

WEAPON SYSTEM	1990	1991	1992	1993	1994	1995	1996	1997	Net change 1990-1997
ICBMs:									
United States ¹	1,002	1,002	1,049	1,040	1,030	1,017	959	905	-56
Minuteman I	450	450	450	450	450	450	450	450	-
Minuteman II	550	550	550	550	550	550	534	514	-36
Peacekeeper (PGO)	—	—	—	—	—	—	10	32	32
Soviet Union	1,388	1,388	1,388	1,388	1,388	1,388	1,418	1,388	-8
SS-11	840	880	880	820	820	448	440	420	-220
SS-13	80	80	80	80	80	80	80	80	-
SS-17	150	150	150	150	150	150	150	145	-5
SS-16	308	308	308	308	308	308	308	308	-
SS-19	840	300	330	350	350	350	350	350	110
Warheads:									
United States	3,152	3,152	2,148	2,140	2,130	2,117	2,157	2,312	180
Soviet Union	5,002	5,302	5,892	5,430	5,430	5,430	5,440	5,460	1,398
Submarine systems:									
SLBMs:									
United States ¹	576	612	650	686	682	690	640	640	84
Trident I	80	112	200	254	258	312	364	364	304
Poseidon	416	384	320	304	304	288	256	286	-180
Soviet Union ¹	986	986	986	951	946	931	957	986	-16
SS-N-6	484	416	384	368	336	304	272	268	-208
SS-N-8	292	292	292	292	292	292	292	292	-6
SS-N-17	12	12	12	12	12	12	12	12	-
SS-N-18	180	206	224	224	224	224	224	224	64
Warheads:									
United States	4,880	4,752	4,800	5,152	5,344	5,378	5,532	5,828	752
Soviet Union	1,825	1,817	1,898	1,957	2,122	2,307	2,585	2,941	1,316
Bombers:									
United States ¹	376	376	365	297	297	297	312	368	-13
B-1B	—	—	—	—	—	—	89	91	91
B-52G	151	151	151	151	151	151	150	150	-1
B-52H	90	90	90	90	90	90	94	94	-6
F-111	90	90	90	56	56	56	52	48	-12
Soviet Union ¹	220	226	245	280	300	325	325	326	106
Tu-95 BEAR	100	100	100	100	100	100	100	100	-
Tu-95 BEAR-H	—	—	—	—	25	80	80	80	80
Tu-22M Backfire	76	80	100	115	130	145	150	150	90

— Represents zero. X Not applicable. ¹ Includes weapons not shown separately. ² Submarine-launched ballistic missiles.

Source of tables 541 and 542: The Congress of the United States, Congressional Research Service, *U.S./Soviet Military Balance, Statistical Trends, 1990-1997*, April 15, 1998.

No. 543. DEPARTMENT OF DEFENSE MANPOWER: 1950 TO 1986

[In thousands, except as indicated. For fiscal year ending in year shown]

YEAR	Total defense manpower	Defense related employment in industry	Total DOD manpower ¹	ACTIVE DUTY MILITARY						MILITARY RETIREES	
				Personnel					Payroll total ⁴ (bil. dol.)	Number (1,000)	Pension payments (bil. dol.)
				Total military ²	Army	Navy ³	Marine Corps	Air Force			
1950	2,902	713	2,169	1,459	593	381	74	411	(NA)	133	(NA)
1955	6,953	2,500	4,453	2,935	1,109	681	205	950	(NA)	181	(NA)
1960	6,165	2,460	3,705	2,475	873	617	171	815	(NA)	255	(NA)
1961	6,301	2,600	3,701	2,483	859	626	177	821	(NA)	291	(NA)
1962	8,773	2,725	4,048	2,800	1,066	664	191	854	(NA)	327	(NA)
1963	8,466	2,550	3,918	2,699	976	654	190	869	(NA)	(NA)	(NA)
1964	6,142	2,260	3,882	2,666	973	606	190	957	(NA)	432	(NA)
1965	5,937	2,125	3,812	2,654	899	670	190	825	(NA)	481	(NA)
1966	6,906	2,640	4,348	3,092	1,200	743	262	887	(NA)	525	(NA)
1967	7,876	3,100	4,776	3,375	1,442	750	285	897	(NA)	584	(NA)
1968	8,126	3,174	4,954	3,546	1,570	764	307	905	(NA)	544	2.0
1969	7,767	2,916	4,851	3,456	1,512	774	310	862	(NA)	707	2.2
1970	6,829	2,399	4,430	3,065	1,322	691	260	791	19.4	765	2.5
1971	5,934	2,031	3,903	2,713	1,124	622	212	755	19.2	623	3.1
1972	5,467	1,965	3,482	2,322	811	587	196	726	19.8	661	3.6
1973	5,202	1,880	3,352	2,252	601	584	198	691	20.3	935	4.1
1974	5,132	1,860	3,272	2,162	763	546	189	644	19.9	990	4.9
1975	5,006	1,800	3,206	2,126	764	535	196	613	20.2	1,044	6.1
1976	4,819	1,690	3,129	2,062	779	525	192	585	20.4	1,066	7.3
1977	4,829	1,730	3,099	2,075	782	530	192	571	21.0	1,155	6.2
1978	4,848	1,765	3,083	2,062	772	530	191	570	21.0	1,192	9.0
1979	4,863	1,690	3,023	2,027	759	523	185	559	22.7	1,228	10.3
1980	5,054	1,990	3,054	2,051	777	527	186	558	24.2	1,265	11.9
1981	5,205	2,065	3,120	2,063	781	540	191	570	26.1	1,289	13.7
1982	5,466	2,310	3,158	2,109	780	553	192	583	32.9	1,313	14.9
1983	5,757	2,530	3,227	2,123	780	558	194	592	27.7	1,333	15.9
1984	6,054	2,785	3,269	2,136	780	565	195	597	26.9	1,355	16.4
1985	6,363	3,050	3,333	2,151	781	571	196	602	29.8	1,374	17.0
1986	6,620	3,275	3,345	2,169	781	581	199	606	31.3	1,390	17.8
1987	6,692	3,325	3,367	2,174	781	587	200	607	34.0	1,406	18.9
1988	6,720	3,350	3,370	2,247	781	593	200	599	(NA)	(NA)	(NA)

NA Not available. ¹ Includes civil service employees. ² Beginning 1960, excludes Navy Reserve personnel in active duty for Training and Administration of Reserves (TARS). From 1969, includes the Full-Time Guard and Reserve. ³ Prior to 1960, includes Navy Reserve personnel on active duty for Training and Administration Reserve (TARS). ⁴ Beginning 1963, data not strictly comparable with earlier years.

Source: U.S. Department of Defense, *National Defense Budget Estimates for FY 1988/1989, April 1988; Atlas Data Abstract for the United States and selected areas; and DOD Statistical Report on The Military Retirement System, annual, and Selected Manpower Statistics, annual.*

No. 544. MILITARY PERSONNEL ON ACTIVE DUTY, BY SERVICE: 1975 TO 1987

[In thousands. As of end of fiscal year; see text, section 9. Includes National Guard, Reserve, and retired regular personnel on extended or continuous active duty. Excludes Coast Guard, Military cadets, Naval Academy midshipmen, Air Force Academy cadets, and other officer candidates are included under enlisted personnel. See also *Historical Statistics, Colonial Times to 1970*, series Y 904-916]

BRANCH OF SERVICE	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total	2,120	2,062	2,075	2,062	2,027	2,051	2,062	2,109	2,123	2,135	2,151	2,190	2,174
Percent officers	13.7	13.5	13.3	13.3	13.5	13.5	13.7	13.8	14.1	14.2	14.4	14.3	14.1
Army	784	779	782	772	759	777	781	780	780	780	781	781	781
Officers	103	99	98	98	97	99	102	103	106	106	110	110	103
Enlisted	678	678	680	670	667	674	675	673	689	688	667	667	688
Navy	535	525	530	530	523	527	540	553	558	565	571	561	567
Officers	65	64	63	63	62	63	65	67	68	68	71	72	72
Enlisted	468	466	462	463	457	460	470	481	485	491	495	504	510
Marine Corps	196	192	192	191	185	186	191	192	194	196	196	199	200
Officers	19	19	19	18	18	18	18	19	20	20	20	20	20
Enlisted	177	174	173	172	167	170	172	173	174	176	176	179	179
Air Force	613	585	571	570	559	558	570	583	592	597	602	606	607
Officers	105	100	96	95	96	98	99	102	105	106	109	109	107
Enlisted	503	481	470	470	459	456	467	476	483	489	499	495	495

Source: U.S. Dept. of Defense, *Selected Manpower Statistics, annual.*

No. 545. MILITARY PERSONNEL ON ACTIVE DUTY, BY LOCATION: 1970 TO 1987

[In thousands. 1970 and 1975 as of Dec. 31; thereafter, as of end of fiscal year; see text, section B]

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Total	2,574	2,084	2,061	2,063	2,109	2,123	2,126	2,151	2,169	2,174
Shore-based ¹	2,527	1,984	1,940	1,959	1,980	1,999	1,998	1,998	1,999	1,998
Naval effort ²	247	200	211	214	229	234	230	231	240	246
United States ³	1,987	1,830	1,582	1,581	1,580	1,604	1,628	1,636	1,644	1,650
Foreign countries	587	455	458	502	529	519	510	519	526	524

¹ Includes Navy personnel temporarily on shore. ² Includes Marine Corps. ³ Includes outlying areas.Source: U.S. Dept. of Defense, *Selected Manpower Statistics*, annual; and unpublished data.

No. 546. COAST GUARD PERSONNEL ON ACTIVE DUTY: 1970 TO 1987

[As of end of fiscal year; see text, section B]

YEAR	Total	Officers	Cadets	Enlisted	YEAR	Total	Officers	Cadets	Enlisted
1970	37,699	5,512	895	31,294	1983	38,708	6,695	811	32,392
1975	36,786	5,889	1,177	29,891	1984	38,795	6,799	799	31,198
1976	36,559	5,940	895	31,419	1985	38,895	6,775	733	31,087
1980	36,361	6,488	877	32,041	1986	37,584	6,577	754	29,953
1981	36,780	6,519	991	32,260	1987	38,576	6,844	869	31,073
1982	36,248	6,491	398	30,915					

Source: U.S. Dept. of Transportation, *Annual Report of the Secretary of Transportation*.

No. 547. VIETNAM CONFLICT—U.S. MILITARY FORCES IN VIETNAM, AND CASUALTIES: 1957 TO 1986

[Military forces as of Dec. 31. All U.S. forces withdrawn by Jan. 27, 1973]

ITEM	Unit	1957-1966, total	1967-1968	1969	1970	1971	1972	1973	1974	1975	1976	1977-1986
Military forces	1,000	(c)	23.5	154.3	305.3	485.2	935.1	475.2	234.6	185.8	94.2	-
Battle deaths ²	Number	47,378	279	1,432	5,047	9,465	14,823	9,426	4,230	1,379	381	1,141
Killed	Number	36,080	187	1,184	4,142	7,525	12,684	8,117	3,486	1,062	305	28
Died of wounds	Number	5,198	10	111	579	979	1,589	1,188	555	180	25	8
Died while missing ³	Number	3,682	72	187	326	960	401	141	189	134	125	1,108

- Represents zero. X Not applicable. ¹ For 1964 only. ² Casualties from enemy action. Deaths exclude 10,788 servicemen who died in accidents or from disease. ³ Includes servicemen who died while captured.

Source: National Archives and Records Administration, "Combat Area Casualty File," (S-330-88-3).

No. 548. ARMED FORCES PERSONNEL—SUMMARY OF MAJOR CONFLICTS

[For Revolutionary War, number of personnel serving not known, but estimates range from 184,000 to 280,000; for War of 1812, 286,730 served; for Mexican War, 78,719 served. Dates of the major conflicts may differ from those specified in various laws providing benefits for veterans. See table 547 for data on Vietnam conflict. See also *Historical Statistics, Colonial Times to 1870*, series Y 858-803]

ITEM	Unit	Civil War ¹	Spanish-American War	World War I	World War II	Korean conflict	Vietnam conflict
Personnel serving	1,000	2,213	387	4,738	2,14,113	2,6,720	2,6,744
Average duration of service	Months	30	8	12	33	19	23
Service abroad: Personnel serving	Percent	(NA)	28	63	78	68	(NA)
Average duration ²	Months	(NA)	1.5	6.5	15.2	13.4	(NA)
Casualties: ³ Battle deaths	1,000	140	(c)	63	232	34	47
Wounds not mortal	1,000	292	2	204	671	109	163
Disfaced: Classified	1,000	777	(c)	24,234	36,677	9,123	2,75,717
Examined	1,000	622	(c)	3,784	17,965	3,986	2,5,611
Rejected	1,000	160	(c)	808	6,420	1,169	2,3,680
Inducted	1,000	46	(c)	2,630	10,022	1,580	2,1,788

NA Not available. X Not applicable. Z Fewer than 500. ¹ Union forces only. Estimates of the number serving in Confederate forces range from 800,000 to 1.5 million. ² Covers Dec. 1, 1941, to Dec. 31, 1946. ³ Covers June 26, 1950, to July 27, 1953. ⁴ Covers Aug. 4, 1964, to Jan. 27, 1973. ⁵ Army and Marine only. ⁶ Excludes Navy. Covers July 1960 through Jan. 1965. Far East area only. ⁷ During hostilities only. ⁸ For periods covered, see footnotes 2, 3, and 4. ⁹ Covers Jan. 1, 1961, to Jan. 27, 1973.Source: The President's Commission on Veterans' Pensions, *Veterans' Benefits in the United States*, vol. 1, 1959; and U.S. Dept. of Defense, unpublished data.

No. 549. ENLISTED MILITARY PERSONNEL ACCESSIONS: 1960 TO 1967

[In thousands. For years ending Sept. 30]

BRANCH OF SERVICE	1960	1966	1966	1967	BRANCH OF SERVICE	1960	1966	1966	1967
Total	582	526	551	534	Navy	127	117	123	117
First enlistments.....	356	267	290	290	First enlistments.....	75	67	70	66
Reenlistments.....	204	216	226	225	Reenlistments.....	36	50	53	51
Reserves to active duty.....	22	26	26	29	Marine Corps.....	80	64	66	63
Army.....	885	200	216	211	First enlistments.....	42	36	35	36
First enlistments.....	163	117	127	122	Reenlistments.....	15	19	20	18
Reenlistments.....	97	64	89	69	Air Force	132	132	131	134
					First enlistments.....	78	68	67	66
					Reenlistments.....	56	64	64	68

Source: U.S. Dept. of Defense, *Selected Manpower Statistics*, annual; and *Military Manpower Statistics*, quarterly.

No. 550. RESERVE OFFICERS TRAINING CORPS (ROTC)—ENROLLMENT: 1970 TO 1967

[In thousands. For May, or end of school year. Jr. ROTC refers to enrollment in high schools, academies, junior colleges, and National Defense Cadet Corps schools; includes Jr. ROTC in all service branches]

ITEM	1970	1974	1975	1976	1977	1979	1975	1980	1981	1983	1980	1984	1980	1986	1987
Senior ROTC	123	56	61	68	76	80	64	91	100	103	99	111	99	93	96
Junior ROTC	126	155	164	158	152	156	144	168	158	191	176	212	216	218	212

Source: U.S. Dept. of Defense, unpublished data.

No. 551. MILITARY PERSONNEL ON ACTIVE DUTY AND MONTHLY BASIC PAY: 1964 TO 1968

[Personnel as of Sept. 30; basic pay as of January, except as noted]

RANK/GRADE	PERSONNEL (1,000)				MONTHLY BASIC PAY (dollars)				
	1964	1965	1966	1967	1964	1965	1965 ¹	1967	1966
Total ²	2,198.2	2,151.0	2,169.1	2,174.2	(x)	(x)	(x)	(x)	(x)
Recruit—E-1	129.8	127.6	132.6	110.5	596	620	639	668	671
Private—E-2	137.2	140.8	148.7	160.3	609	695	716	738	753
Pvt. 1st class—E-3	370.1	336.3	328.6	337.2	695	723	745	767	782
Corporal—E-4	422.7	444.4	443.9	447.2	779	810	835	850	876
Sergeant—E-5	350.8	358.2	381.1	363.0	942	960	1,009	1,040	1,060
Staff Sgt.—E-6	231.5	237.8	241.6	245.5	1,250	1,300	1,339	1,379	1,407
Sgt. 1st class—E-7	127.0	131.9	133.4	134.9	1,523	1,584	1,631	1,680	1,714
Master Sgt.—E-8	37.8	36.5	39.0	39.4	1,748	1,818	1,873	1,929	1,908
Sgt. Major—E-9	14.3	15.1	15.5	15.4	2,100	2,164	2,249	2,317	2,363
Warrant Officer—W-1	2.7	2.4	2.2	2.1	1,438	1,495	1,540	1,586	1,618
Chief Warrant—W-4	2.8	3.2	3.3	3.4	2,627	2,732	2,814	2,898	2,956
2d Lt.—O-1	39.5	39.7	39.2	34.5	1,143	1,189	1,224	1,261	1,266
1st Lt.—O-2	41.6	42.7	44.4	45.1	1,438	1,495	1,540	1,586	1,618
Captain—O-3	101.7	104.4	104.7	105.9	2,082	2,176	2,241	2,308	2,354
Major—O-4	52.3	53.3	54.4	53.7	2,848	2,754	2,836	2,921	2,956
Lt. Colonel—O-5	32.6	32.8	32.7	33.0	3,282	3,413	3,516	3,621	3,604
Colonel—O-6	14.6	14.7	14.8	14.8	4,183	4,330	4,490	4,593	4,665
Brig. General—O-7 .....	.5	.5	.5	.5	4,738	4,928	5,075	5,228	5,333
Major General—O-8 .....	.4	.4	.4	.4	5,450	5,667	³ 5,725	³ 5,990	³ 6,042
Lt. General—O-9 .....	.1	.1	.1	.1	³ 5,500	³ 5,725	³ 5,725	³ 5,900	³ 6,042
General—O-10	(z)	(z)	(z)	(z)	³ 5,500	³ 5,725	³ 5,725	³ 5,900	³ 6,042

X Not applicable. Z Less than 50. ¹ As of October 1965. ² Includes cadets and midshipmen and warrant officers, W-2 and W-3. ³ Statutory limitation.

Source: U.S. Dept. of Defense, Office of the Comptroller, *Selected Manpower Statistics*, annual, and unpublished data.

No. 552. DISCHARGES, DEERTION AND ABSENT-WITHOUT-AUTHORITY RATES FOR MILITARY PERSONNEL: 1970 TO 1987

(For fiscal year ending in year shown; see text, section 2. Rate per 1,000 average end-of-month strength)

YEAR	Total discharges	Honorable ^{1,2}	General ^{1,3}	Other than honorable ^{1,4}	Bad conduct ^{1,5}	Dis-honorable ^{1,6}	De-ertion rate ⁷	Absent-without-authority rate ⁸
1970	1,136,140	1,081,568	29,394	20,911	3,864	375	33.6	66.3
1975	982,952	903,053	40,680	27,015	3,887	298	29.3	66.8
1980	541,558	489,980	23,841	15,853	2,842	272	17.9	49.8
1982	523,014	486,006	33,294	18,071	4,053	380	10.9	34.3
1983	⁹ 531,395	447,511	35,582	23,176	5,767	139	8.7	23.4
1984	¹⁰ 517,807	423,000	32,194	24,883	5,617	288	6.5	20.8
1985	¹⁰ 505,640	426,244	27,699	20,827	4,899	287	6.3	17.1
1986	¹⁰ 512,462	426,831	26,381	21,790	3,186	946	6.2	16.9
1987	¹⁰ 508,135	430,530	22,808	20,083	3,366	675	6.1	16.2

¹ Administrative discharges. ² Based on proper military behavior and proficient performance of duty; honest and faithful service. ³ Discharge under honorable conditions; satisfactory service; military record not sufficiently meritorious for honorable discharge. ⁴ Unsatisfactory service (misconduct, security or resignation/request for discharge). ⁵ Punitive, resulting from trial by court-martial. ⁶ Usually punishment for repeated convictions of minor offenses or less serious felony type offenses. ⁷ Awarded after conviction of serious offenses usually recognized by civil law as felonies, or of military offenses requiring severe punishment. ⁸ Absent without authority more than 30 days. ⁹ For 30 days or less. ¹⁰ Includes uncharacterized discharges, not shown separately.

Source: U.S. Dept. of Defense, unpublished data.

No. 553. MILITARY RESERVE PERSONNEL: 1970 TO 1987

(In thousands. As of end of fiscal year; see text, section 2. Excludes U.S. Coast Guard Reserve. The ready reserve includes selected reservists who are intended to assist active forces in a war and the individual ready reserve who, in a major war, would be used to fill out active and reserve units and later would be a source of combat replacements; a portion of the ready reserve serves in an active status. The standby reserve cannot be called to active duty unless the Congress gives its explicit approval. The retired reserve represents a low potential for mobilization.)

RESERVE STATUS AND BRANCH OF SERVICE	1970	1975	1979	1980	1985	1981	1982	1983	1984	1985	1986	1987
Total reserves	2,868	2,116	2,166	2,166	2,166	2,267	2,266	2,265	2,319	2,370	2,434	2,488
Ready reserve	2,574	1,838	1,144	1,089	1,089	1,317	1,369	1,418	1,461	1,580	1,613	1,630
Standby reserve	482	412	183	86	86	65	52	44	44	44	41	36
Retired reserve	873	715	781	821	821	865	836	822	775	760	760	798
Army	2,221	1,631	1,179	1,179	1,219	1,337	1,380	1,409	1,438	1,491	1,596	1,609
Navy	608	621	495	427	439	436	415	423	425	431	464	471
Air Force	810	804	506	509	514	494	476	482	487	459	468	478

Source: U.S. Dept. of Defense, *Official Guard and Reserve Manpower Strengths and Statistics*, quarterly.

No. 554. MILITARY RESERVE COSTS: 1970 TO 1987

(In millions of dollars. As of end of fiscal year; see text, section 2. Army and Air Force data include National Guard)

TYPE OF COST	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total	2,547	4,799	7,046	7,877	9,870	10,370	12,073	15,544	18,438	18,438	18,881
Operations and maintenance	994	2,082	2,951	3,526	4,164	4,716	5,137	5,128	5,734	5,734	6,168
Personnel	1,083	1,879	2,031	2,369	3,012	3,778	4,633	3,767	7,704	7,704	6,382
Procurement	518	518	1,506	1,855	1,855	1,008	1,627	5,923	5,003	5,003	3,322
Active-duty support	234	324	388	406	506	556	396	433	991	991	608
Construction	49	176	172	122	238	314	291	303	408	371	480

Source: U.S. Dept. of Defense, unpublished data.

No. 555. NATIONAL GUARD—SUMMARY: 1970 TO 1987

(As of end of fiscal year; see text, section 2. Includes Puerto Rico)

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Army National Guard: Units	Number	3,862	3,245	3,379	3,389	3,482	3,439	4,351	4,583	5,712	6,128
Personnel ¹	1,000	410	403	389	391	409	418	434	438	446	452
Funds obligated ²	MIL dol	758	1,322	1,802	2,189	2,708	2,980	3,089	4,367	4,825	4,985
Value of equipment	MIL dol	1,500	4,100	7,800	8,100	8,800	13,100	14,300	16,800	19,700	22,300
Air National Guard: Units	Number	889	1,199	1,084	1,084	1,089	1,185	1,388	1,584	1,886	1,426
Personnel ¹	1,000	80	86	87	98	101	102	105	109	113	118
Funds obligated ²	MIL dol	487	680	1,675	1,957	2,286	2,478	2,489	2,513	2,808	2,885
Value of equipment (est.) ³	MIL dol	(NA)	3,100	5,200	6,000	5,800	6,300	17,500	21,400	26,100	23,000

NA Not available. ¹ Officers and enlisted men. ² Federal funds; includes personnel, operations, maintenance, and military construction. ³ Beginning 1984, increase due to rounding of amount to current year dollars to reflect true replacement value.

Source: National Guard Bureau, *Annual Review of the Chief, National Guard Bureau*, and unpublished data.

No. 556. LIVING VETERANS—STATES AND OTHER AREAS: 1970 TO 1987

(Estimates in thousands. As of end of fiscal year; see text, section 2. Data were estimated starting with veteran's place of residence as of April 1, 1988, based on 1980 Census of Population data, extended to later years on the basis of estimates of veteran interstate migration, expirations from the Armed Forces, and mortality; not directly comparable with earlier estimates previously published by the VA. Excludes 423,000 veterans whose only active-duty military service occurred since September 8, 1980, and who failed to satisfy the minimum service requirement. Also excludes a small indeterminate number of National Guard personnel or reservists who incurred service-connected disabilities while on an initial tour of active duty for training only.)

YEAR AND STATE OR OTHER AREA	Total veterans ¹	WAR VETERANS							Service between Korea and Vietnam only	Post-Vietnam era ²
		Total ³	World War I	World War II ⁴	Korean conflict		Vietnam era			
					Total ⁵	No service in World War II	Total ⁶	No service in Korean conflict		
1970	26,976	22,180	1,426	13,987	5,440	4,167	4,100	3,818	2,173	60
1980	26,540	22,985	481	11,720	5,434	4,331	8,118	7,453	3,086	1,120
1981	26,589	23,716	404	11,481	5,393	4,306	8,175	7,513	3,076	1,280
1982	26,399	23,421	348	11,241	5,349	4,280	8,210	7,551	3,084	1,479
1983	26,202	23,108	297	10,978	5,294	4,249	8,238	7,584	3,051	1,689
1984	26,027	22,782	230	10,700	5,237	4,215	8,283	7,618	3,037	1,808
1985	27,732	22,274	208	10,248	5,135	4,143	8,215	7,578	3,008	2,006
1986	27,862	22,017	171	10,076	5,105	4,134	8,264	7,608	3,004	2,288
1987, total	27,488	21,848	148	9,786	5,034	4,066	8,270	7,583	2,997	2,473
United States	27,344	21,851	148	9,736	5,036	4,068	8,236	7,518	2,976	2,466
Alabama	408	319	2	142	84	67	122	108	43	38
Alaska	71	56	(2)	14	11	9	34	22	8	8
Arizona	407	324	2	154	75	65	129	113	38	38
Arkansas	287	208	2	89	47	38	80	71	28	27
California	2,844	2,281	14	1,017	574	428	806	620	308	211
Colorado	388	313	2	116	76	68	154	138	44	37
Connecticut	383	314	2	180	74	62	104	88	48	28
Delaware	78	61	(2)	28	14	11	23	21	8	8
District of Columbia	58	48	(2)	22	12	9	15	14	6	6
Florida	1,477	1,201	11	654	282	185	404	341	125	124
Georgia	651	500	2	198	121	94	231	208	88	72
Hawaii	101	80	2	32	21	18	37	32	11	9
Idaho	117	91	1	38	30	18	38	36	13	11
Illinois	1,284	988	6	451	218	158	346	308	147	106
Indiana	847	480	3	208	111	88	188	183	75	74
Iowa	336	285	3	110	68	58	102	100	35	32
Kansas	286	230	2	103	62	43	88	82	31	22
Kentucky	388	291	2	128	67	57	110	108	40	31
Louisiana	432	337	2	148	76	61	137	128	48	42
Maine	154	121	1	54	28	23	47	44	18	15
Maryland	630	416	2	189	106	81	164	148	60	48
Massachusetts	685	547	4	278	125	104	172	163	78	65
Michigan	1,023	782	5	338	188	152	308	288	117	113
Minnesota	486	388	3	155	88	78	158	152	60	44
Mississippi	234	183	1	88	46	36	88	78	34	22
Missouri	838	488	4	221	117	98	188	175	88	58
Montana	106	84	1	34	18	15	38	34	12	8
Nebraska	186	147	1	62	38	31	67	53	21	17
Nevada	137	108	(2)	48	28	22	47	41	17	11
New Hampshire	141	110	1	48	28	21	48	43	18	14
New Jersey	857	706	4	367	184	141	214	204	104	84
New Mexico	172	136	1	67	32	24	58	53	18	18
New York	1,858	1,482	10	731	322	287	444	428	305	183
North Carolina	682	588	3	244	127	104	207	187	88	85
North Dakota	72	56	(2)	21	12	11	24	23	8	7
Ohio	1,302	1,007	6	458	217	181	365	353	144	136
Oklahoma	401	322	2	138	74	57	138	128	41	32
Oregon	380	278	2	117	57	48	118	112	38	29
Pennsylvania	1,534	1,208	7	601	282	235	388	375	171	125
Rhode Island	120	87	1	48	22	18	32	30	11	10
South Carolina	351	275	1	120	68	52	118	101	38	35
South Dakota	78	62	1	28	16	14	22	21	8	8
Tennessee	524	410	2	177	82	77	167	154	68	51
Texas	1,785	1,401	7	574	322	248	632	572	181	188
Utah	154	124	1	51	28	22	58	50	17	12
Vermont	64	46	(2)	20	11	8	20	18	7	7
Virginia	888	623	2	229	144	108	225	188	71	68
Washington	591	488	3	188	113	85	217	195	88	80
West Virginia	224	178	1	88	38	32	68	62	23	20
Wisconsin	585	432	4	180	93	83	188	165	72	66
Wyoming	88	47	(2)	18	10	8	23	22	7	6
Puerto Rico	125	86	(2)	30	35	32	35	38	12	17

X Not applicable. Z Fewer than 500. ¹ Beginning 1980, includes peace-time veterans not shown separately, who served only between World War I and World War II, and those who served only between World War II and the Korean conflict. ² Veterans who served in both World War II and the Korean conflict, or in both the Korean conflict and the Vietnam era, are counted only once. ³ Includes 945,000 who served in both World War II and the Korean conflict. ⁴ Includes 618,000 who served in both the Korean conflict and the Vietnam era. ⁵ Service only after May 7, 1958. ⁶ There are also 3 living Spanish-American War veterans whose median age is 102 years, and 30 living Mexican Border conflict veterans.

Sources: U.S. Veterans Administration, Office of Information Management and Statistics, *Veteran Population September 30, 1987*, September, 1987, R08 70-6861.

No. 537. VETERANS LIVING IN THE U.S. AND PUERTO RICO, BY AGE AND PERIOD OF SERVICE: 1967

[In thousands, except as indicated. As of Sept. 30, following. Excludes 428,000 veterans whose only active duty military service occurred since Sept. 30, 1955. See footnote, table 538. See also *Monthly Statistics, Calendar Years to 1970*, series Y 943-950, for all veterans.]

AGE	Total veterans	WARTIME VETERANS							PEACETIME VETERANS			
		Total ¹	Vietnam era		Korean conflict		World War II & I	World War I	Total	Post- Vietnam era ²	Service be- tween Korean conflict and Viet- nam era only	Other peacetime ³
			Total ⁴	No prior war- time service	Total ⁵	No prior war- time service ⁶						
All ages.....	27,468	21,645	8,270	7,892	5,604	4,680	8,795	148	4,823	2,473	2,867	288
Under 24 years old.....	326	-	-	-	-	-	-	-	326	326	-	-
25-29 years old.....	1,198	50	50	50	-	-	-	-	1,148	1,148	-	-
30-34 years old.....	1,881	934	934	934	-	-	-	-	747	747	-	-
35-39 years old.....	2,775	2,898	2,898	2,898	-	-	-	-	179	170	9	-
40-44 years old.....	3,240	2,808	2,808	2,808	-	-	-	-	331	42	290	-
45-49 years old.....	2,442	986	931	889	62	62	-	-	1,466	22	1,434	-
50-54 years old.....	2,754	1,587	336	185	1,412	1,412	-	-	1,157	13	1,112	32
55-59 years old.....	3,314	3,081	885	41	2,542	2,379	671	-	223	5	118	89
60-64 years old.....	3,753	2,887	130	19	509	188	3,300	-	58	(2)	12	49
65 years old and over.....	5,085	5,787	182	8	408	48	5,584	148	200	-	18	188
Median age ⁷	53.9	57.3	40.7	40.3	50.8	54.0	60.0	60.7	45.9	29.1	40.3	65.0

- Represents zero. 2. Less than 500. 3. Veterans who served in more than one wartime period are counted only once. Includes Vietnam era (no prior wartime service), Korean conflict (no prior wartime service), World War II, and World War I. 4. Includes 342,000 who served in both the Korean conflict and the Vietnam era. 5. Includes 277,000 who served in the Vietnam era, Korean conflict, and World War II. 6. Includes 688,000 who served in both World War II and the Korean conflict. 7. Service only after May 7, 1975. 8. Includes those who served only between World War I and World War II, and those who served only between World War II and the Korean conflict. 9. There are also 3 living Spanish-American War veterans and an estimated 60 living Mexican Border conflict veterans. 10. Computed from data by single year of age.

No. 553. DISABLED VETERANS RECEIVING COMPENSATION: 1970 TO 1967

[In thousands, except as indicated. As of end of fiscal year; see text, section 8. Represents veterans receiving compensation for service-connected disabilities. Totally disabled refers to veterans with any disability, mental or physical, deemed to be total and permanent which prevents the individual from maintaining a livelihood and are rated for disability at 100 percent.]

MILITARY SERVICE	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Disabled, all periods ¹	2,882	2,820	2,874	2,276	2,276	2,263	2,251	2,240	2,225	2,212
Peace-time.....	165	164	282	284	302	319	336	362	367	362
World War I ²	85	85	30	25	22	18	15	12	10	7
World War II.....	1,416	1,309	1,189	1,186	1,140	1,111	1,080	1,049	1,015	982
Korea.....	238	240	288	284	281	229	226	220	220	218
Vietnam.....	167	489	583	589	579	587	586	604	613	623
Totally disabled, all periods ¹	124	128	121	128	128	128	127	128	128	122
Peace-time.....	18	18	20	20	24	25	25	28	28	28
World War I ²	11	8	3	2	2	2	1	1	1	1
World War II.....	83	80	81	88	87	88	88	84	81	88
Korea.....	18	18	16	18	18	17	17	17	16	16
Vietnam.....	18	28	31	30	37	37	38	38	38	40
Compensation (mil. dol.).....	2,888	2,767	2,184	6,888	7,884	8,887	8,841	8,276	8,379	8,434

¹ Includes Spanish-American War and Mexican Border service, not shown separately.

Source of tables 557 and 558: U.S. Veterans Administration, *Annual Report of Administrator of Veterans Affairs*, and unpublished data.

No. 559. VETERANS BENEFITS—EXPENDITURES, BY PROGRAM: 1970 TO 1987

[In millions of dollars. For fiscal years ending in year shown; see text, section 8. All data are on an accrued expenditure basis.]

PROGRAM	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Total ¹	18,891	18,836	22,137	25,283	25,887	26,186	26,484	28,119	31,988	32,988
Compensation and pensions ²	6,880	7,851	11,257	12,482	12,348	12,881	12,842	14,234	14,308	14,437
Educational assistance and readjustment benefits.....	1,047	4,888	2,333	2,333	2,001	1,578	1,049	1,180	887	773
Medical services and administ. expenses.....	2,008	2,818	3,847	7,188	3,008	8,722	8,123	9,882	10,288	10,841
Hospital and domiciliary construction ³	75	138	342	488	481	458	438	557	657	688
Insurance and indemnities.....	1,181	1,245	1,887	1,838	1,701	1,884	1,750	1,888	2,008	2,088
Loan guaranty revolving fund.....	348	423	445	583	888	1,187	1,511	1,838	2,887	3,333
Direct loans.....	180	84	48	18	10	8	8	8	8	8
Miscellaneous expenditures.....	131	17	427	438	588	387	881	878	728	751

¹ Excludes expenditures from personal funds of patients. Includes expenditures from VA Revolving Supply Fund and insurance trust funds. ² Includes expenditures for stationary hotel meals, special clothing allowances, mortgage life insurance, burial fee, headstones and markers, and other expenses. ³ Includes National Cancer Institute expenditures (transfer to Veterans Administration). ⁴ Includes construction grants for State extended care facilities. Beginning 1975, includes expenditures for health manpower training facilities.

Source: U.S. Veterans Administration, *Annual Report of Administrator of Veterans Affairs*.

NO. 660. VETERANS BENEFITS—EXPENDITURES FROM APPROPRIATED FUNDS, BY WAR: TOTAL AND 1940 TO 1967

(In millions of dollars. For fiscal year ending in year shown; see text, section 9. Refers to expenditures of Veterans Administration and predecessor agencies. See also *Historical Statistics, Colonial Times to 1970*, series Y 671-683)

PERIOD OR YEAR	Total, all wars	Mexican War and Indian Wars	Civil War	Spanish-American War	World War I	World War II	Korean Conflict ¹	Service between Korea and Vietnam only	Vietnam ²	Peace-time
Total.....	³ 226,612	196	6,674	6,639	76,431	243,427	66,967	19,894	97,164	34,899
To 1899.....	³ 16,614	147	6,356	1,537	8,557	(0)	(0)	(0)	(0)	196
1940-1954.....	55,719	32	179	2,282	9,281	42,476	829	(0)	(0)	686
1955-1966.....	87,962	7	34	1,538	25,646	41,109	13,472	1,599	1,331	2,636
1970-1964.....	277,851	5	5	523	29,039	121,958	25,107	8,226	74,576	17,600
1970.....	6,806	(0)	1	54	1,044	3,281	686	481	1,329	316
1971.....	10,240	(0)	1	51	1,917	4,317	665	648	2,069	358
1972.....	11,314	(0)	1	45	1,980	4,899	905	728	2,571	384
1973.....	12,617	1	1	40	1,906	5,136	988	791	3,535	415
1974.....	13,676	1	1	39	1,836	5,439	1,051	848	4,199	605
1975.....	16,419	1	(0)	38	1,897	6,196	1,219	1,089	5,392	587
1976.....	18,798	1	(0)	36	1,881	7,024	1,376	1,246	6,509	740
1977 ⁴	23,083	(0)	(0)	45	2,401	9,816	1,900	617	7,447	1,037
1978.....	19,529	(0)	(0)	35	2,001	8,421	1,686	532	5,902	952
1979.....	20,278	(0)	(0)	35	2,069	9,140	1,830	545	5,556	1,075
1980.....	21,299	(0)	(0)	36	2,099	9,841	2,044	614	5,483	1,236
1981.....	22,963	(0)	(0)	18	1,727	10,858	2,309	526	5,899	1,736
1982.....	24,356	(0)	(0)	16	1,653	11,469	2,596	598	6,085	1,968
1983.....	25,914	(0)	(0)	16	1,543	12,024	2,763	(0)	6,291	⁵ 3,267
1984.....	26,280	(0)	(0)	14	2,212	14,066	2,686	(0)	6,369	⁵ 2,902
1985.....	27,540	(0)	(0)	15	1,289	12,539	3,084	(0)	6,446	⁵ 4,167
1986.....	28,900	3	(0)	13	1,245	12,952	3,191	(0)	7,222	⁵ 4,578
1987.....	29,926	3	(0)	11	1,196	12,692	3,260	(0)	7,577	⁵ 4,867

X Not applicable. 2 Less than \$500,000. 1 June 27, 1950 to Jan. 31, 1955. 2 Service from Aug. 5, 1964, to May 7, 1975. 3 Includes \$70 million for the Revolutionary War and \$48 million for the War of 1812. 4 15 months ending Sept. 30. 5 Peacetime combined with service between Korea and Vietnam only.

Source: U.S. Veterans Administration, unpublished data.

NO. 661. VETERANS COMPENSATION AND PENSION BENEFITS—NUMBER ON ROLLS AND AVERAGE PAYMENT, BY PERIOD OF SERVICE AND STATUS: 1960 TO 1967

(As of Sept. 30. Living refers to veterans receiving compensation for disability incurred or aggravated while on active duty and war veterans receiving pension and benefits for nonservice connected disabilities. Deceased refers to deceased veterans whose dependents were receiving pensions and compensation benefits. See also *Historical Statistics, Colonial Times to 1970*, series Y 685-695)

PERIOD OF SERVICE AND VETERAN STATUS	VETERANS ON ROLLS (1,000)					AVERAGE PAYMENT (annual base) ¹ (dol.)				
	1960	1964	1965	1966	1967	1960	1964	1965	1966	1967
Total.....	4,846	4,123	4,006	3,996	3,908	2,370	3,336	3,806	3,647	3,741
Living veterans.....	3,195	2,980	2,931	2,883	2,844	2,600	3,534	3,666	3,764	3,821
Service connected.....	2,273	2,251	2,240	2,225	2,212	2,689	3,573	3,692	3,786	3,806
Nonservice connected.....	922	730	690	658	631	2,426	3,418	3,581	3,755	3,865
Deceased veterans.....	1,451	1,143	1,075	1,016	964	1,863	2,813	3,066	3,315	3,504
Service connected.....	358	342	336	331	328	3,601	5,471	5,636	6,100	6,298
Nonservice connected.....	1,093	801	739	686	636	1,228	1,680	1,809	1,968	2,066
Prior to World War I.....	14	8	7	6	5	1,432	1,777	1,855	1,979	2,088
Living.....	(0)	(0)	(0)	(0)	(0)	2,634	4,031	4,436	5,920	5,420
Deceased.....	14	8	7	6	5	1,408	1,748	1,822	1,937	2,026
World War I.....	662	495	381	334	295	1,663	2,276	2,461	2,664	2,817
Living.....	198	87	69	53	42	2,669	4,009	4,439	4,806	5,243
Deceased.....	464	346	313	281	253	1,268	1,841	2,029	2,238	2,415
World War II.....	2,520	2,180	2,097	2,020	1,943	2,307	3,172	3,317	3,440	3,519
Living.....	1,640	1,631	1,575	1,518	1,464	2,462	3,331	3,480	3,563	3,621
Deceased.....	671	549	522	502	479	1,660	2,697	2,868	3,067	3,182
Korean conflict ²	448	407	386	366	363	2,691	3,818	4,114	4,276	4,369
Living.....	317	311	309	306	306	2,977	4,119	4,260	4,366	4,457
Deceased.....	129	96	90	87	86	1,990	3,265	3,615	3,966	4,147
Peace-time.....	312	367	404	418	433	3,060	3,895	3,973	4,008	3,965
Living.....	262	335	352	367	382	2,628	3,529	3,589	3,614	3,566
Deceased.....	50	52	52	52	52	4,399	6,265	6,577	6,802	6,937
Vietnam era ³	662	707	716	726	736	2,795	3,864	4,021	4,136	4,244
Living.....	566	616	626	637	649	2,796	3,714	3,849	3,941	4,029
Deceased.....	96	91	90	89	86	3,324	4,880	5,220	5,548	5,616

Z Fewer than 500. 1 Averages calculated by multiplying average monthly payment by 12. 2 Service during period June 27, 1950, to Jan. 31, 1955. 3 Service from Aug. 5, 1964, to May 7, 1975.

Source: U.S. Veterans Administration, *Annual Report of Administrator of Veterans Affairs*, and unpublished data.

No. 532. VETERANS ADMINISTRATION HEALTH CARE SUMMARY: 1960 TO 1967

(For years ending Sept. 30)

ITEM	Unit	1960	1965	1967	ITEM	Unit	1960	1965	1967
Facilities operating:					Radiology examinations	Million	5.7	5.4	5.5
Hospitals	Number	172	172	172	Inpatients treated *	1,000	1,308	1,435	1,485
Dormitories	Number	15	35	17	VA facilities	1,000	1,275	1,339	1,372
Outpatient clinics	Number	255	255	229	Other facilities	1,000	84	96	84
Nursing home units	Number	82	115	117	Average daily inpatients *	1,000	105	100	97
Employment ¹	1,000	194	200	200	VA facilities	1,000	84	75	71
Obligations ²	ML. dol.	5,215	5,258	5,060	Other facilities	1,000	21	25	25
Medical care	ML. dol.	5,972	5,936	5,973	Outpatient medical visits	Million	15.0	15.5	21.8
Research in health care	ML. dol.	138	227	210	VA staff	Million	15.5	17.5	15.5
Prescriptions dispensed	Million	35.7	45.1	54.1	Fee basis	Million	2.2	1.8	1.8
Laboratory procedures	Million	215	173	189					

¹ Not full-time equivalent. ² 1965, cost-basis; thereafter, obligation-basis. Includes other obligations not shown separately.³ Based on the number of discharges and deaths during the fiscal year, plus the number on the rolls (bed occupants and patients on authorized leave of absence) at the end of the fiscal year. Excludes inpatient transfers. ⁴ Patients receiving hospital care, or nursing bed care.Source: U.S. Veterans Administration, *Annual Report of Administrator of Veterans Affairs; Directory of VA Facilities, Services, and unpublished data.*

No. 533. VETERANS ASSISTANCE TO PERSONS IN EDUCATION AND TRAINING PROGRAMS: 1975 TO 1967

(In thousands. For fiscal years ending in year shown; see text, section 9. Represents persons in training during year)

PROGRAM	1975	1960	1961	1962	1963	1964	1965	1966	1967
Post-Korean Education Assistance ¹	2,882	1,107	646	775	644	625	402	380	389
Institutions of higher education	1,859	842	730	809	617	451	399	357	359
Resident schools other than college	429	149	122	99	93	73	54	55	38
Correspondence schools	397	42	38	21	13	16	7	5	(NA)
On-the-job training	197	74	56	25	25	18	19	9	7
Children's Educational Assistance	71.4	82.8	82.5	80.2	70.9	62.5	55.3	48.4	45.4
Institutions of higher education	64.7	75.5	74.5	72.1	65.7	57.1	50.5	43.9	38.7
Schools other than college	6.5	6.5	7.5	7.5	7.0	6.2	5.5	4.3	5.0
Special restorative training	.1	.1	.1	(Z)	(Z)	.1	(Z)	(Z)	(NA)
On-the-job training	.4	.9	.4	.2	.2	.2	.2	.1	.1
Spouses, Widows/Widowers Educational Assistance Program	19.5	13.0	11.9	10.9	9.5	7.9	6.9	5.9	5.9
Institutions of higher education	12.2	10.8	10.1	9.0	7.8	6.5	5.7	5.0	4.5
Schools other than college	4.6	2.2	1.8	1.9	1.7	1.4	1.2	.9	.7
Vocational Rehabilitation Program for Disabled Veterans	24.5	25.5	25.9	29.5	30.0	29.0	25.5	25.5	24.0
Institutions of higher education	19.5	18.9	21.7	22.1	21.9	(NA)	(NA)	(NA)	19.9
Schools other than college	4.9	5.9	7.0	7.8	7.5	(NA)	(NA)	(NA)	.5
On-the-job training	1.3	1.0	1.0	.9	.9	(NA)	(NA)	(NA)	.5
Institutional on-farm	.2	.1	.1	.1	.1	(NA)	(NA)	(NA)	(NA)

NA Not available. Z Fewer than 50. ¹ Includes some Post-Vietnam veterans. ² Estimated.Source: U.S. Veterans Administration, *Annual Report of Administrator of Veterans Affairs*, and unpublished data.

No. 534. VETERANS GUARANTEED AND INSURED LOANS: 1970 TO 1967

(For fiscal years ending in year shown, see text, section 9. Includes mobile home loans. See section 26 for VA loan characteristics)

ITEM	Unit	1970	1975	1960	1961	1962	1963	1964	1965	1966	1967
Number of loans	1,000	185.2	250.2	297.4	187.5	103.4	245.1	251.8	175.9	313.8	475.8
Home	1,000	198.2	268.2	280.2	175.2	92.9	231.9	238.5	170.0	307.7	474.4
Amount of loans	ML. dol.	3,093	3,091	14,815	10,008	5,542	14,570	15,512	11,452	21,886	34,900
Home	ML. dol.	3,092	3,072	14,803	9,822	5,332	14,399	15,339	11,399	21,833	34,783
Guaranty and insurance	ML. dol.	1,571	3,702	6,370	4,248	2,292	5,736	6,034	4,393	7,996	12,237
Home	ML. dol.	1,571	3,098	6,289	4,155	2,187	5,595	5,995	4,289	7,890	12,180

Source: U.S. Veterans Administration, *Annual Report of Administrator of Veterans Affairs*.



Section 12

Social Insurance and Human Services

This section presents data related to governmental expenditures for social welfare; governmental programs for old-age, survivors, disability, and health insurance (OASDHI); governmental employee retirement; Individual Retirement Account, Keogh account and private pension plans; government unemployment and temporary disability insurance; Federal supplemental security income payments and aid to the needy; child and other welfare services; and Federal food programs. Also included here are selected data on workers' compensation, including black lung benefits; vocational rehabilitation; child support; child care; and philanthropic trusts and foundations.

The principal source for these data is the Department of Health and Human Services' (HHS) monthly *Social Security Bulletin* which presents current data on many of the programs and summary data in annual statistical supplements. Current data on employment security are published monthly in the Department of Labor's *Unemployment Insurance Statistics*. Data on the Medicare and Medicaid programs appear periodically in the Health Care Financing Administration's *Health Care Financing Review* (quarterly), *Health Care Financing Notes*, and *Health Care Financing Program Statistics*. Statistics on aid to families with dependent children (AFDC) are presented in the U.S. Social Security Administration's monthly publication, *Public Assistance Statistics*.

Social Insurance under the Social Security Act.—Programs established by the Social Security Act provide protection against wage loss resulting from retirement, prolonged disability, death, or unemployment, and protection against the cost of medical care during old age and disability. The Federal OASDHI program provides monthly cash benefits to retired or disabled insured workers and their dependents and to survivors of insured workers. To be eligible, a worker must have had a specified period of employment in which OASDHI taxes were paid. A worker becomes eligible for full benefits at age 65, although reduced benefits may be obtained up to 3 years earlier; the worker's spouse is under the same limitations. Survivor benefits are payable to dependents of deceased insured workers. Disability benefits are payable to an insured worker under age 65 with a prolonged disability and to the disabled worker's dependents on the same basis as dependents of retired workers. Also, disability benefits are provided at age 50 to the disabled widow or widower of a deceased worker who was fully insured at the time of death. A lump sum benefit is generally payable on the death of an insured worker to a spouse or minor children.

Since July 1966, the Federal "Medicare" program has provided two coordinated plans for nearly all people age 65 and over: (1) A hospital insurance plan which covers hospital and related services and (2) a voluntary supplementary medical insurance plan, financed partially by monthly premiums paid by participants, which partly covers physicians' and related medical services. Since July 1973, such insurance also applies to disabled beneficiaries of any age after 24 months of eligibility and to persons with chronic kidney disease.

Retirement, survivors, disability, and hospital insurance benefits are funded by a payroll tax on annual earnings (up to a maximum of earnings set by law) of workers, employers, and the self-employed. The maximum taxable earnings are adjusted periodically through Federal legislation to reflect increasing income levels (see table 578). Tax receipts and benefit payments are administered through Federal trust funds. Special benefits for uninsured persons; hospital benefits for persons 65 and over with specified amounts of Social Security coverage less than that required for cash benefit eligibility; and that part of the cost of supplementary medical insurance not financed by contributions from participants are financed from Federal general revenues.

Unemployment insurance is presently administered by the U.S. Employment and Training Administration and each State's employment security agency. By agreement with the U.S. Secretary of Labor, State agencies also administer unemployment compensation for eligible ex-service members and Federal employees, unemployment assistance under the Disaster Relief Act of 1970, workers assistance and relocation allowances under the Trade Act, and, until 1975, direct aid (training and related cash allowances) under Federal manpower acts.

Under State unemployment insurance laws, benefits related to the individual's past earnings are paid to unemployed eligible workers. State laws vary concerning the length of time benefits are paid and their amount. In most States, benefits are payable for 26 weeks and, during periods of high unemployment, extended benefits are payable under a Federal-State program to those who have exhausted their regular State benefits. The basic benefit can vary among States by over 100 percent. Some States also supplement the basic benefit with allowances for dependents.

Unemployment insurance is funded by a Federal unemployment tax levied on the taxable payrolls of most employers. Taxable payroll under the Federal Act and most State laws is the first \$7,000 in wages paid each worker during a year. Employers are allowed a percentage credit of taxable payroll for contributions paid to States under State unemployment insurance laws. The remaining percent of the Federal tax finances administrative costs, the Federal share of extended benefits, and advances to States. About 97 percent of wage and salary workers are covered by unemployment insurance.

Retirement Programs for Government Employees.—The Civil Service Retirement System (CSRS) and the Federal Employees' Retirement System (FERS) are the two major programs providing age and service, disability and survivor annuities for Federal civilian employees. In general, employees hired after December 31, 1983 are covered under FERS and the social security program (OASDHI) and employees on staff prior to that date are members of CSRS and are covered under Medicare. CSRS employees were offered the option of transferring to FERS during 1987. There are separate retirement systems for the uniformed services (supplementing OASDHI) and for certain special groups of Federal employees.

State and local government employees are covered for the most part by State and local retirement systems similar to the Federal civil service retirement system. In many jurisdictions those benefits supplement OASDHI coverage.

State and local government employees are covered for the most part by State and local retirement systems similar to the Federal civil service retirement system. In many jurisdictions those benefits supplement OASDHI coverage.

Workers' compensation.—All States provide protection against work-connected injuries and deaths, although some States exclude certain workers (e.g., domestic help). Federal laws cover Federal employees, private employees in the District of Columbia, and longshoremen and harbor workers. In addition, the Social Security Administration and the Department of Labor administer a "black lung" benefits program for coal miners disabled by pneumoconiosis and for specified dependents and survivors. Specified occupational diseases are compensable to some extent. In most States, benefits are related to the worker's salary. The benefits may or may not be augmented by dependents' allowances or automatically adjusted to prevailing wage levels.

Public aid.—State-administered public assistance programs (Aid to Families with Dependent Children (AFDC), emergency assistance and general assistance) and the Federal Supplemental Security Income (SSI) program administered by the Social Security Administration provide benefits to persons who qualify. AFDC and emergency assistance are in part federally funded while the costs of general assistance are met entirely with State and local funds.

The SSI program replaced Federal grants for aid to the aged, blind and disabled in the 50 States and the District of Columbia in 1974. Residents of the Northern Mariana Islands became eligible in 1978. Federal grants continue for aid to the aged, blind and disabled in Guam, Puerto Rico and the Virgin Islands. The SSI program provides a minimum income for the aged, blind and disabled and establishes uniform national basic eligibility requirements and payment standards. Most States supplement the basic SSI payment.

Federal Food Stamp program.—Under the Food Stamp program, single persons and those living in households meeting nationwide standards for income and assets may receive coupons redeemable for food at most retail food stores. The monthly amount of coupons a unit receives is determined by household size and income. Households without income receive the determined monthly cost of a nutritionally adequate diet for their household size. This amount is updated to account for food price increases. Households with income receive the difference between the amount of a nutritionally adequate diet and 30 percent of their income, after certain allowable deductions.

To qualify for the program, a household must have less than \$2,000 in disposable assets (\$3,000 if one member is aged 60 or older), gross income below 130 percent of the official poverty guidelines, and net income below 100 percent of the poverty guidelines. Households with a person aged 60 or older or a disabled person receiving SSI, Social Security, or veterans' disability benefits may have gross income exceeding 130 percent of the poverty guidelines. All households must meet these requirements, even those receiving other Federal assistance payments. Households are certified for varying lengths of time, depending on their income sources and individual circumstances.

Health and welfare services.—Programs providing health and welfare services are aided through Federal grants to States for child welfare services, vocational rehabilitation, activities for the aged, maternal and child health services, maternity and infant care projects, comprehensive health services, and a variety of public health activities.

Under Medicaid, all States (except Arizona) offer basic health services to eligible low-income persons. The cost of providing these services is shared by the Federal Government, but each State determines its own eligibility criteria and may set benefits above the minimum established by Federal law. Almost all recipients of cash welfare programs are automatically eligible. In addition, 31 States extend Medicaid to families that satisfy all but the income requirements for welfare and that either have incomes which meet State definitions of "medically needy" or incur medical expenses which lower their incomes to medically needy levels.

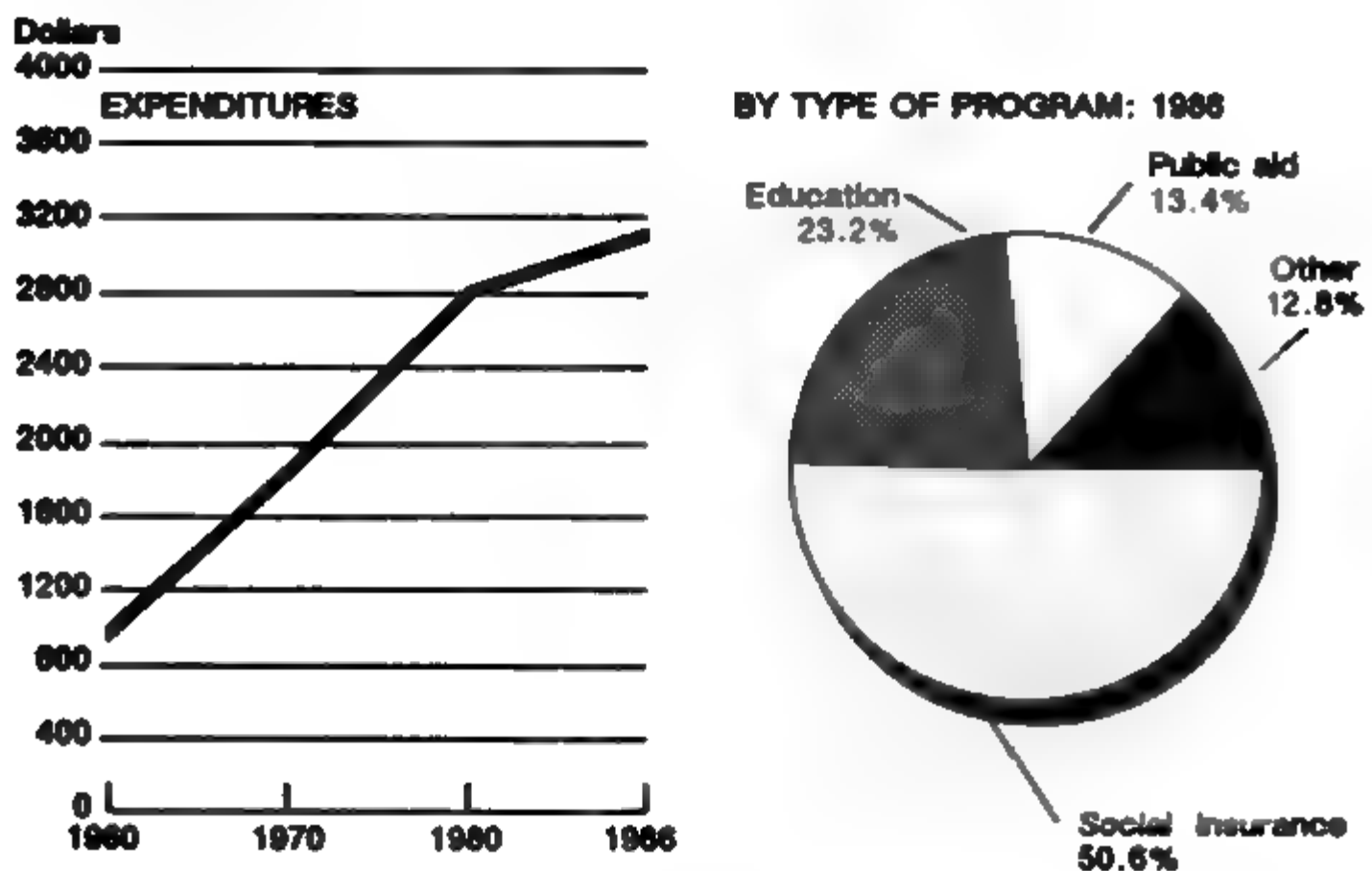
Noncash benefits.—The Bureau of the Census annually collects data on the characteristics of recipients of noncash (in-kind) benefits to supplement the collection of annual money income data in the Current Population Survey (see text, section 1 and section 15). Noncash benefits are those benefits received in a form other than money which serve to enhance or improve the economic well-being of the recipient. As for money income, the data for noncash benefits are for the calendar year prior to the date of the interview and are reported in the *Current Population Reports*, series P-60. The two major categories of noncash benefits covered are public transfers (e.g. Food stamps, school lunch, public housing, and Medicaid) and employer or union-provided benefits to employees.

Statistical reliability.—For discussion of statistical collection, estimation, and sampling procedures and measures of statistical reliability applicable to HHS and Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

Figure 12.1

Social Welfare Expenditures in Constant (1986) Dollars, Per Capita, Under Public Programs: 1960 to 1986; and by Type of Program: 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 565.

NO. 585. SOCIAL WELFARE EXPENDITURES UNDER PUBLIC PROGRAMS: 1960 TO 1966

(In millions of dollars, except percent. For fiscal years ending in year shown; see text, section 2. Represents outlays from trust funds (mostly social insurance funds built up by earmarked contributions from insured persons, their employers, or both) and budgetary outlays from general revenues. Includes administrative expenditures, capital outlay, and some expenditures and payments outside U.S. See table 586 for program detail. For explanation of annual percent change, see Guide to Tabular Presentation. See *Historical Statistics, Colonial Times to 1970*, series H 1-47, for related but not comparable data.)

YEAR	SOCIAL WELFARE OUTLAYS		Social insurance	Public aid	Health and medical programs ¹	Veterans programs	Education	Housing	Other social welfare	All health and medical care ²
	Total	Annual percent change								
TOTAL										
1960	52,293	19.9	18,307	4,101	4,464	5,479	17,826	177	1,136	8,395
1970	145,858	10.8	54,691	16,488	9,807	9,076	50,845	701	4,145	25,391
1975	290,064	14.7	123,013	41,308	17,780	17,019	80,834	3,172	8,947	52,348
1980	492,526	11.2	229,754	71,799	27,850	21,486	121,060	7,210	13,599	100,294
1981	550,845	11.8	267,395	82,424	30,424	23,441	126,145	8,734	11,983	116,537
1982	594,876	8.1	302,615	80,852	33,218	24,706	133,874	7,954	11,854	130,869
1983	643,437	8.2	331,161	86,644	34,585	25,802	141,815	10,964	12,468	136,742
1984	671,969	4.4	341,120	90,665	37,006	26,275	152,056	11,532	13,295	148,467
1985	730,399	8.7	372,529	96,777	41,080	27,042	166,418	12,827	13,948	167,542
1986	770,522	5.5	390,404	103,079	44,334	27,445	178,518	12,036	14,705	179,814
FEDERAL										
1960	24,657	11.3	14,307	2,117	1,737	5,367	868	144	417	2,918
1970	77,337	12.0	45,246	9,649	4,775	6,952	5,876	582	2,259	16,800
1975	167,426	16.7	99,715	27,168	8,521	16,570	8,529	2,541	4,264	34,100
1980	302,631	12.6	191,162	48,666	12,703	21,254	13,452	6,806	8,786	68,801
1981	344,120	13.7	224,574	55,948	13,850	23,229	13,372	8,046	7,304	80,580
1982	367,520	6.8	250,551	52,485	14,526	24,463	11,917	7,176	6,900	90,708
1983	401,413	9.2	274,315	58,709	15,440	25,561	12,399	9,961	7,028	95,719
1984	420,399	4.7	288,743	58,480	16,622	25,970	13,010	10,226	7,349	103,927
1985	452,680	7.7	313,108	61,965	18,630	26,704	13,796	11,068	7,548	118,955
1986	472,984	4.3	326,588	65,815	19,926	27,072	15,022	10,164	7,977	125,730
STATE AND LOCAL										
1960	27,337	8.7	4,000	1,864	2,727	112	16,768	33	723	3,478
1970	68,519	9.8	9,446	6,539	5,132	127	44,970	120	1,866	8,791
1975	122,654	12.4	23,296	14,122	9,887	449	72,805	531	2,683	18,248
1980	189,867	9.1	38,592	23,139	14,948	212	107,597	801	4,813	31,492
1981	206,424	8.7	42,821	26,477	16,774	212	114,773	686	4,679	36,977
1982	227,226	10.1	52,063	28,367	18,680	245	121,957	778	5,154	40,164
1983	242,022	6.6	56,846	29,935	19,144	241	129,416	1,003	5,436	41,023
1984	251,589	3.9	52,378	32,206	20,383	301	139,046	1,306	5,946	44,540
1985	277,540	10.3	59,420	34,792	22,430	338	152,622	1,540	6,398	48,587
1986	298,156	7.4	63,616	37,484	24,408	373	163,495	1,872	6,728	53,984
PERCENT OF TOTAL EXPENDITURES, BY TYPE										
1960	100.0	(X)	36.9	7.8	8.6	10.5	33.7	■	2.2	12.2
1970	100.0	(X)	37.5	11.9	6.8	6.2	34.9	5	2.6	17.4
1980	100.0	(X)	46.8	14.6	5.6	4.4	24.6	1.5	2.8	20.4
1985	100.0	(X)	51.0	13.2	5.6	3.7	22.8	1.7	1.9	22.9
1986	100.0	(X)	50.7	13.4	5.6	3.6	23.2	1.6	1.9	23.3
PERCENT FEDERAL OF TOTAL										
1960	47.7	(X)	74.1	51.6	38.9	■	■	81.4	36.6	45.6
1970	53.0	(X)	62.7	58.5	48.2	98.6	11.8	63.0	54.5	65.4
1980	61.4	(X)	63.2	67.8	45.9	99.0	11.1	61.7	64.6	66.1
1985	62.0	(X)	64.0	64.0	45.4	96.8	8.3	67.8	54.1	71.0
1986	61.3	(X)	63.8	63.7	44.9	■	8.4	64.4	54.2	70.0
PER CAPITA (Current dollars) ⁴										
1960	286	17.9	106	22	24	30	98	2	6	35
1970	701	8.4	262	79	48	43	245	4	20	122
1980	2,136	11.8	995	312	121	92	526	33	59	437
1985	3,001	7.0	1,526	398	169	110	666	52	57	660
1986	3,136	4.6	1,587	421	181	112	726	49	60	733
PER CAPITA (Constant (1986) dollars) ⁵										
1960	990	5.8	365	76	83	104	333	7	21	122
1970	1,866	6.8	696	210	128	114	653	11	53	325
1980	2,822	4.2	1,313	412	180	121	694	44	78	577
1985	3,065	1.7	1,581	406	173	112	700	53	58	705
1986	3,136	2.4	1,587	421	181	112	726	49	60	733

X Not applicable. ¹ Excludes program parts of social insurance, public aid, veterans, and other social welfare.

² Combines "Health and medical programs" with medical services included in social insurance, public aid, veterans, vocational rehabilitation, and antipoverty programs. ³ Change from 1985. ⁴ Excludes payments within foreign countries for education, veterans, OASDI, and civil service retirement. ⁵ Constant dollar figures are based on implicit price deflators for personal consumption expenditures published by U.S. Bureau of Economic Analysis; see table 751.

Source: U.S. Social Security Administration, *Social Security Bulletin*, November 1986 and earlier issues.

**NO. 586. SOCIAL WELFARE EXPENDITURES, BY SOURCE OF FUNDS AND PUBLIC PROGRAM:
1960 TO 1966**

[In millions of dollars. See headnote, table 585, and *Historical Statistics, Colonial Times to 1970*, series H 1-47, for related but not comparable data]

PROGRAM	1960		1964		1966		1966	
	Federal	State and local	Federal	State and local	Federal	State and local	Federal	State and local
Total	302,631	188,887	420,388	251,888	452,888	277,548	472,384	298,158
Social insurance	191,162	38,882	288,743	52,378	313,188	88,438	328,588	63,818
Old-age, survivors, disability, health.....	152,110	(x)	238,254	(x)	280,488	(x)	271,988	(x)
Health insurance (Medicare).....	34,982	(x)	62,481	(x)	72,184	(x)	75,803	(x)
Public employee retirement ¹	26,983	12,507	38,587	20,300	40,504	22,540	41,888	25,043
Railroad employee retirement.....	4,788	(x)	6,144	(x)	6,278	(x)	6,354	(x)
Unemployment insurance and employment services ²	4,408	13,919	2,529	13,575	2,804	15,740	2,831	15,719
Other railroad employee insurance ³	224	(x)	230	(x)	199	(x)	192	(x)
State temporary disability insurance ⁴	(x)	1,377	(x)	1,818	(x)	1,944	(x)	2,038
Workers' compensation ⁵	2,888	10,788	2,988	18,885	3,087	19,197	3,388	21,017
Hospital and medical benefits.....	130	3,588	282	5,728	280	6,800	324	7,784
Public aid	48,888	23,133	58,488	32,208	61,888	34,782	63,818	37,484
Public assistance ⁶	23,542	21,348	30,838	30,162	33,523	32,557	36,402	34,888
Medical vendor payments (Medicaid) ⁷	14,550	12,844	20,212	19,251	22,677	21,281	24,828	23,149
Social services.....	1,757	588	2,082	882	2,057	888	2,003	888
Supplemental security income.....	8,440	1,787	9,084	2,043	9,805	2,235	10,317	2,488
Food stamps.....	9,083	(x)	12,375	(x)	12,513	(x)	12,397	(x)
Other ⁸	9,801	(x)	6,173	(x)	6,344	(x)	6,499	(x)
Health and medical programs	12,703	14,948	18,622	20,383	18,830	22,430	18,830	24,408
Hospital and medical care.....	6,478	5,810	9,250	7,052	10,808	7,582	11,448	8,081
Civilian programs.....	2,378	5,810	2,352	7,052	2,557	7,582	2,879	6,081
Defense Department ⁹	4,100	(x)	6,888	(x)	6,051	(x)	8,788	(x)
Maternal and child health programs.....	354	518	371	880	412	788	388	858
Medical research.....	4,378	445	5,483	808	6,002	832	6,458	1,075
Medical facilities construction.....	238	1,904	184	1,988	208	1,783	234	1,581
Other.....	1,257	6,273	1,344	9,888	1,388	11,335	1,382	12,814
Veterans programs	21,254	212	25,970	301	28,704	338	27,872	373
Pensions and compensation.....	11,308	(x)	14,051	(x)	14,333	(x)	14,483	(x)
Health and medical programs.....	6,204	(x)	8,838	(x)	9,483	(x)	9,923	(x)
Hospital and medical care.....	5,750	(x)	8,180	(x)	8,809	(x)	9,120	(x)
Hospital construction.....	323	(x)	588	(x)	458	(x)	617	(x)
Medical and prosthetic research.....	131	(x)	190	(x)	227	(x)	188	(x)
Education.....	2,401	(x)	1,402	(x)	1,171	(x)	887	(x)
Life insurance ¹⁰	885	(x)	719	(x)	788	(x)	883	(x)
Welfare and other.....	679	212	882	301	912	338	888	373
Education	11 13,482	107,587	11 13,010	138,048	11 13,788	162,822	11 16,622	163,488
Elementary and secondary.....	7,430	79,720	6,659	103,408	7,278	113,474	7,472	134,819
Construction ¹²	41	6,483	28	7,230	23	8,335	21	5,884
Higher.....	4,488	21,708	5,048	27,618	5,102	30,343	6,071	28,878
Construction.....	42	1,488	35	2,238	32	2,885	30	2,638
Vocational and adult ¹³	1,207	6,188	1,048	8,023	1,087	6,804	1,208	(NA)
Housing	8,809	801	10,228	1,308	11,888	1,548	10,164	1,872
Other social welfare	6,788	4,813	7,348	6,848	7,548	8,830	7,977	6,728
Vocational rehabilitation.....	1,008	245	1,109	338	1,187	350	1,388	374
Medical services and research.....	237	58	259	83	275	80	288	75
Institutional care ¹⁴	74	408	118	803	121	854	140	701
Child nutrition ¹⁴	4,209	643	4,271	928	4,349	980	4,588	1,088
Child welfare ¹⁵	57	743	185	(NA)	200	(NA)	198	(NA)
Special CSA and ACTION programs ¹⁶	2,303	(x)	479	(x)	504	(x)	504	(x)
Welfare, not elsewhere classified ¹⁷	1,137	2,774	1,207	4,078	1,188	4,435	1,150	4,584

NA Not available. X Not applicable. ¹ Excludes refunds to those leaving service. Federal data include military retirement. ² Includes compensation for Federal employees and ex-servicemen, trade adjustment and cash training allowance, and payments under extended, emergency, disaster, and special unemployment insurance programs. ³ Unemployment and temporary disability insurance. ⁴ Cash and medical benefits in 5 areas. Includes private plans where applicable. ⁵ Benefits paid by private insurance carriers, State funds, and self-insurers. Federal includes black lung benefit programs. ⁶ Includes payments under State general assistance programs and work incentive activities, not shown separately. ⁷ Medical vendor payments are those made directly to suppliers of medical care. ⁸ Refugee assistance, surplus food for the needy, and work-experience training programs under the Comprehensive Employment and Training Act. Beginning 1984, includes low-income energy assistance program. ⁹ Includes medical care for military dependent families. ¹⁰ Excludes servicemen's group life insurance. ¹¹ Includes Federal expenditures for administrative costs (Department of Education) and research, not shown separately. ¹² Construction costs of vocational and adult education programs included under elementary-secondary expenditures. ¹³ Federal expenditures represent primarily surplus foods for nonprofit institutions. ¹⁴ Surplus food for schools and programs under National School Lunch and Child Nutrition Acts. ¹⁵ Represents primarily child welfare services under title V of the Social Security Act. ¹⁶ Includes domestic volunteer programs under ACTION and community action and migrant workers programs under Community Services Administration. ¹⁷ Federal expenditures include administrative expenses of the Secretary of Health and Human Services; Indian welfare and guidance, and aging and juvenile delinquency activities. State and local include antipoverty and manpower programs, child care and adoption services, legal assistance, and other unspecified welfare services.

Source: U.S. Social Security Administration, *Social Security Bulletin*, November 1986 and forthcoming issue.

NO. 567. SOCIAL WELFARE EXPENDITURES UNDER PUBLIC PROGRAMS AS PERCENT OF GNP AND TOTAL GOVERNMENT OUTLAYS: 1960 TO 1966

[See heading, table 566. For explanation of annual percent change, see Guide to Tabular Presentation]

YEAR	TOTAL EXPENDITURES				FEDERAL				STATE AND LOCAL GOVERNMENT			
	Total (bil. dol.)	Annual percent change ¹	Percent of—		Total (bil. dol.)	Annual percent change ¹	Percent of—		Total (bil. dol.)	Annual percent change ¹	Percent of—	
			Total GNP ²	Total govt. outlays			Total GNP ²	Total Federal outlays			Total GNP ²	Total State and local outlays
1960.....	52.3	9.9	10.3	36.4	25.0	11.3	4.9	26.1	27.3	6.7	5.4	60.1
1970.....	146.9	10.9	14.7	49.2	77.9	12.9	7.8	40.1	69.5	9.8	6.9	64.0
1975.....	290.1	14.7	18.0	57.9	167.4	16.7	11.9	62.0	122.7	12.4	8.0	65.9
1980.....	482.5	11.2	19.9	66.5	292.8	12.6	11.5	64.9	199.9	9.1	7.1	60.8
1985.....	730.4	9.2	19.5	61.2	482.8	8.4	11.5	47.8	277.5	7.9	7.0	68.0
1986.....	770.5	5.5	19.4	47.9	472.4	4.9	11.3	47.8	299.2	7.4	7.1	68.2

¹ Change from prior year shown; for 1960, change from 1955. ² Gross national product.

Source: U.S. Social Security Administration, *Social Security Bulletin*, November 1988.

NO. 568. PUBLIC INCOME-MAINTENANCE PROGRAMS—CASH BENEFIT PAYMENTS: 1970 TO 1987

[Includes payments outside the United States and benefits to dependents, where applicable]

PROGRAM	PAYMENTS (bil. dol.)										PERCENT		
	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987	1970	1980	1986
Total ¹	60.6	126.8	226.1	241.5	292.9	295.8	309.7	329.1	348.8	(NA)	165.8	165.8	165.8
Percent of personal income ²	7.3	10.6	10.1	9.8	10.6	10.5	9.9	9.9	9.8	(NA)	(X)	(X)	(X)
OASDI ³	31.6	66.1	120.3	128.7	155.7	165.9	175.5	185.1	199.8	201.7	52.2	52.8	56.1
Public employee retirement ⁴	9.2	21.3	40.6	46.4	51.4	55.0	58.8	64.7	69.0	(NA)	18.2	17.8	20.0
Railroad retirement	1.8	3.3	4.9	5.4	5.8	6.0	6.1	6.3	6.4	6.5	2.9	2.1	1.9
Veterans' pensions, compensation	5.6	7.7	11.4	12.6	13.3	13.7	13.9	14.1	14.2	14.3	9.1	5.0	4.1
Unemployment benefits ⁵	4.2	18.3	18.9	13.7	21.1	19.2	13.8	14.4	15.0	14.4	7.0	6.3	4.6
Temporary disability benefits	.7	.9	1.4	1.6	1.6	1.6	1.6	1.6	1.6	2.0	1.2	.8	.8
Workers' compensation ⁶	3.0	4.8	9.7	10.8	11.3	11.9	13.3	15.1	16.7	(NA)	3.3	4.3	4.8
Public assistance ⁷	4.6	9.3	12.1	13.2	13.0	12.9	14.6	15.2	16.1	16.5	9.0	5.3	4.7
Supplemental Security Income ⁸	(X)	5.9	7.9	8.5	9.0	9.5	10.4	11.1	12.1	14.8	(X)	3.4	3.5

NA Not available. X Not applicable. ¹ Includes lump sum death benefits, not shown separately. ² For base data, see table 566. ³ Old-age, survivors, and disability insurance under Federal Social Security Act; see text, section 12.

⁴ Excludes refunds of contributions to employees who leave service. ⁵ Beginning 1981, covers State unemployment insurance, Ex-Servicemen's Compensation Act and railroad unemployment insurance only. ⁶ Includes black lung benefits.

⁷ Beginning 1975, Federal grants to States for aid to aged, blind, and disabled replaced by Supplemental Security Income program; see text, section 12.

Source: U.S. Social Security Administration, *Social Security Bulletin*, monthly and unpublished data.

NO. 569. HOUSEHOLDS RECEIVING MEANS-TESTED NONCASH BENEFITS, 1960 TO 1986, AND BY POVERTY STATUS, 1986

[Households as of March of following year. Covers civilian noninstitutional population, including persons in the Armed Forces living off post or with their families on post. A means-tested benefit program requires that the household's income and/or assets fall below specified guidelines in order to qualify for benefits. The means-tested noncash benefits covered are food stamps, free or reduced-price school lunches, public or subsidized housing, and Medicaid. There are general trends toward under-estimation of noncash beneficiaries. Households are classified according to poverty status of family or nonfamily householder; for explanation of poverty level, see text, section 14. Based on Current Population Survey; see text, section 1, and Appendix III]

TYPE OF BENEFIT RECEIVED	1960, total (1,000)	1965, total (1,000)	1974, total (1,000)	1980, total (1,000)	1986, total (1,000)	1986		
						Total (1,000)	Below poverty level	
							Number (1,000)	Percent distribution
Total households.....	68,988	68,467	66,769	62,366	68,479	11,891	189.9	77,578
Not receiving noncash benefits.....	68,102	70,888	72,194	73,892	74,570	4,735	39.8	69,835
Not receiving cash public assistance.....	67,743	70,846	71,899	72,791	74,406	4,651	39.8	69,725
Receiving cash public assistance ¹	399	341	337	361	388	388	.4	210
Receiving at least one noncash benefit.....	14,886	14,621	14,664	14,466	14,909	7,156	60.2	7,643
Not receiving cash public assistance.....	7,880	6,153	7,873	7,880	8,181	3,007	25.3	5,174
Receiving cash public assistance ¹	6,407	6,368	6,821	6,607	6,828	4,153	34.9	2,469
Total households receiving—								
Food stamps.....	6,788	7,170	7,081	6,779	6,588	4,818	40.5	1,776
School lunch.....	6,822	6,646	6,607	6,762	6,979	3,089	25.7	2,891
Public housing.....	2,777	2,964	2,958	2,769	2,769	2,007	17.6	1,892
Medicaid.....	6,897	3,148	6,398	3,179	6,621	4,893	41.1	3,828

¹ Households receiving money from Aid to Families with Dependent Children program, Supplemental Security Income program or other public assistance programs.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 185 and earlier and forthcoming reports.

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED DATE 08-27-2008 BY 60322 UCBAW

[illegible]

No. 571. SOCIAL INSURANCE AND RELATED PROGRAMS—CASH BENEFICIARIES AND BENEFITS, BY PROGRAM: 1960 TO 1966

[Includes some beneficiaries and benefit payments for some programs in outlying areas. OASDHI—Old-age, survivors, disability, and health insurance, Federal programs under Social Security Act; see text, section 12. Partly estimated. See also *Historical Statistics, Colonial Times to 1970*, series H 125-171]

PROGRAM	BENEFICIARIES ¹ (1,000)					AMOUNT OF BENEFITS (mil. dol.)				
	1960	1966	1964	1965	1966	1965	1966	1964	1966	1960
Total.....	(X)	(X)	(X)	(X)	(X)	267,767	275,106	263,236	362,627	318,436
Percent of personal income.....	(X)	(X)	(X)	(X)	(X)	8.2	9.7	9.1	9.1	9.0
Retirement ²	(X)	(X)	(X)	(X)	(X)	112,262	161,227	175,694	166,766	266,166
OASDHI.....	22,267	24,746	25,257	25,736	25,157	77,905	114,046	123,604	132,266	140,416
Public employee retirement.....	4,206	4,667	5,126	5,313	5,466	32,416	43,561	47,966	52,600	55,622
Federal civil service.....	613	1,015	1,057	1,122	1,166	10,227	14,006	15,245	16,111	16,762
Other Federal employee ³	1,146	1,236	1,261	1,366	1,366	11,367	14,654	15,316	16,076	16,352
State and local government.....	2,146	2,406	2,606	2,607	3,030	10,762	14,724	17,377	20,411	22,677
Railroad retirement.....	566	566	562	566	575	2,631	3,056	3,762	3,662	3,943
Disability ^{2 4}	(X)	(X)	(X)	(X)	(X)	36,666	46,666	46,666	62,664	66,166
OASDHI.....	4,736	3,675	3,606	3,675	3,716	16,437	17,666	17,762	16,647	16,624
Public employee retirement.....	730	766	730	666	662	5,371	7,351	6,221	6,607	7,023
Federal civil service.....	356	356	356	332	666	2,606	3,613	3,221	3,404	3,546
Other Federal employee ³	157	145	144	144	144	1,275	1,452	1,436	1,466	1,437
State and local government.....	206	246	223	213	223	1,211	1,967	1,666	1,664	2,036
Railroad retirement.....	65	66	67	65	64	664	674	661	666	706
Veterans Admin. programs ⁵	3,164	3,030	2,606	2,606	2,664	3,662	10,466	10,576	10,746	10,666
Workers' compensation.....	(NA)	(NA)	(NA)	(NA)	(NA)	7,345	9,514	10,645	12,664	14,132
Black lung benefit program.....	252	134	172	166	140	1,077	671	622	766	603
Temporary disability:										
State insurance ⁶	166	224	161	67	143	1,300	1,300	1,664	1,644	1,977
Railroad insurance.....	14	13	11	11	12	66	60	42	46	52
Survivor monthly benefits.....	(X)	(X)	(X)	(X)	(X)	34,666	45,616	44,651	46,666	45,712
OASDHI.....	3,606	7,310	7,166	7,162	7,127	26,664	33,164	33,617	34,607	33,766
Public employee retirement.....	766	642	666	672	611	2,666	4,076	4,431	4,766	5,066
Federal civil service.....	436	566	436	601	516	1,666	2,677	3,056	3,177	3,311
Other Federal employee ³	71	66	104	114	123	301	436	356	616	677
State and local government.....	253	246	242	257	257	664	603	672	675	1,064
Railroad retirement.....	366	310	322	311	666	1,372	1,671	1,676	1,702	1,722
Veterans Admin. programs ⁵	1,436	1,227	1,157	1,062	1,036	2,765	3,162	3,230	3,310	3,375
Workers' compensation.....	(NA)	(NA)	(NA)	(NA)	(NA)	675	610	665	660	1,101
Black lung benefit program.....	156	200	151	140	144	666	700	710	730	660
Lump-sum payments.....	(X)	(X)	(X)	(X)	(X)	664	666	766	666	1,312
OASDHI.....	(X)	(X)	(X)	(X)	(X)	366	205	166	143	136
Public employee retirement.....	(X)	(X)	(X)	(X)	(X)	377	461	434	660	1,046
Federal civil service.....	(X)	(X)	(X)	(X)	(X)	23	64	37	64	47
Other Federal employee.....	(X)	(X)	(X)	(X)	(X)	3	5	6	6	6
State and local government.....	(X)	(X)	(X)	(X)	(X)	366	452	661	640	662
Railroad retirement.....	(X)	(X)	(X)	(X)	(X)	14	11	11	9	10
Veterans Admin. programs ⁵	(X)	(X)	(X)	(X)	(X)	176	116	123	124	120
Unemployment.....	(X)	(X)	(X)	(X)	(X)	16,666	16,661	13,643	14,761	16,116
State unemployment insurance ⁷ ..	2,630	2,367	2,167	2,466	2,361	16,766	16,662	13,465	14,626	15,066
Railroad unemployment insurance.....	36	43	65	26	24	176	263	146	162	126

NA Not available. X Not applicable. ¹ For old-age, survivors, disability, and health insurance, average monthly number; for public employee retirement systems, railroad retirement program, veterans programs, and the black lung benefit program, number on rolls June 30; for State unemployment and temporary disability insurance, average weekly number; for railroad unemployment and temporary disability insurance, average number during 14-day registration period. ² Includes benefits to dependents where applicable. ³ Benefits for career military personnel (those with 20 years' service) are paid by the U.S. Dept. of Defense and are included under "Other Federal employee". ⁴ Excludes payments for medical care. ⁵ Payable in CA, NJ, NY, RI, and PR under public and private plans. Data for beneficiaries in NJ not available. ⁶ Lump sums are for burial of deceased veterans. ⁷ Includes payments made by the States as agents of the Federal Government under the Federal employees' unemployment compensation program and under the Ex-Servicemen's Compensation Act of 1966, and payment under the extended unemployment insurance programs, the Trade Expansion Act of 1962, the Disaster Relief Act of 1970 and the Trade Act of 1974. Beginning 1963, payments cover State unemployment insurance and Ex-Servicemen's Compensation Act only. Beneficiaries relate to regular State unemployment insurance, Federal employee (1960), and ex-servicemen programs only. Includes Puerto Rico.

Source: U.S. Social Security Administration, *Annual Statistical Supplement to the Social Security Bulletin*, and unpublished data.

No. 572. ESTIMATED WORKERS UNDER SOCIAL INSURANCE PROGRAMS: 1960 TO 1967

[In millions. As of December, except as noted. See also *Historical Statistics, Colonial Times to 1970*, series H 51-56]

EMPLOYMENT AND COVERAGE STATUS	1960	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Total labor force ¹ ²	73.1	88.2	98.2	108.1	110.7	112.7	113.5	115.7	117.6	118.8	122.0
Paid civilian population	64.6	77.6	86.0	95.6	98.0	98.4	102.2	105.5	107.7	110.3	113.7
Unpaid family workers	1.4	.8	.7	.6	.5	.5	.6	.5	.4	.3	.4
Unemployed	4.6	2.6	2.3	7.4	6.0	11.6	9.0	6.0	7.7	7.5	6.5
Armed Forces ³	2.5	3.4	2.2	2.1	2.2	2.2	1.7	1.7	1.7	1.7	1.7
Civilian population covered by:											
Public retirement programs	60.9	75.3	83.7	95.4	96.4	95.7	98.5	104.7	108.9	108.7	112.3
OASDIH ⁴	55.4	69.2	77.0	89.3	89.5	88.9	92.7	97.5	99.7	102.5	106.1
Railroad retirement	.9	.6	.5	.5	.5	.4	.4	.4	.5	.3	.3
Public employees retirement ⁵	4.6	5.5	6.2	5.6	6.4	6.4	6.4	6.8	8.9	6.9	6.9
Unemployment insurance	43.7	55.8	48.7	47.2	46.8	47.9	41.3	45.8	46.2	100.2	103.7
Workers' compensation	44.8	59.0	68.8	79.1	78.8	78.1	80.5	83.4	86.1	87.2	(NA)
Temporary disability insurance	11.3	14.6	15.7	18.4	18.4	18.1	18.7	19.3	18.8	20.3	(NA)

NA Not available. ¹ Data from U.S. Bureau of Labor Statistics and based on U.S. Bureau of the Census' Current Population Survey, see text, section 1, and Appendix M. ² Excludes Armed Forces overseas beginning 1983. ³ OASDIH—Old-age, survivors, disability, and health insurance. Excludes members of Armed Forces and railroad employees. ⁴ Data represent yearly averages. Excludes State and local government employees covered by both OASDIH and their own retirement program.

Source: U.S. Social Security Administration, *Annual Statistical Supplement to the Social Security Bulletin*.

No. 573. SELECTED SOCIAL INSURANCE PROGRAMS—ESTIMATED PAYROLLS OF COVERED EMPLOYMENT IN RELATION TO WAGES AND SALARIES: 1970 TO 1986

[In billions of dollars, except percent. Data for Federal civilian and military personnel cover all areas. Gross amount before deduction of social insurance contributions. OASDIH: Old-age, survivors, disability, and health insurance programs under Social Security Act; see text, section 12. See also *Historical Statistics, Colonial Times to 1970*, series H 57-60]

PROGRAM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Total earnings ¹	615	806	1,370	1,534	1,613	1,717	1,868	2,074	2,232	2,379
All wages and salaries ¹	549	808	1,238	1,367	1,493	1,586	1,888	1,837	1,875	2,088
Civilian	528	783	1,211	1,327	1,458	1,526	1,819	1,775	1,826	2,039
Payrolls covered by:										
Retirement programs ²	528	783	1,207	1,326	1,451	1,531	1,814	1,787	1,804	2,016
OASDIH ³ ⁴	480	719	1,116	1,229	1,346	1,422	1,500	1,849	1,779	1,885
Railroad retirement ⁵	8	8	12	13	19	12	12	13	13	12
Federal civil service	26	37	46	52	56	59	62	65	70	73
State and local government	53	87	116	131	142	154	166	178	175	190
Unemployment insurance ⁶	389	653	1,134	1,243	1,367	1,503	1,582	1,731	1,870	1,983
Workers' compensation program ⁷	437	672	1,041	1,138	1,247	1,301	1,382	1,518	1,818	1,725
Net earnings in self-employment covered by OASDIH	46	70	100	97	94	98	108	120	122	132
Percent of civilian payrolls covered by—										
OASDIH ³ ⁸	90.9	91.1	92.3	92.6	92.5	93.1	92.6	92.9	92.4	92.6
Railroad retirement ⁵	1.2	1.1	1.0	1.0	.9	.8	.7	.7	.7	.8
Federal civil service retirement	5.0	4.7	4.0	3.9	3.8	3.9	3.8	3.7	3.6	3.6
State and local government retirement	10.1	11.1	9.7	9.9	9.7	10.1	10.3	10.1	9.1	9.3
Unemployment insurance ⁶	73.7	83.4	93.6	93.7	93.8	96.4	97.7	97.5	97.1	97.3
Workers' compensation programs ⁷	82.6	85.6	84.6	86.7	85.6	85.1	85.4	85.4	84.0	84.8

¹ Data from U.S. Bureau of Economic Analysis. Earnings include self-employed; wages and salaries represent civilian and military pay in cash and in kind. ² Adjusted for duplication in coverage by both OASDIH and State and local government retirement systems. ³ Taxable plus estimated nontaxable wages and salaries. ⁴ Includes Armed Forces in all areas. ⁵ Payrolls of employers insured with private carriers, State funds, or self-insured, and pay covered by Federal programs in all areas.

⁶ Percent computed after excluding Armed Forces payroll covered by OASDIH.

Source: U.S. Social Security Administration, *Annual Statistical Supplement to the Social Security Bulletin*, and unpublished data.

No. 574. SELECTED SOCIAL INSURANCE PROGRAMS—SOURCE OF FUNDS FROM CONTRIBUTIONS AND TRANSFERS: 1970 TO 1987

(In millions of dollars)

PROGRAM AND SOURCE OF FUNDS	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Social Security trust funds:										
Old-age and survivors insurance (OASI)	30,705	57,541	103,936	123,301	134,308	143,873	157,052	182,368	194,325	208,049
Employer	14,489	27,184	49,731	59,972	66,108	69,395	78,110	93,092	90,391	95,489
Employee	14,204	26,947	49,436	59,899	58,818	63,731	73,991	83,400	89,798	95,122
Self-employed	1,584	2,604	4,269	4,999	5,849	5,049	6,032	7,720	8,755	10,122
Government ¹	449	425	540	875	880	11,182	887	2,529	485	408
Tax credits ²	00	00	00	00	00	00	4,607	1,829	1,605	1,649
Taxation of benefits ³	00	00	00	00	00	00	2,835	3,208	3,434	3,257
Disability insurance (DI)	4,497	7,534	13,365	16,900	22,169	19,112	18,135	18,430	18,637	19,555
Employer	2,154	3,362	6,307	8,074	10,597	8,379	7,536	8,119	8,703	9,282
Employee	2,117	3,580	6,254	8,095	10,574	6,339	7,134	8,087	8,658	9,299
Self-employed	210	352	694	829	834	530	741	776	858	902
Government ¹	18	80	130	108	174	1,585	82	1,046	31	21
Tax credits ²	00	00	00	00	00	00	441	178	152	159
Taxation of benefits ³	00	00	00	00	00	00	190	222	236	—39
Hospital insurance (HI) ⁴	5,820	12,316	24,982	34,187	35,976	41,283	43,571	48,035	55,845	65,772
Employer	2,379	5,578	11,581	16,087	16,791	18,187	20,399	22,813	25,995	27,790
Employee	2,332	5,530	11,518	16,015	16,734	18,128	20,369	22,549	25,879	27,687
Self-employed	189	205	738	885	1,081	943	1,381	1,970	2,308	2,805
Government ¹	874	670	871	900	1,015	3,639	899	47	957	980
Supplementary medical insurance (SMI) ⁵	2,199	4,589	10,486	15,013	15,991	19,097	22,221	23,993	23,534	30,599
Aged	1,098	1,759	2,707	3,368	3,341	3,845	4,721	5,105	5,218	6,747
Disabled	00	159	304	365	355	381	445	508	504	691
Government	1,099	2,648	7,485	11,291	12,284	14,861	17,054	18,380	17,802	23,550
Railroad retirement ⁶	999	1,506	2,890	2,927	3,304	3,804	4,803	4,998	4,811	(NA)
Employer	510	1,149	1,722	1,817	2,035	2,514	2,379	2,417	2,413	(NA)
Employee	439	356	594	864	858	849	1,022	1,110	1,120	(NA)
Government ¹	19	4	313	128	410	741	1,086	1,099	873	(NA)
Federal civil service	3,670	9,507	19,990	22,554	23,964	25,124	25,595	27,190	(NA)	(NA)
Employer (Federal and DC govt.)	2,001	6,905	18,220	18,508	19,739	20,873	20,900	22,472	(NA)	(NA)
Employee	1,669	2,600	3,766	4,046	4,226	4,451	4,695	4,695	(NA)	(NA)
State and local government ⁷	7,895	14,560	25,654	27,896	30,782	32,790	34,309	(NA)	(NA)	(NA)
Employer (government)	4,920	9,660	18,778	20,190	22,368	24,050	25,305	(NA)	(NA)	(NA)
Employee	2,975	4,900	6,876	7,706	8,416	8,740	9,004	(NA)	(NA)	(NA)

NA Not available. X Not applicable.

¹ Represents cost of gratuitous military service wage credits and, for OASI only, Federal payments for special age-72 benefits. For HI only, also includes transfers of appropriations for HI benefits of persons not insured for cash benefits under OASI, DI, or railroad retirement and, beginning 1980, transfers for Professional Standards Review Organization expenditures. Beginning 1983, includes taxes on deemed wage credits for military service performed after 1955. ² See footnotes 4, 5, and 6, table 575.

³ Revenues arising from application of income tax to up to half of the social security benefits of beneficiaries who have substantial amounts of other income. Minus sign (—) indicates tax refunds. ⁴ Includes other sources not shown separately.

⁵ Includes premiums paid on behalf of eligible by State governments under "pay-or" arrangements. ⁶ Includes HI contributions and includes employer contributions to supplement benefit account. ⁷ Includes voluntary contributions to purchase additional annuity. ⁸ Estimated.

No. 575. SOCIAL SECURITY (OASDI)—COVERED EMPLOYMENT AND EARNINGS: 1970 TO 1987

(Includes Puerto Rico, Virgin Islands, American Samoa, and Guam. OASDI: Old-age, survivors, and disability insurance. Represents all reported employment. Data are estimated. See also *Historical Statistics, Colonial Times to 1970*, series H 172-195)

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Living covered workers¹	Million	133.5	145.2	159.0	161.5	163.4	165.9	167.8	169.5	171.4	173.9
With insured status²	Million	105.3	120.0	136.7	140.3	142.9	144.5	145.9	147.9	150.5	152.7
Male	Million	61.7	69.1	75.4	76.8	77.7	78.2	78.8	79.6	80.8	81.5
Female	Million	43.6	51.9	61.3	63.5	65.1	66.2	67.2	68.3	69.8	71.2
Under 25 years old	Million	17.7	21.6	25.3	26.0	25.3	24.4	23.1	22.2	21.9	21.4
25-34 years old	Million	22.2	25.5	24.3	26.4	27.3	28.0	28.6	29.3	30.1	30.7
35-44 years old	Million	19.0	19.1	22.4	23.1	24.4	25.9	27.2	28.6	29.9	31.3
45-54 years old	Million	19.2	19.4	18.7	18.6	18.6	18.5	18.5	18.0	18.3	18.9
55-64 years old	Million	10.5	11.9	12.6	12.7	12.8	12.8	12.7	12.6	12.6	12.4
65-69 years old	Million	3.7	4.2	4.8	4.7	4.8	4.9	5.0	5.1	5.2	5.2
70 years old and over	Million	5.0	5.9	6.7	6.8	7.0	7.0	7.1	7.3	7.5	7.8
Workers reported with—											
Taxable earnings ³	Million	63	100	114	116	113	113	119	122	125	129
Maximum earnings ³	Million	24	15	10	9	8	7	7	7	7	7
Earnings in covered employment	Bil. dol.	532	787	1,321	1,446	1,512	1,608	1,770	1,907	2,036	2,162
Reported taxable ³	Bil. dol.	416	685	1,175	1,301	1,357	1,449	1,603	1,719	1,844	1,980
Percent of total	Percent	78.2	84.5	88.9	89.8	89.7	90.1	90.6	90.1	90.5	90.6
Average per worker											
Total earnings	Dollar	5,711	7,854	11,556	12,821	13,491	14,183	14,926	15,653	16,371	16,910
Taxable earnings ³	Dollar	4,464	6,534	10,882	11,250	12,046	12,775	13,522	14,113	14,810	15,329

¹ Estimated number of persons who had covered employment at any time during the period 1967 to year shown; not adjusted to reflect effect of (a) provisions that coordinate the OASDI and railroad retirement programs and (b) wage credits for military service. Only partially adjusted to eliminate duplicate count of persons with taxable earnings reported on more than one account number; effect of such duplication is substantially less significant for the insured than for the uninsured. Includes persons currently insured and not insured, not shown separately. ² Fully insured for retirement and/or survivor benefits as of beginning of year. ³ Includes self-employment. See table 575 for maximum taxable earnings.

Source of tables 574 and 575: U.S. Social Security Administration, *Annual Statistical Supplement to the Social Security Bulletin*, and unpublished data.

NO. 576. SOCIAL SECURITY (OASDI)—CONTRIBUTION RATES: 1970 TO 1990

[As of January 1, except as noted. Effect of changes represents first full-year effect on contributions of changes in taxable wage base and combined tax rate. OASDI—Old-age, survivors, and disability insurance; HI—Hospital insurance]

YEAR	Annual maximum taxable earnings (dol.)	Maximum tax (dol.)	CONTRIBUTION RATES (percent)						Supplementary medical insurance, monthly rate (dol.)	EFFECT ON CONTRIBUTIONS OF CHANGES IN WAGE BASE AND/OR TAX RATE (bil. dol.)		
			Each employer and employee			Self-employed				Total	Wage base	Tax rate
			Total	OASDI	HI	Total	OASDI	HI				
In effect:												
1970	7,600	974	4.80	4.20	.60	6.80	6.30	.50	¹ 5.30	(²)	(²)	(²)
1975	14,100	825	5.85	4.95	.90	7.80	7.00	.80	6.70	1.4	1.4	(²)
1980	25,800	1,586	6.13	5.08	1.05	8.10	7.05	1.05	¹ 6.80	3.6	3.6	(²)
1981	26,700	1,675	6.65	5.35	1.30	9.30	8.00	1.30	¹ 11.00	16.0	4.2	12.7
1982	32,400	2,171	6.70	5.40	1.30	9.35	8.05	1.30	¹ 12.20	4.1	2.8	1.3
1983	35,700	2,362	6.70	5.40	1.30	9.35	8.05	1.30	12.20	3.1	3.1	(²)
1984	37,800	³ 2,535	⁴ 7.00	5.70	1.30	⁵ 14.00	11.40	2.60	14.80	⁶ 10.8	1.8	⁷ 9.0
1985	39,600	2,792	7.05	5.70	1.35	⁵ 14.10	11.40	2.70	15.50	3.4	1.7	1.7
1986	42,000	3,003	7.15	5.70	1.45	⁵ 14.30	11.40	2.90	15.50	6.2	2.5	3.7
1987	42,800	3,132	7.15	5.70	1.45	⁵ 14.30	11.40	2.90	17.90	2.2	2.2	(²)
1988	45,000	3,260	7.51	6.08	1.45	⁵ 15.02	12.12	2.90	24.80	16.4	1.3	15.1
1989	(²)	(²)	7.51	6.08	1.45	⁵ 15.02	12.12	2.90	(na)	(na)	(na)	(na)
Future schedule: 1990 and thereafter	(²)	(²)	7.85	6.20	1.45	15.30	12.40	2.80	(na)	(na)	(na)	(na)

NA Not available. ¹Effective July 1. ²No increase occurred. ³Employee's maximum tax; see footnote 4. ⁴Employee pays 6.7 percent. Employee's additional .3 percent is supplied from general revenues. ⁵Self-employed pays 11.3 percent in 1984, 11.5 percent in 1985, 12.3 percent in 1986 and 1987, and 13.02 percent in 1988 and 1989. The additional amount is supplied from general revenues. ⁶\$4.5 billion of this increase was offset by employee tax credit. ⁷Will be adjusted by Federal law to reflect increasing average earnings levels.

Source: U.S. Social Security Administration, *Annual Statistical Supplement to the Social Security Bulletin*, and unpublished data.

NO. 577. SOCIAL SECURITY TRUST FUNDS: 1970 TO 1987

[In millions of dollars, except percent. See also *Historical Statistics, Colonial Times to 1970*, series H 236-242]

TYPE OF TRUST FUND	1970	1975	1980	1983	1984	1985	1986	1987
Old-age and survivors insurance (OASI):								
Net contribution income ¹	30,256	58,516	103,458	123,673	136,237	166,957	180,185	194,185
Transfers from general revenues ²	449	425	540	686	5,541	105	2,203	188
Interest received ³	1,515	2,384	1,845	845	6,706	2,566	1,871	3,089
Benefit payments ⁴	26,796	58,517	105,083	⁵ 136,806	148,221	167,841	167,248	176,813
Assets, end of year	32,454	68,867	22,823	⁶ 22,088	⁶ 10,672	⁶ 27,117	⁶ 35,842	38,081
Reserve ratio ⁷ (percent)	111	62	21	18	13	17	21	22
Disability insurance (DI):								
Net contribution income ¹	4,491	7,444	13,255	21,886	17,991	16,135	17,413	18,837
Transfers from general revenues ²	16	80	130	174	1,121	-	1,017	-
Interest received ³	277	802	485	546	1,989	1,174	670	803
Benefit payments ⁴	3,085	6,825	15,515	⁵ 17,378	17,824	17,808	18,827	18,853
Assets, end of year	6,514	7,364	3,829	⁶ 2,891	⁶ 5,165	⁶ 3,369	⁶ 4,321	7,780
Reserve ratio ⁷ (percent)	174	64	23	15	29	21	33	26
Hospital insurance (HI):								
Net contribution income ¹	4,891	11,809	23,899	34,810	39,169	42,488	47,817	54,626
Transfers from general revenues ²	874	670	671	1,015	2,755	752	47	657
Interest received ³	168	983	1,149	2,022	3,255	3,180	3,382	3,619
Benefit payments ⁴	5,124	11,315	25,064	35,831	38,337	43,257	47,480	48,798
Assets, end of year	3,202	10,817	13,749	⁶ 8,194	⁶ 12,858	⁶ 15,991	⁶ 20,489	38,957
Reserve ratio ⁷ (percent)	61	91	54	23	32	36	42	79
Supplementary medical insurance (SMI):								
Net premium income	1,086	1,918	3,011	⁸ 3,887	4,238	5,167	5,813	5,722
Transfers from general revenues	1,086	2,648	7,455	⁹ 12,284	14,861	17,054	18,250	17,802
Interest received	12	108	408	589	725	859	1,548	1,141
Benefit payments	1,975	4,273	10,635	15,485	18,106	19,881	22,947	25,236
Assets, end of year	165	1,444	4,530	6,230	7,070	8,898	10,984	8,291
Reserve ratio ⁷ (percent)	6	30	40	39	37	47	46	26

- Represents zero. ¹Includes deposits by States and deductions for refund of estimated employee-tax overpayment. Beginning in 1983, includes government contributions on deemed wage credits for military service in 1967 and later. Beginning 1984 includes tax credits on wages paid in 1984 and net earnings from self-employment in 1984-87; and location of benefits.

²Includes payments (1) for costs of noncontributory wage credits for military service performed before 1967; (2) in 1975-82, for costs of deemed wage credits for military service performed after 1965; and, for OASDI only, (3) for costs of benefits to certain uninsured persons who attained age 72 before 1985. ³Beginning in 1983, includes interest on advance tax transfers and interest on reimbursement for unnegotiated checks. Data for 1983 and 1984 reflect interest on deemed wage credits for military service performed after 1965. Data for 1982-1985 reflect interest on interfund borrowing. ⁴Includes payments for vocational rehabilitation services furnished to disabled persons receiving benefits because of their disabilities. Beginning in 1983, amounts reflect deductions for unnegotiated benefit checks. ⁵Data adjusted to reflect 12 months of benefit payments. ⁶Includes \$16 billion borrowed from the DI and HI Trust Funds. Repayments on Jan. 31, 1985, reduced such amounts to \$13.2 billion.

⁷Assets at end of year as a percentage of benefit payments and administrative expenses during the year. ⁸Excludes \$5 billion lent to the OASDI Trust Fund. Repayment on Jan. 31, 1985, reduced the total to \$2.5 billion. ⁹Beginning in 1975, includes premiums from aged ineligible enrolled in HI. ¹⁰Represents Federal Government transfers from general-fund appropriations to offset costs of benefits for persons not insured for cash benefits under OASDI-HI or railroad retirement and for costs of benefits arising from military wage credits. ¹¹Excludes \$12 billion lent to the OASDI Trust Fund. Repayment on Jan. 31, 1985, reduced the total to \$10.8 billion. ¹²Data adjusted to reflect 12 months of premium and general revenue income.

Source: U.S. Social Security Administration, *Annual Report of Board of Trustees, OASDI, DI, HI, and SMI Trust Funds*. Also published in *Social Security Bulletin*, monthly.

NO. 578. SOCIAL SECURITY (OASDI)—BENEFITS, BY TYPE OF BENEFICIARY: 1970 TO 1987

[A person eligible to receive more than one type of benefit is generally classified or counted only once as a retired-worker beneficiary. OASDI—Old-age, survivors, and disability insurance. See also headnote, table 575; Appendix II; and *Historical Statistics, Colonial Times to 1970*, series H 167-229]

TYPE OF BENEFICIARY	1970	1971	1980	1981	1982	1983	1984	1985	1986	1987
BENEFITS IN CURRENT-PAYMENT STATUS ¹ (end of year)										
Number of benefits (1,000).....	28,229	32,005	35,545	36,085	35,820	35,085	36,478	37,058	37,763	38,190
Retired workers ² (1,000).....	19,349	18,588	19,562	20,195	20,769	21,418	21,908	22,432	22,980	23,440
Disabled workers ² (1,000).....	1,493	2,489	2,859	2,777	2,604	2,569	2,597	2,657	2,728	2,786
Wives and husbands ^{2,4} (1,000).....	2,852	3,320	3,477	3,489	3,405	3,347	3,355	3,375	3,387	3,381
Children (1,000).....	4,122	4,972	4,607	4,430	3,883	3,593	3,408	3,319	3,295	3,244
Under age 18.....	3,316	3,836	3,423	3,208	2,834	2,512	2,728	2,698	2,665	2,604
Disabled children ⁵	271	362	450	468	472	468	506	528	545	551
Students ⁶	537	774	753	761	476	299	173	84	84	79
Of retired workers.....	548	543	688	633	508	512	477	457	450	440
Of deceased workers.....	2,668	2,619	2,610	2,546	2,321	2,146	2,010	1,917	1,879	1,836
Of disabled workers.....	889	1,411	1,358	1,252	1,004	836	821	845	885	886
Widowed mothers ⁷ (1,000).....	523	582	562	548	515	400	382	372	351	329
Widows and widowers ^{7,8} (1,000).....	3,227	3,889	4,411	4,508	4,685	4,804	4,779	4,803	4,828	4,884
Parents ² (1,000).....	29	21	15	14	12	11	10	10	9	6
Special benefits ⁹ (1,000).....	534	234	88	76	63	51	40	32	25	19
Average monthly benefit, current dollars:										
Retired workers ²	118	207	341	385	419	441	461	479	489	513
Retired worker and wife ²	199	344	567	614	702	749	780	814	831	873
Disabled workers ²	131	289	371	413	441	458	471	484	488	508
Wives and husbands ^{2,4}	59	100	164	188	208	217	227	236	241	253
Children of retired workers.....	45	77	140	181	185	176	168	166	204	216
Children of deceased workers.....	82	139	240	271	285	299	314	320	327	332
Children of disabled workers.....	39	62	110	123	128	126	128	142	141	145
Widowed mothers ⁷	67	147	248	277	303	309	322	322	336	359
Widows and widowers, nondisabled ²	102	194	311	349	379	398	415	433	444	468
Parents ²	108	172	278	310	335	360	364	378	385	407
Special benefits ⁹	45	69	105	116	125	129	134	138	140	145
Average monthly benefit, constant (1987) dollars: ¹⁰										
Retired workers ²	342	430	495	474	495	502	505	506	511	513
Retired worker and wife ²	577	718	758	814	890	848	855	880	888	873
Disabled workers ²	380	470	496	507	521	519	518	511	509	508
Wives and husbands ^{2,4}	171	205	219	228	240	247	248	249	252	253
Children of deceased workers.....	238	389	321	333	337	339	344	348	353	352
Widowed mothers ⁷	252	306	329	340	356	352	353	351	353	353
Widows and widowers, nondisabled ²	296	403	416	429	448	451	455	457	464	468
BENEFITS AWARDED DURING YEAR (1,000)										
Number of benefits.....	3,722	4,427	4,215	4,089	3,949	3,785	3,691	3,794	3,943	3,734
Retired workers ²	1,336	1,508	1,620	1,600	1,525	1,570	1,507	1,580	1,734	1,882
Disabled workers ²	380	882	369	345	306	311	302	377	417	416
Wives and husbands ^{2,4}	436	488	489	437	430	436	425	440	441	411
Children.....	1,091	1,332	1,174	1,084	822	753	722	714	701	685
Widowed mothers ⁷	112	118	108	100	87	82	74	72	68	65
Widows and widowers ^{7,8}	363	377	452	481	495	502	500	502	491	475
Parents ²	2	1	1	1	1	(2)	(2)	(2)	(2)	(2)
Special benefits ⁹	20	4	1	1	1	1	1	1	(2)	(2)
BENEFIT PAYMENTS DURING YEAR (mil. dol.)										
Total amount ¹¹	31,883	66,933	120,472	140,895	156,137	167,033	175,782	186,196	196,882	204,189
Monthly benefits ¹²	31,570	66,586	120,118	140,662	155,934	166,827	175,551	185,958	196,489	203,953
Retired workers ²	18,437	38,078	70,369	83,814	95,123	103,578	109,857	116,823	123,584	128,513
Disabled workers ²	2,448	6,908	12,817	14,379	14,810	15,196	15,823	16,453	17,409	18,053
Wives and husbands ^{2,4}	2,194	4,104	7,043	5,228	9,191	9,834	10,396	11,081	11,700	12,130
Children.....	3,517	6,643	10,514	11,784	11,302	10,782	10,651	10,710	10,899	10,856
Under age 18.....	2,701	4,823	7,374	8,098	8,312	8,330	8,401	8,502	8,607	8,516
Disabled children ⁵	250	537	1,046	1,236	1,367	1,497	1,621	1,760	1,981	2,010
Students ⁶	566	1,283	2,093	2,481	1,802	955	629	447	251	429
Of retired workers.....	303	834	1,142	1,321	1,223	1,143	1,136	1,140	1,168	1,183
Of deceased workers.....	2,760	4,866	7,369	8,307	6,204	7,811	7,775	7,762	7,843	7,846
Of disabled workers.....	454	1,121	1,952	2,139	1,675	1,728	1,741	1,809	1,860	1,899
Widowed mothers ⁷	674	1,009	1,572	1,760	1,861	1,771	1,674	1,674	1,457	1,389
Widows and widowers ^{7,8}	4,055	9,595	17,836	20,749	23,488	25,425	27,325	29,330	31,345	32,839
Parents ²	39	50	55	56	59	55	53	51	46	44
Special benefits ⁹	208	188	118	110	100	85	71	67	47	38
Lump sum.....	294	337	355	332	203	205	212	207	203	208

NA Not available. Z Fewer than 800. ¹ Benefit payment actually being made at a specified time with no deductions or with deductions amounting to less than a month's benefit; i.e., the benefits actually being received. ² 62 years and over.

³ Disabled workers under age 65. ⁴ Includes wife beneficiaries with entitled children in their care and entitled divorced wives.

⁵ 18 years old and over. Disability began before age 18 and, beginning 1973, before age 22. ⁶ Full-time students aged 18-21.

⁷ Through 1984 and aged 18 and 19 beginning 1985. ⁸ Includes surviving divorced mothers with entitled children in their care and, beginning June 1973, widowed fathers with entitled children in their care. ⁹ Includes widows aged 60-61, surviving divorced wives aged 60 and over, disabled widows and widowers aged 60 and over, and beginning Jan. 1973, widows aged 60-61.

¹⁰ Benefits for persons aged 72 and over not insured under regular or transitional provisions of Social Security Act.

¹¹ Constant dollar figures are based on the consumer price index published by the U.S. Bureau of Labor Statistics; see table 785.

¹² Represents total disbursements of benefit checks by the U.S. Dept. of the Treasury during the years specified.

¹³ Distribution by type estimated.

Source: U.S. Social Security Administration, *Annual Statistical Supplement to the Social Security Bulletin*, and unpublished data.

THE 2002-2003 BUDGETARY CHALLENGES OF THE U.S. DEPARTMENT OF AGRICULTURE

January 1942 to 1945, and in State and Army work 1945

PLEASE PRINT NAME AND ADDRESS OF THE PERSON TO WHOM THE COPY IS TO BE SENT: _____

POPULATION				AREA				CAPITAL			
State	Pop.	Area	Cap.	State	Pop.	Area	Cap.	State	Pop.	Area	Cap.
Alabama	2,000,000	52,400	Montgomery	Alaska	29,000	376,800	Juneau	Arizona	535,000	113,900	Tucson
Alaska	29,000	376,800	Juneau	Arkansas	654,000	53,000	Fayetteville	California	3,511,000	155,600	Sacramento
Arizona	535,000	113,900	Tucson	Colorado	386,000	104,000	Denver	Connecticut	1,285,000	5,500	Hartford
Arkansas	654,000	53,000	Fayetteville	Delaware	248,000	1,900	Dover	District of Columbia	60,000	370	Washington
California	3,511,000	155,600	Sacramento	Florida	2,438,000	17,000	Tallahassee	Georgia	2,322,000	59,700	Atlanta
Colorado	386,000	104,000	Denver	Hawaii	130,000	10,400	Honolulu	Idaho	149,000	83,600	Boise
Connecticut	1,285,000	5,500	Hartford	Illinois	3,511,000	143,000	Springfield	Indiana	2,750,000	36,400	Indianapolis
District of Columbia	60,000	370	Washington	Iowa	2,230,000	36,500	Des Moines	Kansas	1,780,000	81,000	Topeka
Georgia	2,322,000	59,700	Atlanta	Kentucky	3,511,000	40,000	Frankfort	Louisiana	1,285,000	52,000	Baton Rouge
Hawaii	130,000	10,400	Honolulu	Maine	680,000	33,000	Portland	Maryland	2,438,000	11,800	Annapolis
Idaho	149,000	83,600	Boise	Massachusetts	2,438,000	8,000	Boston	Michigan	3,511,000	96,000	Lansing
Illinois	3,511,000	143,000	Springfield	Minnesota	2,438,000	86,000	St. Paul	Mississippi	1,285,000	47,000	Jackson
Indiana	2,750,000	36,400	Indianapolis	Missouri	2,438,000	71,000	Jefferson City	Montana	131,000	147,000	Helena
Iowa	2,230,000	36,500	Des Moines	Nebraska	1,285,000	77,000	Lincoln	Nevada	130,000	110,000	Carson City
Kansas	1,780,000	81,000	Topeka	Nevada	130,000	110,000	Carson City	New Hampshire	680,000	9,300	Manchester
Kentucky	3,511,000	40,000	Frankfort	New Hampshire	680,000	9,300	Manchester	New Jersey	8,700,000	19,200	Trenton
Louisiana	1,285,000	52,000	Baton Rouge	New Jersey	8,700,000	19,200	Trenton	New Mexico	201,000	121,000	Santa Fe
Maine	680,000	33,000	Portland	New Mexico	201,000	121,000	Santa Fe	New York	19,000,000	47,000	Albany
Maryland	2,438,000	11,800	Annapolis	New York	19,000,000	47,000	Albany	North Carolina	1,900,000	51,000	Raleigh
Massachusetts	2,438,000	8,000	Boston	North Carolina	1,900,000	51,000	Raleigh	North Dakota	620,000	70,000	Bismarck
Michigan	3,511,000	96,000	Lansing	North Dakota	620,000	70,000	Bismarck	Ohio	3,511,000	44,000	Columbus
Minnesota	2,438,000	86,000	St. Paul	Ohio	3,511,000	44,000	Columbus	Oklahoma	513,000	69,000	Norman
Mississippi	1,285,000	47,000	Jackson	Oklahoma	513,000	69,000	Norman	Oregon	406,000	24,000	Salem
Missouri	2,438,000	71,000	Jefferson City	Oregon	406,000	24,000	Salem	Rhode Island	1,000,000	1,500	Providence
Montana	131,000	147,000	Helena	Rhode Island	1,000,000	1,500	Providence	South Carolina	2,000,000	32,000	Columbia
Nebraska	1,285,000	77,000	Lincoln	South Carolina	2,000,000	32,000	Columbia	South Dakota	700,000	77,000	Sioux Falls
Nevada	130,000	110,000	Carson City	South Dakota	700,000	77,000	Sioux Falls	Tennessee	2,750,000	60,000	Memphis
New Hampshire	680,000	9,300	Manchester	Tennessee	2,750,000	60,000	Memphis	Texas	2,000,000	695,000	Austin
New Jersey	8,700,000	19,200	Trenton	Texas	2,000,000	695,000	Austin	Utah	175,000	84,000	Salt Lake City
New Mexico	201,000	121,000	Santa Fe	Utah	175,000	84,000	Salt Lake City	Vermont	57,000	9,600	Montpelier
New York	19,000,000	47,000	Albany	Vermont	57,000	9,600	Montpelier	Virginia	3,511,000	111,000	Richmond
North Carolina	1,900,000	51,000	Raleigh	Virginia	3,511,000	111,000	Richmond	Washington	4,914,000	36,800	Olympia
North Dakota	620,000	70,000	Bismarck	Washington	4,914,000	36,800	Olympia	West Virginia	600,000	62,000	Charleston
Ohio	3,511,000	44,000	Columbus	West Virginia	600,000	62,000	Charleston	Wisconsin	5,500,000	65,000	Madison
Oklahoma	513,000	69,000	Norman	Wisconsin	5,500,000	65,000	Madison	Wyoming	57,000	9,600	Cheyenne
Oregon	406,000	24,000	Salem	Wyoming	57,000	9,600	Cheyenne	Abroad	330,000	223,000	0
Rhode Island	1,000,000	1,500	Providence	Abroad	330,000	223,000	0				
South Carolina	2,000,000	32,000	Columbia								
South Dakota	700,000	77,000	Sioux Falls								
Tennessee	2,750,000	60,000	Memphis								
Texas	2,000,000	695,000	Austin								
Utah	175,000	84,000	Salt Lake City								
Vermont	57,000	9,600	Montpelier								
Virginia	3,511,000	111,000	Richmond								
Washington	4,914,000	36,800	Olympia								
West Virginia	600,000	62,000	Charleston								
Wisconsin	5,500,000	65,000	Madison								
Wyoming	57,000	9,600	Cheyenne								

Source: U.S. Social Security Administration, Quarterly in Social Security Bulletin

Source: U.S. Social Security Administration, Quarterly in Social Security Bulletin

No. 580. PENSION PLAN COVERAGE OF CIVILIAN WORKERS BY WAGE OR SALARY INCOME: 1986

[Covers civilian workers as of March of following year who had earnings in year shown. Based on Current Population Survey; see text, section 1 and Appendix III]

SEX, AGE, RACE AND HISPANIC ORIGIN	NUMBER WITH COVERAGE (1,000)					PERCENT OF TOTAL CIVILIAN WORKERS				
	Total ¹	\$5,000- \$14,999	\$15,000- \$24,999	\$25,000- \$34,999	\$35,000 and over	Total ¹	\$5,000- \$14,999	\$15,000- \$24,999	\$25,000- \$34,999	\$35,000 and over
Total ²	48,578	18,333	15,983	11,365	10,365	42.9	29.3	60.9	73.4	76.0
Male ³	29,097	3,342	8,043	8,093	9,087	47.0	23.0	58.5	72.1	75.8
15-24 years old	1,744	701	637	208	34	13.4	15.5	40.4	52.7	44.2
25-34 years old	8,224	1,045	2,949	2,410	1,722	45.8	21.5	52.7	65.0	60.8
35-44 years old	8,533	599	2,026	2,699	3,226	62.2	28.5	60.3	76.7	76.2
45-54 years old	5,988	427	1,301	1,988	2,534	67.1	34.7	66.3	75.8	80.6
55-64 years old	4,102	454	1,010	1,131	1,411	62.7	36.1	67.2	77.7	79.0
Female ³	20,481	6,999	7,940	3,271	1,328	37.8	33.7	66.1	76.8	76.9
15-24 years old	1,810	934	429	71	2	12.9	21.8	43.7	52.6	18.4
25-34 years old	6,143	1,936	2,641	885	364	38.4	31.5	60.9	70.2	73.4
35-44 years old	5,951	1,745	2,301	1,145	580	48.3	37.5	71.9	78.4	75.5
45-54 years old	3,907	1,247	1,834	727	276	60.7	41.1	72.8	84.4	81.8
55-64 years old	2,490	946	822	352	144	49.3	45.5	75.8	85.6	86.2
White	43,090	8,495	13,636	10,093	9,626	42.9	29.6	58.9	73.1	75.8
Black	5,152	1,594	1,941	929	467	41.2	33.2	70.3	76.1	60.7
Hispanic ⁴	2,444	708	878	472	263	30.1	21.0	52.0	69.9	74.7

¹ Includes workers with income under \$5,000, not shown separately. ² Includes other races, not shown separately.
³ Includes persons 65 years old and over, not shown separately. ⁴ Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-80, forthcoming report.

No. 581. ASSETS OF PRIVATE AND PUBLIC PENSION FUNDS, BY TYPE OF FUND: 1970 TO 1987

[In billions of dollars. As of and of year. Except for corporate equities, represents book value. Excludes Social Security trust funds, see table 577]

TYPE OF PENSION FUND	1970	1979	1985	1991	1996	1996	1994	1990	1995	1997
Total, all types	240.8	444.1	918.1	998.9	1,179.6	1,378.1	1,512.6	1,791.3	2,064.4	2,235.3
Private funds	153.0	287.4	941.6	896.5	610.1	954.9	1,026.1	1,237.8	1,415.4	1,537.3
Insured	41.0	72.3	172.0	190.6	242.9	286.4	331.6	400.0	476.9	551.7
Noninsured ¹	112.0	225.0	489.6	486.7	567.2	668.5	694.5	837.8	938.5	985.5
Corporate equities ²	67.9	110.3	230.6	222.6	266.2	320.6	317.5	412.3	481.4	489.5
U.S. Government securities	3.0	17.9	80.6	60.9	77.1	89.2	68.5	104.6	111.4	122.2
Corporate bonds ³	29.4	41.9	77.7	83.3	89.9	100.3	110.5	121.0	128.3	147.4
Other	11.7	54.5	110.7	113.9	134.1	158.4	170.0	189.8	217.4	226.4
Public funds	87.8	140.7	274.5	310.4	360.5	423.2	486.5	553.5	636.9	698.0
State and local government	60.3	104.8	156.1	224.2	262.5	311.2	356.6	404.7	469.4	565.5
Corporate bonds ³	36.1	61.8	34.8	103.8	107.3	106.6	118.1	129.0	139.8	189.2
Corporate equities	10.1	24.3	44.3	47.8	60.2	60.6	68.5	120.1	160.2	172.6
U.S. Government securities	6.6	7.8	40.0	51.6	71.2	86.2	111.2	123.5	144.2	162.7
Other	6.6	10.8	19.2	20.8	23.9	29.6	30.7	32.1	35.3	37.0
U.S. Government	27.5	41.8	76.4	89.2	97.9	112.0	130.0	148.8	189.8	189.5
Civil service ⁴	23.0	38.5	73.9	84.8	67.4	111.4	128.6	144.6	163.4	162.7
Railroad retirement	4.5	3.4	2.5	1.4	.5	.6	3.1	4.2	6.2	6.6

¹ Covers all pension funds of corporations, nonprofit organizations, unions, and multi-employer groups. Also includes deferred profit-sharing plans; excludes health, welfare, and bonus plans. ² Includes mutual fund shares. ³ Includes foreign bonds.
⁴ Includes U.S. Foreign Service Retirement and Disability Trust Fund.

Source: Board of Governors of the Federal Reserve System, *Flow of Funds Accounts, Assets and Liabilities Outstanding, 1967-83; Annual Statistical Digest*, and unpublished data.

No. 582. INDIVIDUAL RETIREMENT ACCOUNTS (IRA) PLANS—VALUE, BY TYPE OF HOLDER:
1981 TO 1987

[As of December 31. Estimated]

TYPE OF HOLDER	AMOUNT (bil. dol.)							PERCENT DISTRIBUTION		
	1981	1982	1985	1984	1985	1986	1987	1981	1986	1987
Total	36.1	82.4	91.3	132.1	199.7	277.1	333.8	100.0	100.0	100.0
Savings institutions	14.2	20.2	31.7	43.4	58.4	69.0	77.1	54.4	26.2	23.1
Commercial banks	5.8	13.6	28.6	37.2	51.5	67.0	77.0	22.2	25.8	23.1
Mutual funds	2.6	5.7	10.7	16.5	31.6	53.7	72.2	9.9	15.6	21.8
Self directed	(NA)	5.5	6.4	14.6	29.4	44.9	58.9	(NA)	14.7	17.6
Life insurance companies	3.3	5.8	8.0	12.6	16.9	22.0	28.0	12.6	8.5	7.8
Credit unions .....	.2	1.8	8.0	7.8	13.9	20.8	22.6	.8	7.0	6.9

NA Not available.
Source: Investment Company Institute, Washington, DC, *Mutual Fund Fact Book*, annual. (Copyright.)

No. 583. PUBLIC EMPLOYEE RETIREMENT SYSTEMS—BENEFICIARIES AND BENEFITS: 1970 TO 1986

[Number of beneficiaries as of end of year]

YEAR	Unit	Total	LEVEL OF GOVERNMENT				TYPE OF BENEFIT			
			Federal			State and local	Age and service	Disability	Survivor	
			Total ¹	Civil service	Armed Forces				Monthly	Lump-sum
Beneficiaries:										
1970	1,000	3,060	1,769	956	773	1,291	2,204	419	427	(X)
1975	1,000	4,428	2,490	1,372	1,073	1,948	3,243	549	636	(X)
1980	1,000	5,659	3,052	1,675	1,330	2,607	4,200	708	751	(X)
1984	1,000	6,693	3,419	1,910	1,455	3,274	5,127	730	636	(X)
1985	1,000	6,864	3,478	1,955	1,487	3,386	5,313	686	672	(X)
1986	1,000	7,107	3,588	2,008	1,517	3,519	5,485	692	911	(X)
Benefits:										
1970	MIL. dol.	9,355	6,075	2,820	3,133	3,280	7,210	1,312	645	199
1975	MIL. dol.	21,817	14,592	7,532	6,808	7,025	17,200	2,707	1,439	271
1980	MIL. dol.	41,090	28,042	15,065	12,478	13,018	32,416	5,371	2,896	377
1984	MIL. dol.	58,624	38,824	21,509	16,607	19,800	45,854	7,676	4,556	536
1985	MIL. dol.	64,659	40,998	22,840	17,416	23,800	52,600	6,693	4,769	680
1986	MIL. dol.	68,980	42,169	23,608	17,713	26,791	55,822	7,023	5,099	1,046

X Not applicable. ¹ Includes other Federal systems, not shown separately.

No. 584. PUBLIC EMPLOYEE RETIREMENT SYSTEMS—AVERAGE ANNUAL BENEFITS PER ANNUITANT IN CURRENT AND CONSTANT (1986) DOLLARS: 1970 TO 1986

YEAR	ALL GOVERNMENTS				FEDERAL				STATE AND LOCAL			
	Total	Age and service	Disability	Survivor	Total	Age and service	Disability	Survivor	Total	Age and service	Disability	Survivor
CURRENT DOLLARS												
1970	3,005	3,271	3,136	1,512	3,440	4,065	3,174	1,446	2,413	2,452	2,965	1,667
1975	4,821	5,304	4,931	2,283	5,875	6,873	5,254	2,556	3,478	3,690	3,867	1,719
1980	7,190	7,719	7,556	3,855	9,181	10,529	8,324	4,481	4,859	5,029	5,821	2,624
1984	8,759	8,944	10,515	5,450	11,355	12,820	10,844	6,003	6,048	5,744	9,767	4,091
1985	9,449	9,900	9,718	5,468	11,796	13,380	10,213	6,163	7,047	7,021	8,610	3,794
1986	9,703	10,159	10,150	5,564	11,753	13,448	10,613	6,166	7,613	7,484	9,160	4,680
CONSTANT (1986) DOLLARS ¹												
1970	8,006	8,715	8,355	4,025	9,165	10,630	8,457	3,853	6,429	6,533	7,900	4,441
1975	9,308	10,241	9,520	4,859	11,343	13,270	10,144	4,939	8,715	7,124	7,406	3,319
1980	9,480	10,168	10,015	5,069	12,118	13,867	10,987	5,914	8,413	8,639	7,683	3,463
1984	9,261	9,487	11,118	5,783	12,006	13,555	11,466	6,347	6,395	6,073	10,327	4,326
1985	9,651	10,112	9,926	5,585	12,041	13,697	10,432	6,295	7,198	7,172	8,795	3,875
1986	9,703	10,159	10,150	5,564	11,753	13,448	10,613	6,166	7,613	7,484	9,190	4,050

¹ Constant dollar figures are based on implicit price deflators for personal consumption expenditures supplied by U.S. Bureau of Economic Analysis.

Source of tables 583 and 584: U.S. Social Security Administration, *Social Security Bulletin*, May 1986; and unpublished data.

No. 585. FEDERAL CIVIL SERVICE RETIREMENT: 1970 TO 1987

[As of end of fiscal year or for fiscal year ending in year shown; see text, section 9. See also *Historical Statistics, Colonial Times to 1970*, series H 262-270]

ITEM	Unit	1970	1975	1980	1986	1989	1984	1989	1989	1987
Employees covered	1,000	2,650	2,670	2,720	2,700	2,680	2,680	2,750	2,800	2,800
Annuitants, total	1,000	959	1,372	1,675	1,826	1,870	1,910	1,955	2,008	2,032
Age and service	1,000	477	732	905	1,010	1,045	1,092	1,484	1,482	1,504
Disability	1,000	165	258	343	348	343	338			
Survivors	1,000	296	382	427	470	492	490	501	516	528
Receipts, total ¹	Mill. dol.	4,683	11,377	24,399	32,353	34,772	39,734	40,790	43,216	43,908
Employee contributions	Mill. dol.	1,740	2,554	3,686	4,171	4,389	4,608	4,679	4,714	4,641
Federal government contributions	Mill. dol.	1,952	6,707	15,562	19,443	20,615	20,848	22,301	22,980	23,144
Disbursements, total ²	Mill. dol.	2,752	7,207	14,977	19,655	20,899	21,951	23,203	24,694	25,772
Age and service annuitants ³	Mill. dol.	2,129	6,052	12,636	16,406	17,602	18,403	19,414	20,112	20,845
Survivors	Mill. dol.	369	908	1,912	2,533	2,783	2,943	3,158	3,304	3,485
Average monthly benefit:										
Age and service	Dollars	362	620	692	1,117	1,150	1,149	1,199	1,197	1,213
Disability	Dollars	221	406	723	820	651	661	661	661	603
Survivors	Dollars	116	209	362	463	456	501	528	536	552
Cash and security holdings	Bill. dol.	22.4	36.4	73.7	96.6	110.5	124.7	142.3	160.6	178.9

¹ Includes interest on investments. ² Includes refunds, death claims, and administration. ³ Includes disability annuitants.

Source: U.S. Office of Personnel Management, *Compensation Report*, annual.

NO. 586. STATE AND LOCAL GOVERNMENT RETIREMENT SYSTEMS—FINANCES: 1970 TO 1987

[In millions of dollars. For fiscal years closed during the 12 months ending June 30]

YEAR AND LEVEL OF GOVERNMENT	RECEIPTS					BENEFITS AND WITHDRAWALS			Cash and security holdings
	Total	Employee contributions	Government contributions		Earnings on investments	Total	Benefits	Withdrawals	
			State	Local					
1970: All systems	9,848	2,788	2,046	2,564	2,480	3,838	3,087	801	54,918
State-administered	7,184	2,149	1,878	1,237	1,881	2,382	1,913	489	38,886
Locally administered	2,664	639	171	1,318	599	1,256	1,124	132	14,852
1980: All systems	27,313	8,498	7,581	9,851	13,315	14,008	12,207	1,801	165,226
State-administered	25,803	8,285	7,399	9,811	10,309	10,257	8,808	1,449	144,882
Locally administered	1,510	1,180	181	4,340	3,006	3,752	3,399	353	40,544
1985: All systems	71,731	9,478	12,227	15,172	34,852	24,184	21,908	2,186	378,932
State-administered	55,313	7,813	11,878	8,944	27,480	17,867	16,189	1,798	298,892
Locally administered	16,418	1,667	251	6,228	7,372	6,177	5,810	387	77,240
1987: All systems	88,276	11,241	13,502	16,854	57,881	29,614	27,386	2,228	511,808
State-administered	77,804	9,428	13,199	10,031	44,947	22,169	20,537	1,632	407,147
Locally administered	21,674	1,814	303	6,823	12,734	7,425	6,849	576	104,661

Source: U.S. Bureau of the Census, *Finances of Employee-Retirement Systems of State and Local Governments*, series GF, No. 2, annual.

NO. 587. STATE UNEMPLOYMENT INSURANCE—SUMMARY: 1970 TO 1987

[See footnote, table 586]

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Insured unemployment, avg. weekly	1,000	1,806	3,988	3,360	3,047	4,061	3,396	2,476	2,811	2,641	2,332
Percent of covered employment	Percent	3.4	6.0	3.9	3.5	4.6	3.9	2.8	2.9	2.8	2.4
Unemployment benefits, avg. weekly	Dollars	50	70	99	107	119	124	123	127	135	140
Percent of weekly wage	Percent	35.6	37.2	37.5	35.8	37.2	37.8	35.8	35.3	35.8	(NA)
Weeks compensated	Million	78.9	175.3	149.0	135.9	185.3	155.5	111.6	119.3	121.4	105.4
Beneficiaries, first payments	1,000	8,402	11,160	9,992	9,401	11,848	8,907	7,743	8,350	8,361	7,281
Average duration of benefits ¹	Weeks	12.3	15.7	14.9	14.5	15.9	17.5	14.4	14.3	14.5	14.8
Claimants exhausting benefits	1,000	1,295	4,196	3,072	2,989	4,175	4,180	2,600	2,575	2,688	2,410
Percent of first payment ¹	Percent	24.4	37.8	33.2	32.4	38.5	38.4	34.1	31.3	32.1	33.1
Contributions collected ²	Bil. dol.	2.5	5.2	11.4	11.7	12.2	14.6	16.8	19.3	18.1	17.8
Benefits paid	Bil. dol.	3.8	11.8	13.8	13.3	20.7	17.6	12.6	14.0	15.4	14.2
Funds available for benefits ³	Bil. dol.	11.9	4.5	11.4	11.6	7.5	7.3	11.8	16.0	19.6	25.2
Average employer contribution rate ⁴	Percent	1.3	1.9	2.5	2.4	2.5	2.8	3.2	3.1	2.7	2.5

NA Not available. ¹ Insured unemployment as percent of average covered employment in preceding year. ² Weeks compensated divided by first payment. ³ Based on first payments for 12-month period ending June 30. ⁴ Contributions from employers; also employees in States which tax workers. ⁵ End of year. Sum of balances in State clearing accounts, benefit-payment accounts, and State accounts in Federal unemployment trust funds. ⁶ As percent of taxable wages.

NO. 588. STATE UNEMPLOYMENT INSURANCE, BY STATE AND OTHER AREAS: 1987

[Includes unemployment compensation for State and local government employees where covered by State law. For State data on insured unemployment, see table 603. See also *Historical Statistics, Colonial Times to 1970*, series H 305-317]

STATE	Avg. weekly unemployment benefits (dol.)	Beneficiaries, first payments (1,000)	Benefits paid (mil. dol.)	STATE	Avg. weekly unemployment benefits (dol.)	Beneficiaries, first payments (1,000)	Benefits paid (mil. dol.)	STATE	Avg. weekly unemployment benefits (dol.)	Beneficiaries, first payments (1,000)	Benefits paid (mil. dol.)
Total	140	7,281	14,343	KY	108	101	141	OH	148	302	652
AL	101	149	186	LA	142	190	382	OK	141	88	149
AK	189	45	117	ME	131	38	51	OR	143	113	222
AZ	120	72	122	MD	161	96	183	PA	186	418	886
AR	123	88	131	MA	174	178	422	RI	140	41	88
CA	121	988	1,841	MI	186	440	944	SC	104	82	88
CO	159	87	212	MN	189	122	278	SD	112	19	11
CT	185	83	182	MS	109	76	100	TN	98	143	167
DE	138	17	26	MO	114	183	225	TX	182	428	1,182
DC	177	21	38	MT	181	26	45	UT	188	42	98
FL	128	158	288	NE	112	37	80	VT	129	18	24
GA	120	186	238	NV	141	37	86	VA	123	118	138
HI	165	34	47	NH	122	19	12	WA	180	188	357
ID	136	41	67	NJ	198	394	891	WV	145	89	128
IL	147	321	830	NM	122	34	72	WI	144	180	323
IN	106	129	182	NY	148	478	1,108	WY	184	18	48
IA	143	87	131	NC	134	188	302	PR	72	70	81
KS	188	73	188	ND	144	18	36	VI	107	1	2

Source of tables 587 and 588: U.S. Employment and Training Administration, *Unemployment Insurance Statistics*, and *Annual Report of the Secretary of Labor*.

NO. 588. WORKERS' COMPENSATION PAYMENTS: 1970 TO 1986

(In millions of dollars, except as indicated. See footnote, table 580. See also *Historical Statistics, Colonial Times to 1957*, series H 332-345)

Item	1970	1975	1976	1979	1980	1981	1982	1983	1984	1985	1986
Workers covered * (mil.)	59	67	76	79	79	76	77	78	82	84	86
Premium amounts paid	4,864	6,872	17,389	26,943	22,398	23,814	22,784	23,848	26,122	29,328	34,126
Private carriers	3,576	6,344	12,155	14,330	15,744	16,164	15,389	15,394	18,632	19,500	22,771
State funds	688	1,278	2,764	3,009	3,008	2,800	2,640	2,685	2,975	3,516	4,454
Federal programs †	152	435	672	1,017	1,142	1,174	1,509	1,458	1,568	1,721	1,771
Self-insurers	485	916	1,809	1,987	2,363	2,776	3,217	3,511	3,946	4,582	5,129
Annual benefits paid	3,681	4,888	8,798	12,827	13,818	15,864	16,487	17,576	19,886	22,472	26,819
By private carriers ‡	1,843	3,422	5,258	6,157	7,029	7,876	8,647	9,265	10,610	12,341	13,840
From State funds §	755	2,324	3,043	4,022	4,330	4,585	4,788	5,081	5,376	5,874	6,408
Employers' self-insurance ¶	432	952	1,497	1,648	2,259	2,653	2,993	3,249	3,700	4,257	4,771
Type of benefit:											
Medical/hospitalization	1,080	2,030	2,980	3,520	3,847	4,431	5,058	5,691	6,424	7,361	8,323
Compensation payments	1,981	4,588	6,816	8,507	9,671	10,623	11,348	11,894	13,251	15,080	18,688
Disability	1,751	3,843	5,851	7,232	8,359	9,224	9,862	10,385	11,886	13,379	14,935
Survivor	230	725	965	1,275	1,312	1,389	1,458	1,509	1,585	1,712	1,789
Percent of covered payroll:											
Workers' compensation costs ††	1.11	1.52	1.86	1.85	1.86	1.85	1.75	1.67	1.64	1.81	1.98
Benefits †††	.66	.83	.94	1.01	1.07	1.08	1.16	1.17	1.21	1.31	1.39

* Estimated per month. † Includes Federal employer compensation program and that portion of Federal black lung benefits program financed from employer contributions. ‡ Net cash and medical benefits paid under standard workers' compensation policies. § Net cash and medical benefits paid by competitive and exclusive State funds and by Federal workers' compensation programs, including black lung benefit program. ¶ Cash and medical benefits paid by self-insurers, plus value of medical benefits paid by employers carrying workers' compensation policies that exclude standard medical coverage. †† Premiums written by private carriers and State funds, and benefits paid by self-insurers increased by 5-10 percent to allow for administrative costs. Also includes benefits paid and administrative costs of Federal system for government employees. ††† Excludes programs financed from general revenue—black lung benefits and supplemental pensions in some States.

Source: U.S. Social Security Administration, *Annual Statistical Supplement to the Social Security Bulletin*.

NO. 589. WORKERS' COMPENSATION PAYMENTS, BY STATE: 1980 TO 1986

(In millions of dollars. Calendar-year data, except fiscal-year data for Federal civilian and other programs and for a few States with State funds. Payments represent cash and medical benefits and include insurance losses paid by private insurance carriers (compiled from the *Spectator (Insurance by State of Casualty Lines)*, from reports of State insurance commissions, and from A. M. Best Co.); net disbursements of State funds (from the *Spectator*, from *Argus Casualty and Surety Chart*, and from State reports), estimated for some States; and self-insurance payments, estimated from available State data. Includes benefit payments under Longshoremen's and Harbor Workers' Compensation Act and Defense Base Compensation Act for States in which such payments are made)

STATE	1980	1983	1984	1985	1986	STATE	1980	1983	1984	1985	1986
Total	12,882	17,575	19,886	22,472	26,819	Nevada	68	94	106	123	148
Alabama	112	147	165	203	244	New Hampshire	46	64	77	91	108
Alaska	60	77	105	108	129	New Jersey	316	368	444	501	547
Arizona	120	171	185	198	206	New Mexico	54	92	114	140	148
Arkansas	63	116	134	142	154	New York	637	755	858	985	1,088
California	1,628	2,234	2,655	3,243	3,745	North Carolina	131	173	201	242	263
Colorado	115	210	251	284	355	North Dakota	17	23	29	33	38
Connecticut	132	232	286	306	347	Ohio	776	1,085	1,258	1,441	1,637
Delaware	21	30	38	41	46	Oklahoma	134	226	266	291	289
District of Columbia	70	78	74	74	76	Oregon	275	313	348	386	452
Florida	362	645	685	815	928	Pennsylvania	572	781	888	988	1,133
Georgia	185	256	298	380	427	Rhode Island	55	79	85	87	113
Hawaii	60	105	122	135	135	South Carolina	79	107	126	158	171
Idaho	38	46	56	66	67	South Dakota	13	18	21	26	29
Illinois	665	740	825	912	993	Tennessee	129	148	175	204	234
Indiana	101	129	134	152	174	Texas	701	1,084	1,293	1,584	1,833
Iowa	99	110	120	121	131	Utah	39	51	65	80	92
Kansas	85	114	126	142	157	Vermont	15	24	25	30	35
Kentucky	161	194	225	245	245	Virginia	174	221	243	288	306
Louisiana	201	415	431	486	504	Washington	324	532	627	785	819
Maine	81	145	170	211	253	West Virginia	178	222	248	286	322
Maryland	187	255	272	306	326	Wisconsin	172	214	238	267	327
Massachusetts	286	451	510	608	638	Wyoming	14	48	47	51	51
Michigan	626	685	723	782	829	Federal programs:					
Minnesota	258	348	374	431	438	Civilian					
Mississippi	60	73	89	98	122	employees	776	819	1,004	1,055	1,116
Missouri	124	172	195	237	270	Black lung					
Montana	41	68	79	102	123	benefits †	1,739	1,891	1,841	1,582	1,582
Nebraska	43	57	61	68	76	Other ‡	8	6	8	7	9

† Includes payments by Social Security Administration and by Department of Labor. ‡ Privately payments made to dependents of reservists who died while on active duty in the Armed Forces.

Source: U.S. Social Security Administration, *Social Security Bulletin*, January 1986 and unpublished data.

NO. 591. BLACK LUNG BENEFIT PROGRAM—BENEFICIARIES AND PAYMENTS: 1975 TO 1988

[In thousands, except as indicated. Benefits payable to miners disabled because of pneumoconiosis and to their dependents and survivors as a result of Federal Coal Mine Health and Safety Act of 1969 and subsequent amendments and revisions. Claims by miners or their survivors are handled by the Social Security Administration (SSA) or the Department of Labor, depending upon the date the claim was filed. Claims filed by a miner by June 30, 1973, and those filed by survivors by December 31, 1973 were processed by SSA. Benefits under the program as administered by SSA are paid out of Federal general tax revenues. Claims filed by a miner between July 1 and December 31, 1973 and all claims filed after December 1973 were processed by Department of Labor and are paid by either a responsible mine operator or the Department of Labor]

TYPE OF BENEFICIARY	SOCIAL SECURITY ADMINISTRATION						DEPARTMENT OF LABOR			
	1975	1982	1986	1987	1988		1975	1986	1987	1988
Beneficiaries, total ¹	482	369	295	278	258	295	NA	189	180	189
Miners	196	120	79	70	64	63	NA	63	61	60
Widows	139	147	139	139	132	125	NA	27	38	39
Dependents ²	177	139	79	70	64	68	NA	89	61	67
Payments (mil. dol.)	309	1,080	1,085	971	940	900	10	707	889	874

NA Not available. ¹As of and of year. ²Dependent wife or child or surviving child, parent, brother, or sister.

Source: U.S. Social Security Administration, *Social Security Bulletin*, monthly; and U.S. Department of Labor, Employment Standards Administration, *Black Lung Benefits Act, Annual Report*.

NO. 592. PERSONS WITH WORK DISABILITY, BY SELECTED CHARACTERISTICS: 1988

[In thousands, except percent. As of March. Covers civilian noninstitutional population and members of Armed Forces living off post or with their families on post. Persons are classified as having a work disability if they (1) have a health problem or disability which prevents them from working or which limits the kind or amount of work they can do; (2) have a service-connected disability or ever retired or left a job for health reasons; (3) did not work in survey reference week or previous year because of long-term illness or disability; or (4) are under age 65, and are covered by Medicare or receive Supplemental Security Income. Based on Current Population Survey; see text, section 1 and Appendix III]

AGE AND PARTICIPATION STATUS IN ASSISTANCE PROGRAMS	Total ¹	Male	Female	White	Black	Hispanic ²
Persons with work disability	13,489	6,786	6,714	16,544	2,612	1,911
16-24 years old	1,298	674	610	999	291	125
25-34 years old	2,414	1,349	1,183	1,874	484	189
35-44 years old	2,495	1,309	1,147	1,957	435	217
45-54 years old	2,443	1,189	1,292	1,852	502	109
55-64 years old	4,826	2,226	2,640	3,636	622	290
Percent work disabled of total population	6.9	6.7	6.4	7.9	19.7	6.2
16-24 years old	3.5	4.1	3.5	3.5	6.1	3.7
25-34 years old	5.5	6.9	5.4	5.2	8.6	5.0
35-44 years old	7.1	7.7	6.3	6.5	11.7	6.9
45-54 years old	10.9	10.9	10.2	9.1	20.1	12.6
55-64 years old	22.9	22.4	22.2	20.4	39.6	25.4
Percent of work disabled—						
Receiving Social Security Income	29.5	31.9	27.2	29.7	30.6	23.4
Receiving food stamps	18.8	16.7	22.9	14.4	37.0	31.5
Covered by Medicaid	21.6	18.1	25.2	17.8	37.0	32.8
Residing in public housing	4.6	3.9	5.0	2.5	12.7	7.9
Residing in subsidized housing	2.8	1.9	3.9	2.5	4.5	3.9

¹Includes other races not shown separately. ²Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, unpublished data.

NO. 593. VOCATIONAL REHABILITATION—SUMMARY: 1970 TO 1987

[For fiscal years ending in year shown; see text, section 9. Includes Puerto Rico, Guam, Virgin Islands, American Samoa, Northern Mariana Islands and Trust Territory of the Pacific Islands. Vocational rehabilitation of the disabled defined as restoration, preservation, or development of the ability to function in productive activity. Rehabilitation services provided by State vocational rehabilitation agencies with matching State and Federal funds include medical restoration, training, counseling, guidance, and placement services. See also *Historical Statistics, Colonial Times to 1970*, series H 398-397]

ITEM	Unit	1970	1975	1980	1982	1983	1984	1985	1986	1987
Federal and State expenditures ¹	Mil. dol.	808	867	1,076	1,187	1,254	1,305	1,452	1,505	1,649
Federal expenditures	Mil. dol.	482	573	817	868	937	1,038	1,100	1,144	1,276
Applicants processed for program eligibility	1,000	638	697	717	984	902	594	594	594	594
Percent accepted into program	Percent	64	64	58	58	58	59	60	58	58
Total persons rehabilitated ²	1,000	367.0	324.0	277.1	225.9	216.2	225.8	227.7	223.4	218.8
Rehabilitation rate ³	Percent	77	70	64	61	62	63	64	64	63
Severely disabled persons rehabilitated ^{3,4}	1,000	NA	115.7	142.5	129.8	124.2	132.7	135.2	135.3	136.4
Rehabilitation rate ⁴	Percent	NA	NA	61	59	59	61	62	62	62
Percent of total persons rehabilitated	Percent	NA	36	51	57	57	58	59	61	62
Persons served total ⁵	1,000	576	1,244	1,085	959	939	936	932	934	917
Persons served, severely disabled ^{5,6}	1,000	NA	NA	808	572	582	595	581	580	584
Percent of total persons served	Percent	NA	NA	55	60	60	60	62	63	64

NA Not available. ¹Includes expenditures only under the basic support provisions of the Rehabilitation Act. ²Estimates based on amounts appropriated. ³Persons successfully placed into gainful employment. ⁴Persons rehabilitated as a percent of all active case closures (whether rehabilitated or not). ⁵Severely disabled individuals fall into any of the following three categories: (a) clients with specified major disabling conditions such as blindness and deafness; (b) clients who at any time in the vocational rehabilitation process had been Social Security disability beneficiaries or recipients of Supplemental Security Income; and (c) other individuals with substantial loss in conducting certain specified activities. ⁶Includes active cases accepted for rehabilitation services during year plus active cases on hand at beginning of year.

Source: U.S. Dept. of Education, Rehabilitation Services Administration, *Caseload Statistics of State Vocational Rehabilitation Agencies in Fiscal Years*, and *State Vocational Rehabilitation Agency Program Data in Fiscal Years*, both annual.

NO. 804. MEDICARE PROGRAM—ENROLLMENT AND PAYMENTS: 1970 TO 1987

[Enrollment as of July 1; payments for calendar year. Benefit payments represent total fund outlays. Includes Puerto Rico, outlying areas, and enrollees in foreign countries. See text, section 12 for explanation of coverage.]

TYPE OF INSURANCE	Unit	1970	1975	1979	1982	1981	1982	1985	1984	1986	1986	1987
HOSPITAL AND/OR MEDICAL INSURANCE												
Enrollment, total	1,000	23,481	24,389	27,399	28,478	28,019	28,494	30,086	30,455	31,083	31,700	32,411
Benefit payments	ML dol	7,809	15,388	28,321	35,888	43,455	51,888	57,443	62,918	70,527	75,887	88,316
HOSPITAL INSURANCE												
Enrollment, total	1,000	23,391	24,846	27,488	28,067	28,580	28,889	29,387	29,380	29,089	31,216	31,853
Persons 65 and over	1,000	23,391	22,472	24,548	25,104	25,591	25,115	25,679	27,112	27,083	28,257	28,828
Disabled persons ¹	1,000	00	2,168	2,911	2,883	2,859	2,854	2,916	2,954	2,937	2,899	3,031
Benefit payments	ML dol	5,124	11,315	20,629	25,094	30,342	35,631	39,337	43,257	47,580	49,700	49,488
MEDICAL INSURANCE												
Enrollment, total	1,000	19,594	23,904	26,757	27,400	27,941	28,412	28,975	28,415	29,089	30,580	31,170
Persons 65 and over	1,000	19,594	21,945	24,088	24,088	25,162	25,707	26,282	26,764	27,311	27,932	28,382
Disabled persons ¹	1,000	00	1,886	2,809	2,719	2,739	2,706	2,892	2,851	2,678	2,727	2,788
Benefit payments	ML dol	1,975	4,273	8,708	10,635	13,113	15,455	18,108	18,661	22,847	28,239	30,820

X Not applicable. ¹ Age under 65; includes persons enrolled because of end-stage renal disease (ESRD) only.

Source: U.S. Health Care Financing Administration. Published in U.S. Social Security Administration, *Annual Statistical Supplement to the Social Security Bulletin*.

NO. 805. MEDICARE—PERSONS SERVED AND REIMBURSEMENTS: 1975 TO 1986

[Persons served are enrollees who use covered services, incurred expenses greater than the applicable deductible amounts and for whom Medicare paid benefits. Reimbursements are amounts paid to providers for covered services. Excluded are retrospective adjustments resulting from end of fiscal year cost settlements and certain lump-sum interim payments. Also excluded are beneficiaries for third party payor; liabilities for applicable deductibles, coinsurance amounts, and charges for non-covered services. Includes data for enrollees living in outlying territories and foreign countries.]

TYPE OF COVERAGE AND SERVICE	Unit	PERSONS 65 YEARS OLD AND OVER				DISABLED PERSONS ¹			
		1975	1980	1985	1986	1975	1980	1985	1986
Persons served, total ²	1,000	12,882	18,271	26,547	21,886	975	1,789	1,944	2,816
Hospital insurance ³	1,000	4,983	6,034	6,059	6,018	479	728	682	888
Inpatient hospital	1,000	4,913	5,951	5,714	5,687	472	721	636	846
Skilled-nursing services	1,000	280	248	304	294	8	9	10	10
Home health services ³	1,000	329	675	1,446	1,489	22	51	101	102
Supplementary medical insurance ³	1,000	11,762	16,089	20,189	20,919	524	1,723	1,916	1,888
Physicians' and other medical services	1,000	11,288	15,627	19,580	20,318	485	1,631	1,820	1,888
Outpatient services	1,000	3,788	6,028	8,889	11,011	389	909	1,086	1,211
Home health services ³	1,000	181	302	27	30	13	25	-	-
Persons served per 1,000 enrollees, total ²	Rate	528	828	722	722	488	864	888	881
Hospital insurance ³	Rate	221	240	219	213	219	246	229	228
Inpatient hospital	Rate	219	237	206	202	218	243	218	218
Skilled-nursing services	Rate	12	10	11	10	4	3	4	4
Home health services ³	Rate	15	27	52	52	10	17	26	28
Supplementary medical insurance ³	Rate	528	852	729	751	471	834	716	728
Physicians' and other medical services	Rate	519	833	717	729	442	800	680	688
Outpatient services	Rate	172	289	382	385	204	334	409	444
Home health services ³	Rate	7	12	1	1	7	9	-	-
Reimbursements, total	ML dol	12,889	29,134	58,166	60,488	1,889	4,478	7,486	8,123
Hospital insurance	ML dol	8,209	20,353	37,380	38,285	987	2,705	4,785	5,103
Inpatient hospital	ML dol	8,040	19,563	35,313	37,181	988	2,714	4,839	4,946
Skilled-nursing services	ML dol	233	331	464	474	9	13	17	18
Home health services ³	ML dol	136	440	1,583	1,630	10	36	130	135
Supplementary medical insurance	ML dol	3,481	8,781	18,839	21,174	522	1,713	2,708	3,020
Physicians' and other medical services	ML dol	3,060	7,361	15,309	16,887	295	987	1,712	1,871
Outpatient services	ML dol	374	1,261	3,488	4,246	221	701	987	1,146
Home health services ³	ML dol	58	198	31	38	5	16	-	-
Reimbursements, per person served, total	Dollars	1,885	1,781	2,782	2,879	1,848	2,444	3,855	4,883
Hospital insurance	Dollars	1,855	3,378	6,187	6,528	2,077	3,788	7,224	7,823
Inpatient hospital	Dollars	1,799	3,291	6,181	6,528	2,051	3,785	7,295	7,678
Skilled-nursing services	Dollars	886	1,336	1,525	1,613	1,049	1,571	1,681	1,872
Home health services ³	Dollars	413	652	1,083	1,110	479	733	1,288	1,318
Supplementary medical insurance	Dollars	288	545	933	1,012	585	984	1,414	1,518
Physicians' and other medical services	Dollars	268	471	781	831	341	811	941	981
Outpatient services	Dollars	98	190	354	388	554	771	908	948
Home health services ³	Dollars	347	528	1,122	1,204	420	619	1,388	2,188

- Represents or rounds to zero. ¹ Age under 65; includes persons enrolled because of end-stage renal disease (ESRD) only. ² Persons are counted once for each type of covered service used, but are not double counted in totals. ³ Beginning 1982, a change in legislation resulted in virtually all home health services being paid under hospital insurance.

Source: U.S. Health Care Financing Administration, *Medicare Program Statistics*, annual; and unpublished data.

NO. 596. MEDICARE—HOSPITAL UTILIZATION AND HOSPITAL AND PHYSICIAN CHARGES: 1970 TO 1986

[Data reflect data expense was incurred based on bills submitted for payment and recorded in Health Care Financing Administration central records through March 1983. Includes Puerto Rico, Virgin Islands, Guam, other outlying areas and enrollees in foreign countries]

ITEM	Unit	PERSONS 65 YEARS OLD AND OVER					DISABLED PERSONS ¹			
		1975	1976	1985	1986	1989	1975	1986	1983	1988
Hospital inpatient care:										
Admissions	1,000	6,141	7,407	8,288	8,288	9,528	822	1,271	1,329	1,291
Per 1,000 enrollees ²	Rate	382	390	288	300	337	379	429	457	436
Covered days of care	Millions	78	84	88	80	79	9	13	11	11
Per 1,000 enrollees ²	Rate	3,902	3,731	3,639	2,880	2,796	4,138	4,548	3,784	3,717
Per admission	Days	12.9	11.3	10.6	8.1	8.3	11.1	10.6	8.3	6.5
Hospital covered charges	ML dol.	5,908	12,089	25,815	46,247	53,438	1,371	4,087	6,579	7,206
Per covered day	Dollars	75	144	283	617	674	151	303	605	666
Percent of covered charges reimbursed	Percent	78.0	75.9	70.0	65.6	60.8	73.6	66.5	64.5	58.0
Physician allowed charges	ML dol.	2,310	4,085	9,011	17,600	19,131	367	1,112	1,822	1,840
Percent reimbursed	Percent	71.8	74.5	78.0	78.0	79.1	76.1	76.7	78.9	79.7

¹ Disabled persons under age 65 and persons enrolled solely because of end-stage renal disease (ESRD). ² Based on Hospital Insurance (HI) enrollment as of July 1.

Source: U.S. Health Care Financing Administration, unpublished data.

NO. 597. MEDICARE AND MEDICAID—SUMMARY, BY STATE AND OTHER AREAS: 1980 AND 1987

[1987 data are preliminary estimates. For composition of regions, see fig. 1, inside front cover]

REGION, DIVISION, AND STATE	MEDICARE			MEDICAID ²			DIVISION AND STATE OR OTHER AREA	MEDICARE			MEDICAID ²		
	Enroll- ment, ¹ 1987 (1,000)	Payments ³ (mil. dol.)		Recipi- ents, ⁴ 1987 (1,000)	Payments (mil. dol.)			Enroll- ment, ¹ 1987 (1,000)	Payments ³ (mil. dol.)		Recipi- ents, ⁴ 1987 (1,000)	Payments (mil. dol.)	
		1988	1987		1988	1987			1988	1987		1988	1987
Total	32,411	36,898	30,516	23,183	23,311	45,948	So. Atl.—Cont.						
U.S. ⁵	31,738	36,541	30,080	21,488	23,213	44,934	DC	79	148	301	97	188	358
Regions							VA	870	814	1,230	318	380	682
Northeast	7,228	9,071	19,304	5,137	8,138	15,930	WY	297	280	698	215	104	244
Midwest	8,082	9,507	20,571	5,282	5,837	10,789	NC	821	842	1,448	385	401	625
South	10,752	10,412	24,540	6,175	5,558	11,094	SC	406	302	798	297	258	422
West	5,655	6,529	15,612	4,982	3,878	7,131	GA	895	601	1,528	506	462	901
N. Eng.	1,825	2,238	4,579	1,888	1,781	3,437	FL	2,135	2,276	5,720	640	382	1,178
ME	175	177	354	123	131	303	E. So. Cent.	3,079	1,878	4,878	1,488	1,160	2,148
NH	130	120	296	33	72	142	KY	510	437	948	411	298	608
VT	71	68	136	80	80	103	TN	854	584	1,367	443	380	811
MA	644	1,179	2,288	641	1,008	1,844	AL	553	523	1,215	298	263	388
RI	164	186	423	102	180	296	MS	353	324	757	342	211	383
CT	451	505	1,115	217	350	749	W. So. Cent.	3,002	2,879	6,868	1,912	1,898	3,868
Mid. Atl.	5,404	6,833	14,725	4,871	6,367	12,489	AR	377	333	785	212	235	410
NY	2,480	3,409	6,558	2,306	4,543	8,841	LA	804	487	1,283	464	415	834
NJ	1,056	1,198	2,854	891	798	1,585	OK	432	443	848	280	265	502
PA	1,879	2,228	5,513	1,102	1,068	2,077	TX	1,889	1,736	4,071	988	981	1,767
E. No. Cent.	5,831	6,720	14,842	4,011	4,114	7,879	W.	1,478	1,304	3,216	627	888	1,886
OH	1,487	1,606	3,858	1,132	809	2,377	MT	110	98	187	58	62	122
IN	725	719	1,567	301	354	834	ID	123	97	226	40	52	89
IL	1,484	2,046	4,369	1,042	1,182	1,745	WY	47	44	83	27	14	45
MH	1,171	1,520	3,548	1,125	1,072	1,823	CO	324	315	741	188	182	409
WI	885	728	1,513	411	657	1,004	NM	162	137	335	97	70	189
W. No. Cent.	2,580	2,787	5,929	1,371	1,823	2,916	AZ	445	383	1,083	(x)	(x)	(x)
MN	585	594	1,270	337	580	1,087	UT	145	110	228	62	80	152
IA	445	453	911	232	230	432	NV	114	119	301	34	45	88
MO	754	888	2,048	389	295	619	Pac.	4,188	6,238	12,387	4,386	3,373	6,045
ND	98	109	225	42	47	105	WA	588	507	1,273	382	328	758
SD	107	88	202	40	55	118	OR	394	385	856	168	178	254
NE	232	234	440	107	109	216	CA	3,090	4,219	9,968	3,589	2,728	4,816
KS	352	413	834	144	197	282	AK	20	18	48	28	28	77
So. Atl.	5,879	6,556	13,308	2,779	2,812	5,448	HI	113	86	294	68	108	138
DE	81	87	201	37	45	90	PR	407	124	228	1,083	97	180
MD	508	622	1,385	312	322	785	Outlying areas	11	4	9	14	12	14
							Foreign	265	9	21	(x)	(x)	(x)

X Not applicable. ¹ Hospital and/or medical insurance enrollment as of July 1. ² Payments are for calendar year and represent total disbursements from Federal hospital and supplementary medical insurance trust funds. Estimates of distribution by State based on interim reimbursements. ³ For fiscal year ending Sept. 30. ⁴ Persons receiving Medicaid at any time during year. ⁵ Includes data for enrollees with residence unknown. ⁶ Virgin Islands only.

Source: U.S. Health Care Financing Administration, Medicare Program Statistics, Selected State Data, 1979-1982, May 1984 and unpublished data.

NO. 593. MEDICAID—SELECTED CHARACTERISTICS OF PERSONS COVERED: 1980 TO 1986

(In thousands, except percent. Represents number of persons as of March of following year who were enrolled at any time in year shown. Person did not have to receive medical care paid for by Medicaid in order to be counted. See headnote, table 589)

POVERTY STATUS	1980, total	1984, total	1986, total	1986							
				Total ¹	White	Black	Hispanic ²	Under 15 years old	15- 44 years old	45- 64 years old	65 years and over
Persons covered, total.....	12,682	19,346	19,394	19,739	12,680	6,300	2,633	7,384	7,388	1,913	2,742
Below poverty level.....	11,113	13,207	12,882	12,805	7,035	4,843	2,029	5,751	4,952	1,048	1,053
Above poverty level.....	7,554	6,141	6,512	6,934	5,054	1,557	604	1,633	2,746	865	1,689
Percent of total population.....	8.4	8.3	8.1	8.3	8.3	21.5	16.5	11.1	6.8	4.3	5.5
Below poverty level.....	38.1	40.4	38.7	41.0	35.9	53.0	42.9	53.4	37.8	28.3	31.3
Above poverty level.....	4.0	3.1	3.2	3.3	2.8	7.8	6.5	4.0	2.7	2.1	6.9

¹ Includes other races not shown separately. ² Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 155, and earlier and forthcoming reports.

NO. 599. MEDICAL ASSISTANCE (MEDICAID)—RECIPIENTS AND PAYMENTS, BY BASIS OF ELIGIBILITY AND TYPE OF SERVICE: 1975 TO 1987

(For fiscal year ending in year shown; see text, section 9. Includes Puerto Rico and outlying areas. Excludes Arizona, which has no Title XIX (Medicaid) program. Medical vendor payments are those made directly to suppliers of medical care)

BASIS OF ELIGIBILITY AND TYPE OF SERVICE	RECIPIENTS (1,000)					PAYMENTS (mil. dol.)				
	1975	1980	1985	1986	1987	1975	1980	1985	1986	1987
Total ¹	22,007	21,805	21,814	22,515	23,183	12,242	23,311	37,808	41,086	45,898
Age 65 and over.....	3,515	3,440	3,081	3,140	3,260	4,358	6,739	14,006	15,097	16,133
Blindness.....	109	92	80	82	85	83	124	248	277	309
Disabled ²	2,355	2,819	2,937	3,100	3,300	3,052	7,497	13,293	14,836	16,450
AFDC ³ program.....	14,127	14,210	15,275	15,676	15,848	4,246	6,354	9,160	10,015	11,139
Other.....	1,800	1,499	1,214	1,362	1,412	484	595	798	980	1,070
Inpatient services in—										
General hospital.....	3,432	3,980	3,434	3,544	3,783	3,374	8,412	9,453	10,384	11,299
Mental hospital.....	67	66	60	53	55	405	775	1,192	1,113	1,404
Intermediate care facilities:										
Mentally retarded.....	69	121	147	145	149	381	1,989	4,731	5,072	5,806
Other.....	582	789	828	828	842	1,885	4,202	6,516	6,773	7,310
Skilled nursing facility.....	630	609	547	571	574	2,434	3,885	5,071	5,880	5,971
Physicians.....	15,186	13,785	14,367	14,894	15,325	1,225	1,875	2,346	2,547	2,779
Dental.....	1,944	4,852	4,572	5,161	5,121	399	462	458	531	541
Other practitioner.....	2,673	3,234	3,957	3,451	3,592	127	198	251	252	265
Outpatient hospital.....	7,437	9,705	10,072	10,702	10,967	373	1,101	1,789	1,880	2,226
Clinic.....	1,086	1,531	2,121	2,027	2,143	398	320	714	807	955
Laboratory ⁴	4,739	3,212	6,354	7,123	7,492	128	121	337	424	489
Home health.....	343	392	536	593	622	70	332	1,120	1,362	1,699
Prescribed drugs.....	14,155	13,707	13,821	14,704	15,730	815	1,318	2,315	2,692	2,999
Family planning.....	1,217	1,129	1,636	1,732	1,638	67	81	195	228	227

¹ For 1975, recipient data are unduplicated counts of persons receiving Medicaid at any time during year. Beginning 1980, recipient data do not add due to small number of recipients that are reported in more than one category. Includes recipients of aid and payments for other care not shown separately. ² Permanently and totally. ³ Aid to families with dependent children. ⁴ Includes radiological services.

Source: U.S. Health Care Financing Administration, *Health Care Financing Review*, quarterly.

NO. 600. PROTECTION AGAINST SHORT-TERM SICKNESS INCOME LOSS: 1970 TO 1986

(In millions of dollars, except percent. "Short-term sickness" refers to short-term or temporary nonwork-connected disability (lasting not more than 6 months) and the first 6 months of long-term disability. See also *Historical Statistics, Colonial Times to 1970*, series H 115-124)

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986
Short-term sickness: Income loss.....	16,757	23,595	36,529	41,276	42,558	45,615	54,919	59,157	62,997
Total protection provided ¹	5,989	9,982	14,498	15,113	16,388	16,411	17,742	18,429	19,929
Protection as percent of loss.....	35.1	36.2	37.4	36.9	36.2	36.0	32.3	32.8	31.6
Benefits provided by protection:									
Individual insurance.....	894	973	1,280	1,291	1,595	1,152	1,410	1,796	1,774
Group benefits to workers in private employment.....	2,952	4,328	7,933	8,011	8,498	8,614	9,115	9,897	9,885
Private cash insurance ²	1,470	2,011	3,271	2,959	2,931	2,708	2,807	2,801	2,275
Publicly operated cash sickness funds ³	411	538	770	853	967	1,008	868	1,179	1,256
Sick leave.....	1,069	1,779	3,693	4,099	4,561	4,399	5,640	6,116	6,495
Sick leave for government employees.....	2,242	3,542	5,336	5,641	6,028	6,490	7,218	7,735	8,159

¹ Provided by individual insurance, group benefits to workers in private employment, and sick leave for government employees. Data for 1975-1983 include benefits for the sixth month of disability payable under old-age, survivors, disability, and health insurance program, not shown separately. ² Group accident and sickness insurance and self-insurance privately written either on a voluntary basis or in compliance with State temporary disability insurance laws in CA, HI, NJ, and NY includes a small but undetermined amount of group disability insurance benefits paid to government workers and to self-employed persons through firms, trade, or professional associations. ³ Includes State-operated plans in HI, CA, and NJ; State Insurance Fund and special fund for disabled unemployed in New York; and provisions of Railroad Unemployment Insurance Act.

Source: U.S. Social Security Administration, *Social Security Bulletin*, May 1986 and unpublished data.

No. 601. FEDERAL FOOD PROGRAMS: 1970 TO 1987

[For fiscal years ending in year shown; see text, section 8. Program data include Puerto Rico, Virgin Islands, Guam, American Samoa, and the Trust Territory when a Federal food program was operated in those areas. All participation data are average monthly figures except as noted. Participants are not reported for the special milk program, the nutrition program for the elderly, and the commodity distribution programs. Cost data are direct Federal benefits to recipients; they exclude Federal administrative payments and applicable State and local contributions. Federal costs for commodities and cash-in-lieu of commodities are shown separately from direct cash benefits for those programs receiving both.]

PROGRAM	Unit	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Food Stamp:											
Participants	Million	4.3	17.1	21.1	22.4	21.7	21.8	20.8	19.8	19.4	19.1
Federal cost	Mill. dol.	890	4,386	5,721	10,630	10,208	11,182	10,808	10,744	10,806	10,800
Nutrition assistance program for Puerto Rico:¹											
Federal cost	Mill. dol.	00	00	00	00	207	825	885	885	880	888
National school lunch program (NSLP):²											
Free lunches served	Million	739	1,838	1,871	1,737	1,822	1,714	1,702	1,658	1,678	1,688
Reduced-price lunches served	Million	844	844	308	312	382	283	348	285	287	280
Children participating ³	Million	22.4	24.9	28.6	25.8	22.8	23.0	22.4	23.6	23.7	24.0
Federal cost	Mill. dol.	200	1,289	2,279	2,381	2,186	2,402	2,808	2,578	2,714	2,788
School breakfast (SB):⁴											
Children participating ³	Million	3	1.8	3.6	3.6	3.3	3.4	3.4	3.4	3.5	3.6
Federal cost	Mill. dol.	11	88	288	382	917	344	384	379	408	408
Special school milk:											
Quantity reimbursed	Mill. 1/2 pt.	2,802	2,139	1,765	1,633	202	189	174	167	162	162
Federal cost	Mill. dol.	101	183	145	101	18	17	17	18	18	18
Women-Infant-Children:⁵											
Participants	Million	00	.6	2.0	2.2	2.3	2.7	3.2	3.3	3.5	3.6
Federal cost	Mill. dol.	00	94	909	728	788	687	1,188	1,235	1,304	1,379
Child care feeding (CC):⁶											
Children participating ³	Million	.1	.4	.7	.8	.8	.9	1.0	1.0	1.1	1.2
Federal cost	Mill. dol.	6	46	287	308	280	308	348	380	427	478
Summer feeding (SF):⁷											
Children participating ³	Million	.2	1.8	1.8	1.8	1.4	1.4	1.4	1.5	1.5	1.6
Federal cost	Mill. dol.	2	80	106	101	81	86	84	101	108	114
Needy family commodity:											
Participants	Million	3.5	.3	.1	.1	.1	.1	.1	.1	.1	.1
Federal cost	Mill. dol.	282	39	24	28	25	26	40	47	48	48
Nutrition program for the elderly:											
Meals served	Million	00	11	188	184	189	201	213	225	226	232
Federal cost	Mill. dol.	00	2	75	84	101	120	127	134	137	138
Federal cost of commodities donated to:⁸											
Child nutrition (NSLP, CC, SF and SB)	Mill. dol.	386	431	580	522	795	788	853	840	888	818
Charitable institutions, summer camps	Mill. dol.	29	30	71	78	111	181	180	170	240	188
Emergency feeding ¹⁰	Mill. dol.	00	00	00	00	180	1,002	1,032	973	848	848

NA Not available. X Not applicable. ¹ Puerto Rico was included in the food stamp program until June 30, 1982. ² See headnote, table 603. ³ Five month (September through May) average daily meals (lunches or breakfasts) served divided by the ratio of average daily attendance to enrollment. ⁴ Covers special supplemental food program (NSC) and commodity supplemental food program; excludes elderly persons served by the commodity supplemental food program. ⁵ Program provides year-round subsidies to food preschool children in child care centers and family day care homes. ⁶ Annual average daily attendance at participating institutions. ⁷ Program provides free meals to children in poor areas during summer months. ⁸ Peak month (July) average daily attendance at participating institutions. ⁹ Includes the Federal cost of commodity entitlements, cash-in-lieu of commodities, and bonus foods. ¹⁰ Provides free commodities to needy persons for home consumption through food banks, hunger centers, soup kitchens, and similar non-profit agencies.

Source: U.S. Dept. of Agriculture, Food and Nutrition Service. In *Agricultural Statistics*, annual; and unpublished data.

No. 602. FEDERAL FOOD STAMP PROGRAM: 1970 TO 1988

[Except as noted, for fiscal year ending in year shown; see text, section 8. Beginning 1975, includes Puerto Rico (through June 30, 1982), Guam, and Virgin Islands.]

YEAR	Participants ¹ (1,000)	Average monthly participation (1,000)	Federal govt. contributions (mil. dol.)	YEAR	Participants ¹ (1,000)	Average monthly participation (1,000)	Federal govt. contributions (mil. dol.)
1970	6,457	4,340	890	1975	18,383	17,382	5,460
1971	10,548	8,288	1,523	1980	22,088	21,087	5,721
1972	11,894	11,108	1,787	1981	22,161	22,491	10,880
1973	12,107	12,168	2,131	1982	20,061	21,717	10,208
1974	13,524	12,882	2,718	1983	21,067	21,825	11,182
1975	16,197	17,084	4,386	1984	19,785	20,854	10,808
1976	17,862	18,548	6,227	1985	18,188	18,889	10,744
1977	18,134	17,077	5,087	1986	18,071	18,439	10,806
1978	18,345	18,000	5,138	1987	18,861	19,119	10,800

¹ As of end of fiscal year.

Source: U.S. Dept. of Agriculture, Food and Nutrition Service. In *Agricultural Statistics*, annual.

**NO. 808. FEDERAL FOOD STAMP AND NATIONAL SCHOOL LUNCH PROGRAMS, BY STATE:
1960 AND 1967**

[Last date for year ending Sept. 30. Food stamp participants, as of Sept. 30; food stamp households, average monthly number participating in year ending Sept. 30. Data on pupils participating in National School Lunch Program are for month in which most pupils participated nationwide. For National School Lunch Program, covers public and private elementary and secondary schools and residential child care institutions. National School Lunch Program costs include Federal cash reimbursements at rates set by law for each meal served but do not include the value of USDA donated commodities utilized in this program. For composition of regions, see fig. 1, inside front cover.]

REGION, DIVISION, AND STATE	FOOD STAMP PROGRAM					NATIONAL SCHOOL LUNCH PROGRAM		
	Households participating, 1967		Persons (1,000)		Cost, 1967 (mil. dol.)	Persons (1,000)		Cost, 1967 (mil. dol.)
	Number (1,000)	Percent of all households	1960	1967		1960	1967	
Total¹	7,133	(NA)	22,038	18,361	10,800	27,011	24,496	2,700
U.S.	7,132	7.8	20,116	18,323	10,466	26,384	23,888	2,679
Regions:								
Northeast	1,510	8.0	4,379	3,487	1,834	4,869	4,097	445
Midwest	1,898	8.6	4,340	4,684	2,806	6,767	5,701	642
South	2,606	8.4	8,366	7,139	4,226	10,464	9,968	1,161
West	1,110	6.1	3,000	3,013	1,500	4,184	4,102	531
M. Eng.	366	5.5	846	883	256	1,366	1,621	90
ME	42	9.3	129	87	50	146	111	11
NH	8	2.4	53	18	10	101	88	6
VT	15	7.5	48	34	17	59	46	4
MA	130	5.9	446	298	139	703	486	41
RI	29	7.1	87	58	31	69	56	7
CT	43	3.8	174	110	48	260	234	21
Mid. Atl.	1,346	6.9	3,434	2,894	1,639	3,693	3,679	366
NY	703	10.5	1,804	1,592	885	1,693	1,529	202
NJ	146	5.2	600	362	220	679	541	57
PA	397	6.9	1,030	930	524	1,331	1,006	88
E. No. Cent.	1,476	8.5	3,363	2,994	2,213	4,491	3,631	372
OH	448	11.1	928	1,083	681	1,158	807	101
IN	114	5.6	368	307	200	717	614	39
IL	430	10.1	916	1,044	703	1,129	937	115
MI	369	10.8	908	864	473	886	725	77
WI	121	6.8	237	328	148	533	448	40
W. No. Cent.	432	6.3	868	1,086	868	2,368	2,679	179
MN	82	5.8	188	224	107	658	472	38
IA	77	7.2	158	188	107	439	373	30
MO	138	7.2	364	371	210	684	651	46
ND	13	5.2	28	34	19	83	93	7
SD	17	6.6	48	51	30	101	101	11
NE	37	6.1	72	96	50	203	188	16
KS	46	4.9	104	118	70	308	292	24
So. Atl.	1,891	6.8	3,811	2,889	1,536	4,646	4,536	469
DE	11	4.6	53	27	17	66	56	5
MD	104	6.3	336	241	158	434	352	35
DC	25	10.3	104	68	32	57	52	9
VA	129	5.9	412	304	178	717	629	89
WV	89	13.2	218	257	155	245	221	27
NC	169	6.6	592	389	214	687	607	84
SC	101	6.4	444	289	169	489	476	57
GA	176	7.6	666	480	257	684	616	85
FL	234	4.9	897	604	367	1,056	1,091	124
E. So. Cent.	968	12.3	2,383	1,886	1,138	2,392	2,146	261
KY	176	12.6	485	480	303	567	506	57
TN	186	10.2	674	484	277	648	615	69
AL	161	10.9	608	433	256	607	588	73
MS	167	18.4	518	492	294	430	440	66
W. So. Cent.	968	6.2	2,309	2,671	1,571	2,366	2,361	411
AR	65	6.5	301	228	121	366	288	36
LA	232	14.6	584	722	417	767	729	94
OK	106	8.5	214	272	166	406	364	39
TX	464	7.8	1,203	1,442	677	1,635	1,690	242
Br.	369	6.0	816	816	484	1,362	1,234	128
MT	22	7.3	46	57	33	104	66	6
ID	21	5.9	66	68	37	120	125	12
WY	10	5.7	16	38	18	51	57	4
CO	73	6.6	173	192	113	299	293	27
NM	51	6.5	191	162	84	174	174	25
AZ	67	5.4	227	212	120	291	290	35
UT	29	6.6	66	86	48	233	253	20
NV	16	4.1	37	34	23	80	57	6
Pac.	691	6.1	2,182	2,197	1,616	2,692	2,766	289
WA	122	6.9	280	292	157	264	249	26
OR	82	6.5	213	204	136	277	234	23
CA	364	5.6	1,571	1,600	610	2,006	2,000	212
AK	10	6.0	32	28	26	33	38	7
HI	33	9.5	106	82	86	162	147	15

NA Not available. ¹ Includes Puerto Rico, other outlying areas and Dept. of Defense overseas. After July 1, 1962 Puerto Rico was dropped from Food Stamp program and transferred to a nutrition assistance program.

Source: U.S. Dept. of Agriculture, Food and Nutrition Service. In *Agricultural Statistics*, annual and unpublished.

NO. 604. PUBLIC AID—RECIPIENTS AND AVERAGE MONTHLY CASH PAYMENTS UNDER SUPPLEMENTAL SECURITY INCOME (SSI) AND PUBLIC ASSISTANCE: 1975 TO 1987

[As of December, except as noted. Public assistance data for all years include Puerto Rico, Guam, and Virgin Islands; SSI data are for federally administered payments only. See text, section 12. Excludes payments made directly to suppliers of medical care. See also Appendix III and *Historical Statistics, Colonial Times to 1970*, series H 365-367]

PROGRAM	RECIPIENTS (1,000)					AVE. MONTHLY PAYMENTS (\$CL)				
	1975	1980	1985	1986	1987	1975	1980	1985	1986	1987
SSI, total.....	4,314	4,142	4,198	4,389	4,386	114	105	228	244	252
Aged.....	2,307	1,808	1,504	1,473	1,455	91	125	184	174	181
Blind.....	74	78	62	83	83	147	213	274	267	297
Disabled.....	1,933	2,256	2,581	2,713	2,848	141	196	261	262	267
Old-age assistance ¹	19	19	19	17	17	21	38	38	36	(NA)
Aid to the blind ¹	(2)	(2)	(2)	(2)	(2)	15	38	38	38	(NA)
Aid to permanently, totally disabled ¹	17	21	23	24	24	15	38	38	35	(NA)
AFDC: ² Families.....	3,589	3,843	3,721	3,777	3,734	229	208	341	356	365
Recipients ³	11,404	11,101	10,884	11,085	10,882	72	100	118	122	125
Children.....	8,108	7,589	7,347	7,574	7,228	(NA)	(NA)	(NA)	(NA)	(NA)
General assistance cases.....	892	793	1,051	885	911	144	151	(NA)	(NA)	(NA)

NA: Not available. Z: Fewer than 500. ¹ Average monthly recipients and payments for the year. ² Aid to Families with Dependent Children program. ³ Includes the children and one or both parents, or one caretaker relative other than a parent, in families where the needs of such adults were considered in determining the amount of assistance.

NO. 605. PUBLIC AID PAYMENTS: 1970 TO 1987

[In millions of dollars. See heading, table 604. Supplemental Security Income data cover federally- and State-administered payments. See also Appendix III and *Historical Statistics, Colonial Times to 1970*, series H 345-354]

PROGRAM	1970	1975	1978	1980	1981	1982	1983	1984	1985	1986	1987
Payments, total ¹	9,443	19,313	19,477	21,384	21,716	21,979	23,265	25,835	25,431	26,311	(NA)
Supplemental Security Income ²	(0)	5,879	7,075	7,941	8,583	8,891	9,404	10,371	11,080	12,081	12,951
Aged.....	(0)	2,808	2,528	2,734	2,816	2,824	2,814	2,873	3,035	3,088	3,194
Blind.....	(0)	131	188	190	208	217	229	249	284	277	291
Disabled.....	(0)	3,142	4,351	5,014	5,568	5,869	6,367	7,149	7,755	8,700	9,456
Public assistance ¹	8,443	10,434	12,402	14,048	13,123	12,988	13,861	14,864	15,371	16,230	(NA)
Old-age assistance.....	1,982	5	9	9	9	8	8	8	8	6	(NA)
Blind.....	98	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(NA)
Permanently, totally disabled.....	1,080	3	9	9	10	10	10	10	10	11	(NA)
Families with dependent children.....	4,853	9,211	11,089	12,475	12,981	12,878	13,838	14,805	15,198	16,033	(NA)
Emergency assistance.....	11	78	84	113	123	102	125	141	157	178	(NA)
General assistance.....	819	1,135	1,231	1,442	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

NA: Not available. X: Not applicable. Z: Less than \$800,000. ¹ Beginning 1981, excludes general assistance payments. ² Includes data not available by reason for eligibility.

NO. 606. PUBLIC AID RECIPIENTS AS PERCENT OF POPULATION, BY STATE: 1980 AND 1987

[Total recipients as of June of Aid to Families with Dependent Children and of Federal Supplemental Security Income as percent of resident population. Based on estimated resident population as of July 1. Compiled by U.S. Bureau of the Census]

DIVISION AND STATE	1980	1987	DIVISION AND STATE	1980	1987	DIVISION AND STATE	1980	1987	DIVISION AND STATE	1980	1987
U.S.....	6.5	6.2	E.N.C.—Cont.			S.A.—Cont.			SH.....	3.5	3.7
N.E.....	6.9	5.2	MI.....	8.9	6.5	WV.....	6.0	8.2	MT.....	3.4	4.5
ME.....	7.4	6.5	WI.....	6.1	7.7	NC.....	5.8	5.0	ID.....	3.1	2.7
NH.....	3.0	1.7	W.V.C.....	4.5	4.7	SC.....	7.8	8.3	WY.....	1.9	3.2
VT.....	6.4	5.8	MN.....	4.2	4.5	GA.....	8.8	8.4	CO.....	3.7	3.7
MA.....	8.3	5.9	IA.....	4.9	5.0	FL.....	4.4	4.1	NM.....	6.1	5.7
RI.....	7.2	6.0	MO.....	5.9	5.5	E.S.C.....	7.9	7.4	AZ.....	3.0	3.5
CT.....	5.2	4.3	ND.....	3.0	3.1	KY.....	7.2	7.0	UT.....	3.2	3.2
S.A.....	7.6	6.8	SD.....	4.2	3.9	TN.....	6.4	6.4	NV.....	2.3	2.6
NY.....	8.4	8.0	NE.....	3.2	3.8	AL.....	6.1	6.5	Pac.....	7.9	7.8
NJ.....	7.4	5.8	KS.....	3.8	3.8	MS.....	11.4	11.1	WA.....	4.9	5.8
PA.....	8.7	6.1	S.A.....	8.8	5.1	W.S.C.....	3.2	6.4	OR.....	4.9	4.0
E.N.C.....	6.6	7.2	DE.....	6.6	4.3	AR.....	7.2	5.9	CA.....	8.8	8.8
OH.....	6.0	7.5	MD.....	6.1	6.1	LA.....	6.3	6.8	AK.....	4.6	4.3
IN.....	3.7	3.6	DC.....	15.5	11.2	OK.....	5.2	4.8	HI.....	7.3	4.9
IL.....	7.0	7.5	VA.....	4.6	4.0	TX.....	4.0	4.5			

Source of tables 604-606: U.S. Social Security Administration, *Social Security Bulletin*, monthly, *Annual Statistical Supplement to the Social Security Bulletin*, and *Public Assistance Statistics*, monthly.

NO. 687. AID TO FAMILIES WITH DEPENDENT CHILDREN (AFDC) AND SUPPLEMENTAL SECURITY INCOME (SSI)—RECIPIENTS AND PAYMENTS, STATES AND OTHER AREAS: 1987 TO 1997

(Payments as of December, except as noted. Data for SSI cases where SSI payments were not administered have been supplemented, except as noted. For explanation of notations, see Appendix A.)

State and State or Other Area	AFDC							Age 15-17 1987-1997	SSI			
	Recipients		Payments		Payments		Per 1,000		Recipients		Payments	
	1987	1997	1987	1997	1987	1997			1987	1997	1987	1997
Total	1,784.6	NA	11,101	11,085	10,882	12,475	10,000	2006	1,412	1,406	1,116	1,000
AL	1,787.8	4.1	10,882	10,875	10,888	12,488	10,881	NA	4,142	4,394	7,888	12,388
AK	172.4	2.8	847	888	888	818	818	NA	188.8	187.8	388	188
AR	18.0	4.2	58	58	52	30	30	346	21.4	22.4	18	18
AS	4.2	1.1	24	11	11	11	11	329	15.4	16.3	18	18
AZ	1.4	1.6	24	22	20	32	40	44	3.3	3.6	6	6
CA	58.4	4.3	348	235	234	510	471	440	23.4	2.6	18	18
CO	15.5	4.2	54	43	42	2	9	412	15.3	16.3	19	15
CT	37.9	1.2	140	113	107	338	223	488	23.4	28.8	18	18
DC	881.8	4.7	2,216	1,888	1,878	2,884	1,882	NA	814.3	848.1	1,888	2,888
DE	384.6	5.3	1,110	1,178	1,118	1,823	2,123	483	384.6	375.3	181	181
FL	112.1	4.3	488	343	380	380	502	348	85.8	87.3	184	184
GA	184.0	4.1	837	587	538	111	111	338	83.7	12.1	112	112
H. S. S. Cont.	816.0	5.3	2,416	2,484	2,382	2,888	1,672	NA	888.3	584.2	887	1,542
HI	228.1	5.8	572	887	948	181	808	208	112.1	18.4	220	112
ID	51.4	2.5	170	153	150	138	145	220	14.4	15.3	18	18
IL	231.3	5.4	881	111	881	122	887	306	231.3	153.3	187	187
IN	212.9	4.3	853	853	842	183	186	414	112.9	128.3	187	187
IA	94.8	3.3	232	280	271	383	585	406	94.8	18.3	18	18
W. Va. Cont.	211.5	3.2	814	888	888	887	888	NA	188.3	188.8	278	888
KS	54.1	1.4	148	181	181	207	329	507	11.1	18.8	18	88
KY	38.9	1.6	111	122	104	144	111	35	25.9	30.0	18	88
LA	98.8	1.4	216	202	200	182	110	362	14.4	16.1	18	182
ME	5.1	2.1	13	14	15	18	20	344	6.3	11.0	18	113
MD	8.7	2.5	18	18	18	18	20	288	8.7	8.1	18	52
MA	15.7	2.6	38	41	43	42	82	318	13.7	14.4	18	137
MI	24.2	2.8	72	11	87	57	34	328	24.2	24.4	28	11
MO	488.1	3.1	1,488	1,382	1,388	1,128	1,488	NA	744.4	788.4	1,178	1,938
MS	7.7	1.2	34	21	20	32	25	253	7.7	1.5	11	11
MT	84.8	3.8	220	188	118	214	250	302	48.3	50.1	82	148
NE	18.5	1.9	82	54	50	32	11	308	18.5	16.1	31	48
NH	35.8	2.6	116	111	145	180	118	256	38.8	88.8	112	278
NJ	38.4	5.1	80	115	111	80	108	24	41.3	44.1	112	118
NM	67.4	2.8	202	111	111	154	184	228	140.8	141.3	210	122
NC	44.7	1.7	158	130	122	12	104	188	81.4	88.0	124	187
ND	84.9	3.8	234	248	244	138	232	228	154.5	158.3	238	880
E. S. S. Cont.	103.0	2.2	279	288	307	203	287	221	113.8	188.0	281	307
RI	238.7	4.1	784	847	844	388	388	NA	478.1	478.2	718	1,118
SC	58.9	4.3	175	181	155	138	140	183	83.1	103.5	151	284
SD	88.1	3.6	174	177	181	85	104	143	130.8	131.8	188	308
TN	48.5	1.1	178	138	132	84	88	114	134.1	131.0	188	243
TX	58.1	8.5	178	178	178	81	78	118	111.8	112.8	171	288
W. Va. Cont.	388.4	3.2	718	873	838	881	888	NA	343.3	831.7	788	1,488
UT	22.4	2.5	85	88	87	51	48	178	11.8	13.8	107	114
VA	87.8	5.6	218	258	271	124	184	188	138.5	128.1	221	314
OK	34.3	2.8	82	94	101	82	103	278	87.3	158.2	110	111
OR	182.3	2.7	320	458	500	134	288	171	281.7	288.5	388	188
WA	124.3	2.8	388	341	388	274	388	NA	118.2	137.3	188	344
WY	8.5	3.1	20	27	20	18	38	351	8.8	8.5	11	21
CO	8.5	1.8	20	17	18	24	18	254	8.5	8.0	11	21
CT	31.7	2.8	7	11	13	8	18	328	11.8	12.8	11	18
SD	21.2	2.5	81	88	94	81	110	308	21.3	12.8	148	81
AZ	28.7	4.0	58	54	80	42	52	235	28.4	28.0	141	88
UT	14.8	2.4	80	83	81	40	85	284	28.8	17.3	153	184
NV	5.8	2.8	44	42	44	48	58	341	17.8	18.8	111	29
PR	5.8	1.5	14	17	17	11	18	238	8.8	8.1	11	27
PR	788.8	8.3	1,843	2,884	2,857	2,844	4,288	NA	788.8	888.1	2,188	2,884
PR	75.2	4.3	173	210	208	251	375	431	45.3	52.7	88	154
CR	28.9	2.8	84	81	81	147	120	328	22.2	27.8	125	114
CA	582.1	5.8	1,408	1,701	1,708	2,328	3,840	532	117.5	148.7	1,884	1,884
AK	7.8	4.4	16	18	18	27	48	585	13.1	13.8	18	110
HI	13.7	4.0	81	44	41	81	72	602	10.2	12.2	20	18
PR	53.8	(NA)	170	181	178	80	88	101	(X)	(X)	(X)	(X)
GU	1.2	(NA)	5	5	5	3	4	207	(X)	(X)	(X)	(X)
VI	1.1	(NA)	3	4	4	2	J	184	(X)	(X)	(X)	(X)
N. Mariana	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	8.8	8.8	8.1	112

NA Not available. X Not applicable. ¹ As of July. For household figures used, see table 63. ² See footnote 1 table 634. ³ SSI totals include small number of recipients whose residence was unknown. ⁴ 1980 figures exclude payments to Indo-Chinese refugees (total, \$25.6 million) which were not available by State in addition for all years. Totals were reduced to reflect returned checks and overpayment refunds. ⁵ Data for persons with Federal SSI payments only. State has State administered supplementation. ⁶ Data for persons with Federal SSI payments only. State supplementary payments not made.

Source: U.S. Social Security Administration, *Social Security Bulletin*, monthly, *Annual Statistical Supplement to the Social Security Bulletin*, and *Public Assistance Statistics*, monthly.

NO. 602. COMMUNITY SERVICES USED BY PERSONS 65 YEARS OLD AND OVER, BY AGE GROUP AND LIVING ARRANGEMENT: 1984

(In percent, except as indicated. Covers persons 65 years old and over who were living in communities outside of nursing homes or other institutions (civilian noninstitutionalized population). Based on a supplement to the National Health Interview Survey; see Appendix III. See also tables 42, 43, 185, and 186.)

TYPE OF COMMUNITY SERVICE	Persons 65 years old and over	AGE GROUP				LIVING—	
		65-74 years old	75 years old and over	85-94 years old	95 years old and over	Alone	With others
Total (1,000).....	26,439	16,396	16,146	6,346	1,667	8,307	13,092
Percent used—							
Senior center.....	16.2	14.6	16.3	17.0	13.6	21.3	12.6
Special transportation for elderly.....	4.6	3.2	6.4	6.6	6.1	6.1	2.3
Home nursing care.....	3.6	2.1	6.9	6.4	6.9	4.0	3.3
Percent ate meals in senior center.....	6.6	7.7	6.6	10.1	6.6	12.6	6.6

Source: U.S. National Center for Health Statistics, unpublished data from Supplement on Aging to 1984 National Health Interview Survey.

NO. 603. CHILD SUPPORT AND ALIMONY—SELECTED CHARACTERISTICS OF WOMEN: 1985

(T) Women as of spring 1985. Covers civilian noninstitutional population. Child support data are for women with own children under 21 years of age present from absent fathers. Alimony data are for ever-divorced and currently separated women. Based on Current Population Survey; see text, section 1 and Appendix III. For definition of mean, see Guide to Tabular Presentation.)

RECIPIENCY STATUS OF WOMEN	Unit	Total ¹	CURRENT MARITAL STATUS				RACE		Hispanic ⁴	AGE		
			Divorced	Married ²	Single ³	Separated	White	Black		18 to 29 years	30 to 39 years	40 years and over
CHILD SUPPORT												
All women, total	1,000	5,896	3,046	2,292	3,606	1,368	6,341	2,916	513	2,967	3,614	2,267
Payments awarded ⁵	1,000	5,366	2,492	1,904	370	567	4,476	896	342	1,266	2,547	1,661
Percent of total	Percent	61.3	61.8	62.0	10.4	43.1	70.6	30.3	42.1	44.6	70.5	67.7
Due child support payment in 1985	1,000	4,561	2,176	1,416	300	463	3,661	667	282	1,066	2,162	1,110
Received payment	1,000	2,243	1,037	870	231	362	2,722	473	192	777	1,606	861
Percent of due	Percent	74.0	75.1	66.5	76.2	64.3	74.6	72.0	66.1	71.3	73.6	77.6
Did not receive payment	1,000	1,196	541	447	72	71	929	184	80	312	576	249
Payments not awarded	1,000	2,411	669	416	1,636	776	1,665	1,471	471	1,596	1,066	746
Mean money income:												
Women received payments	Dollars	14,776	16,776	16,612	6,676	12,642	16,062	13,267	11,606	10,066	15,513	16,916
Mean child support	Dollars	2,216	2,636	1,966	1,147	2,062	2,264	1,764	2,011	1,467	2,367	2,662
Women did not receive payments	Dollars	10,637	12,666	6,621	(a)	(a)	10,664	10,477	6,430	6,406	11,663	14,730
Women not awarded payments	Dollars	7,266	11,776	6,466	6,647	6,066	6,746	6,066	6,306	6,323	10,066	10,770
Women with incomes below the poverty level in 1985, total												
Payments awarded ⁵	1,000	1,130	572	121	207	221	767	322	100	466	466	176
Received payments in 1985	1,000	666	301	60	123	116	411	174	43	241	266	66
Mean income from child support	Dollars	1,366	1,522	(b)	600	1,006	1,466	1,066	(b)	663	1,674	1,646
Did not receive payment	1,000	310	166	31	40	41	221	63	31	126	147	36
Payments not awarded	1,000	1,666	222	66	662	426	762	666	314	661	436	262
ALIMONY												
All women, total	1,000	16,166	6,066	7,261	(c)	2,616	16,636	2,766	1,166	2,617	6,676	10,666
Payments awarded ⁵	1,000	2,603	1,366	1,016	(x)	261	2,536	220	122	216	616	1,666
Received payments in 1985	1,000	616	443	52	(x)	120	566	44	29	62	166	366
Mean income from alimony	Dollars	3,733	3,976	(b)	(x)	3,063	3,666	(b)	(b)	(b)	3,200	4,366
Did not receive payment	1,000	226	161	37	(c)	26	166	26	13	46	76	166
Payments not awarded	1,000	16,364	6,632	6,246	(c)	2,346	13,500	2,546	1,064	2,601	6,066	8,666
Women with incomes below the poverty level in 1985, total												
Payments awarded	1,000	434	247	66	(x)	66	376	46	36	66	111	237
Percent of total	Percent	11.7	13.7	10.6	(c)	6.6	14.2	5.0	6.5	10.1	10.2	13.4

B Base less than 75,000. X Not applicable. ¹ Includes other items, not shown separately. ² Remarried women whose previous marriage ended in divorce. ³ Never-married women. ⁴ Hispanic woman may be of any race. ⁵ Includes women who were not supposed to receive payments in 1985, not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-23, No. 162.

NO. 610. CHILD SUPPORT ENFORCEMENT PROGRAM—CASELOAD AND COLLECTIONS: 1960 TO 1967

For years ending Sept. 30. Includes Puerto Rico, Guam and the Virgin Islands. The Child Support Enforcement program locates absent parents, establishes paternity of children born out-of-wedlock, and establishes and enforces support orders. By law, these services are available to all families that need them. The program is operated at the State and local government level but 88% of administrative costs are paid by the Federal government. Child support collected for families not receiving Aid to Families with Dependent Children (AFDC) goes to the family to help it remain self-sufficient. Most of the child support collected on behalf of AFDC families goes to Federal and State governments to offset AFDC payments. Based on data reported by State agencies. Minus sign (-) indicates not outlay.

ITEM	Unit	1960	1961	1962	1963	1964	1965	1966	1967
Total cases.....	1,000	6,432	6,309	7,029	7,516	7,500	6,401	6,724	10,509
AFDC and AFDC arrears only caseload.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	7,220	7,806
AFDC cases.....	1,000	4,363	5,112	5,547	5,826	6,136	6,242	5,749	5,798
AFDC arrears only cases ¹	1,000	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1,472	1,341
Non-AFDC cases.....	1,000	846	1,115	1,481	1,663	1,663	2,136	2,593	2,879
Cases for which a collection was made:									
AFDC cases.....	1,000	609	646	697	696	647	654	592	610
AFDC arrears only cases ¹	1,000	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	166	195
Non-AFDC cases.....	1,000	846	365	446	607	647	664	796	843
Percentage of cases with collections:									
AFDC cases.....	Percent	11.0	10.7	10.8	10.2	10.5	11.0	10.1	10.7
AFDC arrears only cases ¹	Percent	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	10.8	10.6
Non-AFDC cases.....	Percent	29.7	29.2	30.3	30.3	29.4	30.5	31.4	31.7
Absent parents located, total.....	1,000	643	606	779	931	675	679	1,046	1,146
Paternities established, total.....	1,000	144	184	173	203	219	232	245	266
Support obligations established, total.....	1,000	374	414	462	486	573	660	731	813
FINANCES									
Collections, total.....	ML dol	1,476	1,629	1,770	2,024	2,676	2,694	3,249	3,967
AFDC collections.....	ML dol	808	871	796	669	1,000	1,000	1,225	1,369
State share.....	ML dol	274	302	354	389	446	416	434	479
Incentive payments to States.....	ML dol	72	81	107	121	134	145	166	166
Federal share.....	ML dol	264	286	311	349	402	341	389	410
Payments to AFDC families ²	ML dol	10	12	16	16	17	189	276	279
Non-AFDC collections.....	ML dol	674	658	894	1,144	1,376	1,694	2,023	2,598
Administrative expenditures, total.....	ML dol	469	526	612	691	723	614	641	1,069
State share.....	ML dol	117	132	169	294	216	243	269	313
Federal share.....	ML dol	349	395	469	457	507	571	630	746
Program savings, total.....	ML dol	127	139	160	174	260	96	9	22
State share.....	ML dol	230	261	207	312	366	317	274	346
Federal share.....	ML dol	-103	-129	-149	-136	-106	-221	-264	-327
Total fees and costs recovered for non-AFDC cases.....	ML dol	6	6	3	3	3	3	6	7
Percentage of AFDC payments recovered.....	Percent	5.2	5.2	6.6	6.6	7.0	7.3	8.6	9.2

NA Not available. ¹ Reflects cases that are no longer receiving AFDC but still have outstanding child support due.

² Beginning 1965 States were required to pass along to the family the first \$60 of any current child support collected each month.

Source: U.S. Department of Health and Human Services, Office of Child Support Enforcement, *Annual Report to Congress*.

NO. 611. ORPHANS, BY TYPE: 1960 TO 1967

[As of July. Includes Puerto Rico and Virgin Islands; beginning 1970, also includes American Samoa and Guam. Covers children under age 18 who have been orphaned at any time. Paternal orphan refers to loss of father only, maternal orphan to loss of mother only, full orphan to loss of both parents. Percent of child population based on Social Security Administration estimates of number of children under 18, as of July 1. Data not exactly comparable for all years because of changes in methodology.]

YEAR	NUMBER (1,000)				PERCENT OF CHILD POPULATION			
	Total	Paternal	Maternal	Full	Total	Paternal	Maternal	Full
1960.....	3,509	2,446	661	62	5.1	3.6	1.4	.1
1970.....	3,745	2,635	1,033	76	5.1	3.6	1.4	.1
1975.....	3,550	2,580	859	71	5.1	3.5	1.4	.1
1980.....	2,899	2,077	780	52	4.4	3.1	1.1	.1
1982.....	2,624	1,890	682	43	4.0	2.9	1.0	.1
1983.....	2,488	1,812	548	39	3.8	2.8	1.0	.1
1984.....	2,408	1,730	521	38	3.7	2.7	1.0	.1
1985.....	2,330	1,666	589	33	3.6	2.6	.9	(Z)
1986.....	2,272	1,601	591	30	3.5	2.5	.9	(Z)
1987.....	2,229	1,594	586	29	3.4	2.5	.9	(Z)

Z Less than .05 percent.

Source: U.S. Social Security Administration, unpublished data.

No. 612. ADOPTIONS BY RELATIONSHIP OF PETITIONER, 1960 TO 1982, AND FOREIGN ADOPTIONS, 1975 TO 1987

[Data on foreign adoptions for fiscal year ending in year shown; see text, section 9. Estimated. Data on total adoptions for 1960-1975 are generally based on material shown by Penelope Maza in "Adoption Trends: 1944-1975", Child Welfare Research Notes #9, issued by the U.S. Dept. of Health and Human Services, Administration for Children, Youth and Families. Data on total adoptions for 1982 are based on data collected by the source from various State health, welfare, adoption, and statistical offices. Data on foreign adoptions are based on compilations by the source of data supplied by the U.S. Immigration and Naturalization Service. For further comments, see source]

YEAR	TOTAL ADOPTIONS						YEAR AND COUNTRY OF ORIGIN OF ADOPTEE	FOREIGN ADOPTIONS	
	Total	Related petitioners	Unrelated petitioners by type of agency making placement					Number	Per-cent distribution
			Total	Public agency	Private agency	Inde-pendent			
Number:							1975.....	5,633	100.0
1960.....	107,000	49,260	57,800	13,300	20,800	23,700	1980.....	5,139	100.0
1965.....	142,000	65,300	76,700	20,700	32,200	23,800	1982.....	5,749	100.0
1970.....	175,000	65,800	69,200	29,800	40,100	19,800	1983.....	7,127	100.0
1975.....	129,000	61,300	47,700	18,800	18,100	11,000	1984.....	8,327	100.0
1982.....	141,881	91,141	50,720	19,428	14,549	16,743	1986.....	9,266	100.0
							1986.....	9,645	100.0
Percent distribution:							1987, total ¹	10,097	100.0
1960.....	100.0	46.0	54.0	12.4	19.4	22.1	Korea.....	5,910	58.5
1965.....	100.0	46.0	54.0	14.6	22.7	16.8	India.....	807	8.0
1970.....	100.0	49.0	51.0	16.9	22.9	11.2	Colombia.....	724	7.2
1975.....	100.0	63.0	37.0	14.4	14.0	8.5	Philippines.....	593	5.9
1982.....	100.0	64.2	35.8	13.7	10.3	11.8	Chile.....	238	2.4

¹ Includes other countries, not shown separately.
Source: National Committee for Adoption, Inc., Washington, DC, *Adoption Factbook*, 1985, (copyright) and unpublished data.

No. 613. CHILD CARE ARRANGEMENTS OF CHILDREN UNDER 15 OF EMPLOYED MOTHERS, BY AGE OF CHILD AND EMPLOYMENT STATUS OF MOTHER: 1984-1985

[In thousands, except percent. As of winter 1984-1985. Data were obtained for the three youngest children under 15 years old (including any adopted or stepchildren in their care) in the household. This represents approximately 90 percent of all children under 15 years old of working women. Based on the Survey of Income and Program Participation; see text, section 14]

USUAL WEEKLY CHILD CARE ARRANGEMENT	CHILDREN UNDER 15 YEARS			CHILDREN UNDER 5 YEARS						Children 5-14 years, total
	Total	Mother employed		Total	Mother employed		Under 1 year	1 and 2 years	3 and 4 years	
		Full time ¹	Part time		Full time ¹	Part time				
Total.....	28,455	16,812	9,643	8,185	5,089	3,108	1,385	3,287	3,816	18,397
Care in child's home.....	4,599	2,480	2,219	2,534	1,235	1,300	516	1,066	980	2,164
By father.....	2,406	1,133	1,363	1,282	542	740	252	526	502	1,214
By grandparent.....	712	423	289	467	259	203	102	203	157	244
By other relative.....	804	539	265	306	183	123	44	147	114	496
By nonrelative.....	667	355	302	479	251	226	118	185	115	206
Care in another home.....	3,801	2,676	1,126	3,020	2,136	984	563	1,366	1,098	782
By grandparent.....	1,136	743	395	633	533	300	174	361	296	305
By other relative.....	467	266	182	363	212	155	70	130	167	100
By nonrelative.....	2,198	1,647	549	1,819	1,390	428	319	677	624	377
Organized child care facilities.....	2,411	1,830	581	1,805	1,415	473	195	563	1,131	523
Day/group care center.....	1,440	1,067	373	1,142	835	307	118	401	825	266
Nursery school/preschool.....	971	763	208	746	580	166	79	182	506	225
Kindergarten/grade school.....	13,815	6,976	4,639	61	21	41	(x)	(x)	61	13,753
Child cares for self.....	458	354	134	(x)	(x)	(x)	(x)	(x)	(x)	436
Parent cares for child ²	1,245	497	746	663	252	412	112	267	285	561
PERCENT DISTRIBUTION										
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Care in child's home.....	17.8	14.8	23.0	31.0	24.4	41.8	37.3	32.7	27.0	11.8
By father.....	9.4	6.7	14.1	15.7	10.7	23.8	18.2	18.2	14.3	6.6
By grandparent.....	2.7	2.5	3.0	5.7	5.1	6.7	7.4	6.4	4.5	1.3
By other relative.....	3.0	3.2	2.7	3.7	3.6	4.0	3.2	4.5	3.3	2.7
By nonrelative.....	2.6	2.3	3.1	5.9	5.0	7.3	8.5	5.7	5.0	1.1
Care in another home.....	14.4	15.9	11.7	37.0	42.2	28.4	40.6	41.9	31.0	4.3
By grandparent.....	4.3	4.4	4.1	10.2	10.6	9.7	12.6	11.0	8.5	1.7
By other relative.....	1.8	1.7	1.9	4.5	4.2	5.0	5.1	4.0	4.7	.5
By nonrelative.....	8.3	9.8	5.7	22.3	27.5	13.8	23.0	26.8	17.7	2.1
Organized child care facilities.....	9.1	10.8	6.1	23.1	28.0	15.2	14.1	17.2	32.2	2.8
Day/group care center.....	5.4	6.3	3.9	14.0	16.6	9.9	8.4	12.3	17.8	1.6
Nursery school/preschool.....	3.7	4.5	2.2	9.1	11.5	5.3	5.7	5.0	14.4	1.2
Kindergarten/grade school.....	52.2	53.4	50.2	.8	.4	1.3	(x)	(x)	1.7	75.2
Child cares for self.....	1.8	2.1	1.4	(x)	(x)	(x)	(x)	(x)	(x)	2.7
Parent cares for child ²	4.7	3.0	7.8	8.1	5.0	13.3	8.1	8.2	8.1	3.2

X Not applicable. ¹ Full-time jobs comprise 35 hours or more per week. ² Includes women working at home or away from home.
Source: U.S. Bureau of the Census, *Current Population Reports*, series P-70, No. 9.

No. 614. PERCENT OF ADULT POPULATION DOING VOLUNTEER WORK: 1961 TO 1967

[1961 and 1965, cover persons 14 years old and over; 1967 data cover persons 16 years old and over. Volunteers are persons who worked in some way to help others for no monetary pay during the previous year. Data for 1961 were collected in March 1961, 1965 data were collected in October 1965, and 1967 data were collected in March 1966 as part of Gallup Poll. Based on a sample and subject to sampling variability, see source]

AGE AND SEX	1961	1965	1967	EDUCATIONAL ATTAINMENT AND HOUSEHOLD INCOME	1961	1965	TYPE OF ACTIVITY	1961	1965
Total	52	48	44	Grade school	26	29	Percent of volunteers involved in—		
14-17 years old	53	52	(NA)	High school, 1-3 yrs	31	36	Religious organizations	37	46
18-24 years old	54	43	42	High school, 4 yrs	54	46	Education	23	27
25-34 years old		53	45	College, 1-3 yrs	65	61	Recreation	13	21
35-44 years old	55	54	54	College, 4 yrs. or more	75	65	Health	23	19
45-54 years old		44	47	Under \$10,000	36	40	Civil, social, fraternal organizations	12	17
55-64 years old		43	40	\$10,000-\$19,999	49	42	Social services, welfare	10	15
65-74 years old	37	28	29	\$20,000-\$29,999	64	52	Community action	12	8
75 years old and over		26	29	\$30,000-\$39,999	(NA)	64	Political organizations	12	8
Male	47	45	44	\$40,000 and over	62	60	Informal, alone	44	40
Female	56	51	47				General fund-raisers	12	23

NA Not available. ¹ Persons 16 years old and over. ² Persons 35-49 years old. ³ Persons 50-64 years old.

Source: INDEPENDENT SECTOR, Washington, DC, *Americans Volunteer, 1966*, April 1966 (copyright and Hodgkinson, Virginia, Murray Weitzman, and the Gallup Organization, Inc., *Giving and Volunteering in the United States: 1966 Edition*, (Copyright and published by INDEPENDENT SECTOR, Washington, DC, Fall 1966.)

No. 615. CHARITY CONTRIBUTIONS—AVERAGE DOLLAR AMOUNT AND PERCENT OF HOUSEHOLD INCOME, BY AGE OF RESPONDENT AND VOLUNTEER STATUS: 1967

[Estimates cover households' contribution activity for the year and are based on respondents' replies as to contribution and volunteer activity of household. Based on a sample survey conducted in March 1968 and subject to sampling variability, see source]

ITEM	Total	18-24 years old	25-34 years old	35-44 years old	45-54 years old	55-64 years old	65-74 years old	75 years old and over
AVERAGE AMOUNT (dollars)								
Contributors	790	210	625	625	1,088	1,084	858	737
Contributors only	488	288	358	515	819	479	552	782
Contributors and volunteers	1,021	186	827	1,001	1,558	1,583	1,381	987
CONTRIBUTIONS AS PERCENT OF HOUSEHOLD INCOME								
Contributors	1.9	.8	1.8	1.8	2.1	2.6	3.1	3.0
Contributors only	1.3	.8	.9	1.1	1.4	1.3	1.8	3.2
Contributors and volunteers	2.4	.5	2.1	2.2	2.5	3.5	4.2	2.8

Source: Hodgkinson, Virginia, Murray Weitzman, and the Gallup Organization, Inc., *Giving and Volunteering in the United States: 1968 Edition*, (Copyright and published by INDEPENDENT SECTOR, Washington, DC, Fall 1968.)

No. 616. PRIVATE PHILANTHROPY FUNDS, BY SOURCE AND ALLOCATION: 1970 TO 1967

[In billions of dollars. Estimates for sources of funds based on U.S. Internal Revenue Service reports of corporate and foundation tax returns, individual charitable deductions, econometric formula utilizing Commerce Department data on personal income, Standard & Poor's 500 Composite Index, Census population data. Also, surveys conducted by Council for Aid to Education, The Conference Board, The Foundation Center, and other research organizations. Estimates for allocation of funds based on surveys of recipient organizations conducted by source and other groups. See *Historical Statistics, Colonial Times to 1970*, series H 380-411, for similar but not comparable data]

SOURCE AND ALLOCATION	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total funds	21.5	26.6	28.3	28.8	42.7	48.7	55.6	66.8	65.2	72.6	80.3	86.8	93.7
Individuals	18.2	23.5	28.6	32.1	35.6	40.7	48.4	48.5	53.5	60.7	65.9	72.0	76.8
Foundations	1.9	1.7	2.0	2.2	2.4	2.6	3.1	3.2	3.6	4.0	4.9	5.8	6.4
Corporations	.8	1.2	1.8	2.1	2.3	2.4	2.5	2.9	3.6	4.0	4.3	4.5	4.5
Charitable bequests	2.1	2.2	3.0	2.8	2.2	2.9	3.5	5.5	4.5	4.8	5.2	5.8	5.9
Allocation:													
Religion	9.3	12.8	17.0	18.4	20.2	22.2	25.1	28.1	31.6	35.4	37.7	41.7	43.8
Health	3.4	4.2	5.0	5.4	6.1	6.7	7.7	8.4	8.2	10.3	11.3	12.3	13.7
Education	3.3	3.8	4.8	5.5	6.0	6.9	7.8	8.4	9.0	10.0	11.1	10.1	10.8
Human services	2.9	2.9	3.6	3.9	4.5	4.9	5.6	6.3	6.9	7.9	8.6	9.1	9.8
Arts, culture and humanities	.7	1.5	2.3	2.4	2.7	3.2	3.7	5.0	4.0	4.5	5.1	5.8	6.4
Public/society benefit	.5	.8	1.2	1.1	1.2	1.5	1.8	1.7	1.6	1.9	2.2	2.4	2.4
Other	.9	2.6	2.5	2.4	3.0	3.5	3.9	2.2	2.7	3.3	3.8	4.0	4.0
Unallocated	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	2.7	3.0

NA Not available.

Source: AAFRC Trust for Philanthropy, New York, NY, *Giving USA, annual* (Copyright.)

No. 617. FOUNDATIONS—NUMBER AND FINANCES BY ASSET SIZE

[Figures are for latest year reported by foundations, usually 1986 or 1987. Covers nongovernment nonprofit organizations with funds and programs managed by their own trustees or directors, whose goal was to maintain or aid social, educational, religious, or other activities deemed to serve the common good. Excludes organizations which make general appeals to the public for funds, act as trade associations for industrial or other special groups, or do not currently award grants. 2. Less than .5 percent.]

ASSET SIZE	Number	Assets (mil. dol.)	Expenditures (mil. dol.)	Grants (mil. dol.)	Gifts re- ceived (mil. dol.)	PERCENT DISTRIBUTION				
						Number	Assets	Expenditures	Grants	Gifts re- ceived
Total	25,639	102,905	7,937	9,957	5,163	100	100	100	100	100
Under \$50,000	7,154	122	187	174	152	28	(2)	3	3	3
\$50,000-\$99,999	2,733	195	75	98	80	11	(2)	1	1	1
\$100,000-\$249,999	4,367	707	151	195	122	17	1	2	2	2
\$250,000-\$499,999	3,005	1,095	187	187	154	12	1	3	3	3
\$500,000-\$999,999	2,853	1,573	295	332	221	10	2	4	4	4
\$1,000,000-\$4,999,999	3,739	8,317	575	744	595	15	8	12	12	14
\$5,000,000-\$9,999,999	815	5,781	530	440	355	3	5	8	7	7
\$10,000,000-\$49,999,999	845	17,385	1,399	1,181	1,044	3	17	19	19	20
\$50,000,000-\$99,999,999	129	8,811	598	489	323	(2)	9	8	8	8
\$100,000,000 or more	148	57,795	2,531	2,495	2,043	(2)	65	40	41	40

Source: The Foundation Center, New York, NY, *The National Data Book*, 12th edition, 1988.

No. 616. FOUNDATIONS—GRANTS REPORTED, BY SUBJECT FIELD AND RECIPIENT ORGANIZATION: 1982 TO 1987

Number and type of foundations reporting varies from year to year. Covers grants of \$5,000 or more in size. For 1987, based on reports of 473 foundations which represented about 43 percent of all grant dollars awarded by private foundations. For definition of foundation, see headnote, table 617.]

SUBJECT FIELD AND RECIPIENT ORGANIZATION	NUMBER OF GRANTS					AMOUNT						
	1982	1984	1985	1986	1987	Total (mil. dol.)					Percent distribution	
						1982	1984	1985	1986	1987	1982	1987
Total ¹	27,121	25,040	26,220	40,346	43,032	1,490	1,847	2,013	2,217	2,598	100.0	100.0
Welfare	9,014	11,174	12,185	13,491	14,225	387	454	523	585	696	25.9	26.8
Health	4,554	5,911	6,009	5,488	7,245	312	391	474	454	600	20.9	23.2
Education	5,145	6,099	6,080	7,057	7,007	355	288	336	485	452	23.6	17.5
Culture	4,435	5,542	5,245	7,334	7,897	209	229	294	327	386	14.0	15.0
Science	1,844	2,148	2,285	2,455	2,514	85	123	177	142	194	5.4	7.5
Social science	1,704	2,354	2,552	3,138	3,274	102	125	169	195	213	6.8	8.2
Religion	595	812	702	583	598	25	38	38	27	43	1.6	1.7
Educational institutions	5,315	9,867	9,739	11,234	11,571	534	576	715	851	946	42.5	35.7
Direct service agencies	7,951	9,573	11,147	12,875	13,469	277	354	415	485	548	18.5	21.2
Hospitals and medical care facilities	1,880	1,803	1,884	2,033	2,021	120	114	140	136	155	8.1	6.0
Research institutes	1,101	1,453	1,883	2,174	2,194	77	147	189	201	275	5.2	10.5
Associations and profess. societies	2,800	2,904	4,589	5,242	5,984	85	148	189	215	274	5.5	10.8
Museums and historical societies	1,134	1,300	1,501	1,824	2,001	85	91	115	125	159	5.9	6.1
Performing arts group	1,888	2,031	2,343	2,721	3,030	81	75	87	90	115	4.1	4.4
Government agencies	658	947	921	1,141	1,225	47	52	69	71	91	3.2	3.5
Community funds	718	1,079	959	1,281	1,139	43	65	67	60	81	2.9	3.1
Libraries	370	421	483	570	559	27	25	63	68	55	1.8	2.5
Churches and temples	572	745	682	542	548	25	29	29	18	24	1.7	.9

¹ Grants may be awarded to multiple types of recipient organizations and would thereby be double-counted.

Source: The Foundation Center, New York, NY, *Foundation Grants Index*, annual.

No. 619. CORPORATE PHILANTHROPY—BENEFICIARIES: 1975 TO 1986

[In millions of dollars, except percent. Based on a sample of corporations that gave at least \$100,000; see source.]

BENEFICIARY	1975	1977	1980	1981	1982	1983	1984	1986	Total	
									Total	Percent of total
Total ¹	1,333.3	992.9	1,111.1	1,170.8	1,291.8	1,278.4	1,444.3	1,994.7	1,573.7	100.0
Health and human services ¹	180.0	227.5	337.8	385.3	397.3	357.5	399.9	494.1	408.6	26.0
Federated drives	104.8	125.5	170.7	(NA)	162.4	(NA)	183.9	(NA)	225.9	13.5
Other local health, human services	20.5	25.0	41.7	(NA)	44.5	(NA)	71.2	(NA)	(NA)	(NA)
Education ¹	158.4	220.0	375.8	428.8	522.2	498.6	581.7	650.0	718.0	42.9
Dept. and research grants ²	23.6	31.6	64.7	(NA)	114.5	(NA)	175.3	(NA)	198.5	11.9
Employee matching gifts ²	14.0	22.4	45.4	(NA)	71.2	(NA)	72.2	(NA)	98.7	5.9
Unrestricted operating grants ²	29.1	34.8	55.0	(NA)	67.4	(NA)	38.7	(NA)	70.0	4.8
Culture and art	32.0	53.2	105.7	138.8	145.8	145.2	154.7	187.5	198.7	11.8
Civic, community activities ¹	45.2	66.3	118.8	135.5	149.3	188.8	271.6	279.5	220.5	13.2
Community improvement	18.2	25.3	47.0	(NA)	48.2	(NA)	30.5	(NA)	12.8	.8
Environment, ecology	7.5	15.1	10.8	(NA)	13.5	(NA)	97.1	(NA)	35.9	2.1

NA Not available. ¹ Includes other beneficiaries not shown separately. ² Higher education institutions.

Source: Plutzer, Linda Cardillo, *Annual Survey of Corporate Contributions*, The Conference Board, New York, NY. (Copyright.)



Section 13

Labor Force, Employment, and Earnings

This section presents data on the labor force; its distribution by occupation and industry affiliation; and the supply of, demand for, and conditions of labor. The chief source of these data is the Current Population Survey conducted by the U.S. Bureau of the Census. Comprehensive historical data are published by the Bureau of Labor Statistics (BLS) in *Labor Force Statistics Derived From the Current Population Survey, 1948-87, BLS Bulletin 2307*. These data are supplemented on a current basis by the BLS monthly publications *Employment and Earnings* and the *Monthly Labor Review*. Detailed data on the labor force are also available from the Census Bureau's decennial census of population.

Types of data.—Most statistics in this section are obtained by two methods: household interviews or questionnaires, and reports of establishment payroll records. Each method provides data which the other cannot suitably supply. Population characteristics, for example, are readily obtainable only from the household survey, while detailed industrial classifications can be readily derived only from establishment records.

Household data are obtained from a monthly sample survey of the population. The Current Population Survey (CPS) is used to gather data for the week including the 12th of the month, and provides current comprehensive data on the labor force (see text, section 1). The CPS provides information on the work status of the population without duplication since each person is classified as employed, unemployed, or not in the labor force. Employed persons holding more than one job are counted only once, according to the job at which they work the most hours during the survey week.

Monthly data from the CPS are published by the Bureau of Labor Statistics in *Employment and Earnings* and the related reports mentioned above. Data presented include national totals by sex, race, Hispanic origin, and age, of the number of persons in the civilian labor force; the number employed, hours of work; industry and occupational groups; and the number unemployed, reasons for, and duration of unemployment. Monthly data from the CPS are also presented for 11 large States. Annual data shown in this section are averages of monthly figures for each calendar year, unless otherwise specified.

In addition to monthly data, the CPS also produces annual estimates of employment and unemployment for each State, 50 large metropolitan statistical areas and selected cities. These estimates are published by BLS in its annual *Geographic Profile of Employment and Unemployment*. More detailed geographic data (e.g., for counties and cities) are provided by the decennial population censuses.

Data based on establishment records are compiled by BLS and cooperating State agencies as part of an ongoing Current Employment Statistics Program. Data, gathered from a sample of employers who voluntarily complete mail questionnaires monthly, are supplemented by data from other government agencies and adjusted at intervals to data from government social insurance program reports. The estimates exclude proprietors of unincorporated firms, self-employed persons, private household workers, unpaid family workers, agricultural workers, and the Armed Forces. In March 1987, reporting establishments employed 10 million manufacturing workers (51 percent of the total manufacturing employment at the time), 16 million workers in nonmanufacturing industries (24 percent of the total in nonmanufacturing), and 13 million Federal, State, and local government employees (72 percent of total government).

The establishment survey counts workers each time they appear on a payroll during the reference week (as with the CPS, the week including the 12th of the month). Thus, unlike the CPS, a person with two jobs is counted twice. The establishment survey is designed to provide detailed industry information for the Nation, States, and metropolitan areas on nonagricultural wage and salary employment, average weekly hours, and average hourly and weekly earnings. Establishment survey data are published in *Employment and Earnings* and the *Monthly Labor Review*, cited above. Historical national and geographic data are published in *BLS Bulletin 1312-12, Employment, Hours, and Earnings, United States, 1909-84* and *Bulletin 1370-17, Employment, Hours, and Earn-*

ings, 1939-82 (data for States and areas), and their supplements. (An updated bulletin, *Employment, Hours, and Earnings, States and Areas, 1972-87* is forthcoming.)

Labor force.—According to the CPS definitions, the civilian labor force comprises all civilians in the noninstitutional population 16 years and over classified as “employed” or “unemployed” according to the criteria below. Employed civilians comprise (a) all civilians, who, during the reference week, did any work for pay or profit (minimum of an hour’s work) or worked 15 hours or more as unpaid workers in a family enterprise, and (b) all civilians who were not working but who had jobs or businesses from which they were temporarily absent for noneconomic reasons (illness, weather conditions, vacation, labor-management dispute, etc.). Unemployed persons comprise all civilians who had no employment during the reference week, who made specific efforts to find a job within the previous four weeks (such as applying directly to an employer, or to a public employment service, or checking with friends) and who were available for work during that week. Persons on layoff from a job or waiting to report to a new job within 30 days are also classified as unemployed if they are available for work. All other persons, 16 years old and over, are “not in the labor force.” The labor force includes, in addition to the civilian employed and unemployed, members of the Armed Forces stationed in the United States. They are also included in the employed totals.

Beginning in 1982, changes in the estimation procedures and the introduction of 1980 census data caused substantial increases in the population and estimates of persons in all labor force categories. Rates on labor force characteristics, however, were essentially unchanged. In order to avoid major breaks in series, some 30,000 labor force series were adjusted back to 1970. The effect of the 1982 revisions on various data series and an explanation of the adjustment procedure used are described in “Revisions in the Current Population Survey in January 1982,” in the February 1982 issue of *Employment and Earnings*. The revisions did not, however, smooth out the breaks in series occurring between 1972 and 1979, and data users should make allowances for them in making certain data comparisons.

Beginning in January 1985, the CPS estimation procedure was revised due to the implementation of a new sample design. A description of the changes and an indication of their effect on the national estimates of labor force characteristics appear in “Changes in the Estimation Procedure in the Current Population Survey Beginning in January 1985” in the February 1985 issue of *Employment and Earnings*. Overall, the revisions had only a slight effect on most estimates. The greatest impact was on estimates of persons of Hispanic origin, which were revised to the extent possible, back to January 1980.

Beginning in January 1986, the CPS estimation procedure was revised to reflect an explicit estimate of the number of undocumented immigrants (largely Hispanic) since 1980 and an improved estimate of the number of legal foreign-born emigrants for the same time period. The revisions had a comparatively small effect on the total population and labor force estimates, but their effect on the estimates of persons of Hispanic origin was more pronounced. As a result, data for Hispanics, to the extent possible, were again revised back to January 1980. An explanation of the changes and their effect on estimates of labor force characteristics appears in “Changes in the Estimation Procedure in the Current Population Survey Beginning in January 1986” in the February 1986 issue of *Employment and Earnings*.

Hours and earnings.—Average hourly earnings, based on establishment data, are gross earnings (i.e., earnings before payroll deductions) and include overtime premiums; they exclude irregular bonuses and value of payments in kind. Hours are those for which pay was received. Wages and salaries from the CPS consist of total monies received for work performed by an employee during the income year. It includes wages, salaries, commissions, tips, piece-rate payments, and cash bonuses earned before deductions were made for taxes, bonds, union dues, etc. Persons who worked 35 hours or more are classified as working full time (see table 629).

Industrial and occupational groups.—Establishments responding to the establishment survey are classified into industries on the basis of their principal product or activity (determined by annual sales volume) in accordance with the 1972 Standard Industrial Classification (SIC) Manual, Office of Management and Budget. The SIC is a classification structure for the entire national economy. The structure provides data on a division and industry code basis, according to the level of industrial detail. For example, manufacturing is a major industrial division, food and kindred products (code 20) is one of its major groups. One of the ways this group is further divided is into meat products (code 201) and meat packing plants (code 2011). Periodically, the SIC is revised to reflect changes in the industrial composition of the economy. (The 1987 SIC Manual will be implemented in 1989-90).

Industry data derived from the CPS beginning in January 1983 utilize the industrial classification developed for the 1980 Census of Population. CPS data from 1971 to 1982 were based on the 1970 census classification system. Both population census systems are developed from the SIC.

The 1970 system is based on the 1967 SIC, whereas, the 1980 system relates to the 1972 edition. Most of the industry categories were not affected by the change in classification.

The occupational classification system used in the 1980 census and in the CPS beginning in January 1983, evolved from the 1980 Standard Occupational Classification (SOC) system, first introduced in 1977. Occupational categories used in the 1980 census classification system are so radically different from the 1970 census system used in the CPS through 1982, that their implementation represented a break in historical data series. In cases where data have not yet been converted to the 1980 classifications and still reflect the 1970 classifications (e.g., table 669), comparisons between the two systems should not be made. To help users bridge the data gap, a limited set of estimates was developed for the 1972-1982 period based on the new classifications. The estimates were developed by means of applying conversion factors created by double coding a 20-percent sample of CPS occupational records for 6 months during 1981-82.—For further details, contact BLS.

Productivity—The Bureau of Labor Statistics (BLS) publishes data on productivity as measured by output per hour (labor productivity), output per combined unit of labor and capital input (multifactor productivity), and, for manufacturing industries, output per combined unit of capital, labor, energy, materials, and purchased service inputs. Labor productivity and related indexes are published for the business sector as a whole and its major subsectors: nonfarm business, manufacturing, nonfinancial corporations, 146 specific industries, and various functional areas of the Federal civilian government. Multifactor productivity and related measures are published for the private business sector and its major subsectors. Productivity indexes which take into account capital, labor, energy, materials, and service inputs are published for the 20 major 2-digit industry groups which comprise the manufacturing sector, and for the steel and motor vehicle industries. The major sector data are published in the BLS quarterly news release, *Productivity and Costs* and in the annual *Multifactor Productivity Measures* release. The specific industry productivity measures are published annually in the BLS Bulletin, *Productivity Measures for Selected Industries*, and the *Handbook of Labor Statistics*. Detailed information on methods, limitations, and data sources appears in the *BLS Handbook of Methods*, BLS Bulletin 2285 (1988), chapters 10 and 11.

Unions.—As defined here, unions include traditional labor unions and employee associations similar to labor unions. Data on union membership status provided by BLS are for employed wage and salary workers and relate to their principal job. Earnings by union membership status are usual weekly earnings of full-time wage and salary workers. The information is collected through the Current Population Survey. For a full description of the method of collection and comparability with earlier data, see "New Data on Union Members and Their Earnings" in the January 1985 issue of *Employment and Earnings*, and "Changing Employment Patterns of Organized Workers" in the February 1985 issue of the *Monthly Labor Review*. Collective bargaining settlements data are available for bargaining situations involving 1,000 or more workers in private industry and State and local government.

Recently, the *Union Sourcebook*, an annual publication by Leo Troy and Neil Shefflin of Rutgers University, has provided alternative estimates of union membership (see table 683). Due to differences in concept, method, scope, and reference period, BLS indicates a somewhat lower membership figure than does the *Sourcebook*. For example, BLS data are based on a sample survey and are subject to sampling error, while the *Sourcebook* data are figures covering all known labor organizations and are derived largely from financial reports of labor organizations. For a detailed discussion of the methodology used in the *Sourcebook* and differences with BLS data, see the *Sourcebook*.

Work stoppages.—Work stoppages include all strikes and lockouts known to BLS which last for at least one full day or shift and involve 1,000 or more workers. All stoppages, whether or not authorized by a union, legal or illegal, are counted. Excluded are work slowdowns and instances where employees report to work late, or leave early, to attend mass meetings or mass rallies.

Seasonal adjustment.—Many economic statistics reflect a regularly recurring seasonal movement which can be estimated on the basis of past experience. By eliminating that part of the change which can be ascribed to usual seasonal variation (e.g., climate or school openings and closings), it is possible to observe the cyclical and other nonseasonal movements in the series. However, in evaluating deviations from the seasonal pattern—that is, changes in a seasonally adjusted series—it is important to note that seasonal adjustment is merely an approximation based on past experience. Seasonally adjusted estimates have a broader margin of possible error than the original data on which they are based, since they are subject not only to sampling and other errors, but also are affected by the uncertainties of the adjustment process itself.

Statistical reliability.—For discussion of statistical collection, estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau and BLS data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

No. 620. EMPLOYMENT STATUS OF THE NONINSTITUTIONAL POPULATION 16 YEARS OLD AND OVER: 1960 TO 1987

(In thousands, except as indicated. Annual averages of monthly figures. Based on Current Population Survey; see text, section 1 and Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series D 11-19 and D 85-88)

YEAR	Noninstitutional population	LABOR FORCE								Not in labor force
		Number	Employed					Unemployed		
			Total	Resident Armed Forces	Civilian			Number	Percent of labor force ¹	
					Total	Agriculture	Non agriculture industries			
1960	106,164	63,377	60,087	1,169	58,918	7,160	51,758	3,298	5.2	42,787
1965	111,747	67,067	64,234	2,064	62,170	6,450	55,722	2,652	4.3	44,600
1970	119,106	71,489	67,639	1,861	65,778	5,458	60,318	3,652	5.4	47,617
1975	126,459	76,401	73,034	1,946	71,088	4,361	66,726	3,366	4.4	52,058
1976	139,203	84,889	80,796	2,116	78,679	3,463	75,216	4,093	4.8	54,315
1976	154,831	95,453	87,524	1,678	85,846	3,408	82,438	7,929	8.9	59,377
1976	157,818	97,626	90,420	1,868	88,552	3,331	85,221	7,406	7.6	59,991
1977	160,689	100,685	93,673	1,856	91,817	3,289	88,528	6,991	6.9	60,025
1978	163,541	103,882	97,679	1,831	96,048	3,387	92,661	6,202	6.0	59,659
1979	166,460	106,569	100,421	1,597	98,824	3,347	95,477	6,137	5.8	59,900
1980	169,349	108,544	100,907	1,604	99,303	3,364	95,939	7,637	7.0	60,806
1981	171,775	110,315	102,042	1,645	100,397	3,368	97,030	6,273	7.5	61,480
1982	173,939	111,872	101,194	1,668	99,526	3,401	96,125	10,678	9.5	62,067
1983	175,891	113,228	102,510	1,676	100,834	3,383	97,450	10,717	9.5	62,685
1984	178,080	115,241	106,702	1,697	105,005	3,321	101,684	8,539	7.4	62,839
1985	179,812	117,187	108,866	1,706	107,160	3,179	103,981	6,312	7.1	62,744
1986	182,293	119,540	111,303	1,708	109,595	3,183	106,412	6,287	6.9	62,752
1987	184,480	121,602	114,177	1,737	112,440	3,208	109,232	7,425	6.1	62,886
PERCENT DISTRIBUTION										
1960	100.0	59.7	56.6	1.1	55.5	6.7	48.8	3.1	(x)	40.3
1965	100.0	60.0	56.8	1.6	56.2	4.6	50.8	3.2	(x)	40.0
1970	100.0	61.0	58.0	1.5	56.5	2.5	54.0	2.9	(x)	39.0
1975	100.0	64.1	59.6	.8	56.6	2.0	56.7	4.5	(x)	35.9
1980	100.0	65.1	60.5	.9	59.8	1.8	57.8	4.6	(x)	34.9
1987	100.0	65.9	61.9	.9	60.9	1.7	59.2	4.0	(x)	34.1

X Not applicable. ¹ Unemployment as a percent of the labor force, including resident Armed Forces.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

No. 621. CIVILIAN LABOR FORCE AND PARTICIPATION RATES BY RACE, HISPANIC ORIGIN, SEX, AND AGE, 1970 TO 1987, AND PROJECTIONS, 1995 AND 2000

(For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. Rates are based on annual average civilian noninstitutional population of each specified group and represent proportion of each specified group in the civilian labor force. Based on Current Population Survey; see text, section 1 and Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series D 42-48)

RACE, SEX, AND AGE	CIVILIAN LABOR FORCE (millions)							PARTICIPATION RATE (percent)						
	1970	1975	1980	1985	1987	1995	2000	1970	1975	1980	1985	1987	1995	2000
Total ¹	62.8	65.8	106.9	115.5	121.6	131.6	136.6	60.4	61.2	63.8	64.6	65.8	67.2	67.8
White	73.6	82.8	93.6	99.9	103.3	111.7	116.7	60.2	61.5	64.1	65.0	65.8	67.5	68.2
Male	48.0	50.3	54.5	58.5	57.8	60.5	62.3	60.0	78.7	78.2	77.0	76.8	75.9	75.3
Female	27.6	32.5	39.1	41.4	45.5	51.2	54.4	42.6	45.9	51.2	54.1	55.7	59.7	61.5
Black ²	9.2	9.3	10.9	12.4	13.0	15.1	16.3	61.8	58.6	61.0	62.9	63.8	65.6	66.0
Male	5.2	5.0	5.6	6.2	6.6	7.4	7.9	76.5	71.0	70.6	70.9	71.1	71.4	70.7
Female	4.0	4.2	5.3	6.1	6.5	7.7	8.4	49.5	48.9	53.2	58.5	59.0	60.9	62.1
Hispanic ³	(NA)	(NA)	6.1	7.7	8.5	11.8	14.1	(NA)	(NA)	64.0	64.6	66.4	68.7	68.7
Male	(NA)	(NA)	3.8	4.7	5.2	7.0	8.3	(NA)	(NA)	61.4	60.3	61.0	60.9	60.4
Female	(NA)	(NA)	2.3	3.0	3.4	4.7	5.8	(NA)	(NA)	47.4	49.3	52.0	54.7	56.9
Male	51.2	58.3	61.5	64.4	66.2	70.4	73.1	79.7	77.9	77.4	78.3	79.2	75.3	74.7
16-19 years	4.0	4.6	5.0	4.1	4.1	4.0	4.5	58.1	59.1	60.5	58.8	56.1	58.5	60.2
16 and 17 years	1.8	2.1	2.1	1.7	1.7	1.7	1.9	47.0	48.6	50.1	45.1	45.6	47.4	48.7
18 and 19 years	2.2	2.7	2.9	2.5	2.4	2.3	2.6	69.7	70.6	71.3	68.9	67.4	70.7	72.2
20-24 years	5.7	7.6	8.6	8.3	7.8	6.9	7.0	63.3	64.5	65.9	65.0	65.2	66.6	67.5
25-34 years	11.3	14.2	17.0	18.9	19.7	18.4	18.9	66.4	65.2	65.2	64.7	64.6	63.9	63.6
35-44 years	10.5	10.4	11.8	14.6	15.6	19.4	20.1	66.9	65.8	66.5	66.0	64.6	64.1	63.9
45-54 years	10.4	10.4	9.9	9.9	10.2	13.7	16.3	64.3	62.1	61.2	61.0	60.7	60.6	60.1
55-64 years	7.1	7.0	7.2	7.1	6.9	6.4	7.2	63.0	75.8	72.1	67.9	67.6	64.0	63.2
65 years and over	2.2	1.9	1.9	1.8	1.9	1.6	1.4	28.8	21.6	19.0	15.9	16.3	11.9	6.9
Female	31.5	37.5	45.5	51.1	53.7	61.2	65.8	43.3	48.3	51.5	54.5	55.0	59.8	61.5
16-19 years	3.2	4.1	4.4	3.6	3.9	3.6	4.4	44.0	49.1	52.9	52.1	53.3	57.2	59.2
16 and 17 years	1.3	1.7	1.8	1.5	1.6	1.7	1.8	34.9	40.2	43.6	42.1	44.6	48.3	49.7
18 and 19 years	1.9	2.4	2.6	2.3	2.2	2.2	2.5	53.5	58.1	61.9	61.7	62.2	66.3	68.6
20-24 years	4.9	6.2	7.3	7.4	7.1	6.5	6.7	57.7	64.1	68.9	71.8	73.0	75.4	76.4
25-34 years	9.7	12.3	14.7	15.6	16.0	19.1	19.1	64.0	65.5	70.9	72.4	72.4	79.2	82.3
35-44 years	6.0	6.5	6.6	11.6	12.6	17.1	18.4	51.1	55.6	65.6	71.8	74.5	81.0	84.2
45-54 years	6.5	6.7	7.0	7.8	8.0	1.6	14.2	54.4	54.6	59.9	64.4	67.1	72.7	75.4
55-64 years	4.2	4.3	4.7	4.9	4.6	4.9	5.7	43.0	40.9	41.3	42.0	42.7	44.3	45.8
65 years and over	1.1	1.0	1.2	1.2	1.2	1.2	1.0	9.7	8.2	8.1	7.3	7.4	8.2	5.4

NA Not available. ¹ Beginning 1975, includes other races not shown separately. ² For 1970, Black and other

³ Hispanic persons may be of any race.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly. *Monthly Labor Review*, September 1987; and unpublished data.

NO. 622. EMPLOYMENT STATUS OF THE CIVILIAN NONINSTITUTIONAL POPULATION 16 YEARS OLD AND OVER BY SEX, RACE, AND HISPANIC ORIGIN: 1955 TO 1987

In thousands, except as indicated. Annual averages of monthly figures. Based on Current Population Survey, see text, section 1, and Appendix III for methodology. See also *Historical Statistics, Colonial Times to 1970*, Series D 11-19 and D 85-86.

YEAR, SEX, RACE, AND HISPANIC ORIGIN	Civilian noninstitutional population	CIVILIAN LABOR FORCE						NOT IN LABOR FORCE	
		Total	Percent of population	Employed	Employment/population ratio ¹	Unemployed		Number	Percent of population
						Number	Percent of labor force		
Total:²									
1955	109,883	66,023	59.3	62,170	56.7	2,852	4.4	44,880	40.7
1960	117,246	68,828	58.4	65,778	56.1	3,050	5.5	47,617	40.6
1965	126,513	74,455	58.9	71,088	56.2	3,366	4.5	52,058	41.1
1970	137,085	82,771	60.4	78,678	57.4	4,093	4.9	54,315	39.6
1975	153,153	93,775	61.2	85,848	56.1	7,926	8.5	59,377	38.8
1980	167,745	106,940	63.8	98,303	58.2	7,637	7.1	60,806	36.2
1981	170,130	108,670	63.9	100,387	58.0	8,273	7.6	61,480	36.1
1982	172,271	110,204	64.0	99,528	57.8	10,676	9.7	62,067	36.0
1983	174,215	111,580	64.0	100,834	57.9	10,747	9.6	62,885	36.0
1984	176,383	113,544	64.4	105,005	59.5	8,539	7.5	62,839	35.6
1985	178,206	115,461	64.8	107,150	60.1	8,312	7.2	62,744	35.2
1986	180,587	117,834	65.3	109,597	60.7	8,237	7.0	62,752	34.7
1987	182,753	119,885	65.6	112,440	61.5	7,425	6.2	62,886	34.4
Male:									
1955	52,108	44,475	85.4	42,821	81.8	1,654	4.2	7,834	14.7
1960	55,882	46,388	83.3	43,804	78.9	2,488	5.4	9,274	16.7
1965	59,782	48,255	80.7	46,340	77.5	1,914	4.0	11,527	19.3
1970	64,304	51,228	79.7	48,980	76.2	2,238	4.4	13,076	20.3
1975	72,291	58,288	77.9	51,857	71.7	4,442	7.9	15,983	22.1
1980	78,398	61,453	77.4	57,188	72.0	4,265	6.9	17,945	22.7
1981	80,511	61,974	77.0	57,387	71.3	4,577	7.4	18,537	23.0
1982	81,523	62,450	76.6	58,271	69.0	4,179	6.7	19,073	23.4
1983	82,531	63,047	76.4	58,787	68.8	4,260	6.8	19,484	23.6
1984	83,605	63,835	76.4	59,081	70.7	4,744	7.4	19,771	23.6
1985	84,488	64,411	76.3	59,891	70.9	4,521	7.0	20,058	23.7
1986	85,798	65,422	76.3	60,892	71.0	4,530	6.9	20,376	23.7
1987	86,889	66,207	76.2	62,107	71.5	4,101	6.2	20,882	23.8
Female:									
1955	57,574	20,548	35.7	19,551	34.0	998	4.8	37,026	64.3
1960	61,582	22,240	37.7	21,874	35.5	1,366	5.9	38,343	62.3
1965	66,731	26,200	39.3	24,748	37.1	1,452	5.5	40,531	60.7
1970	72,782	31,543	43.3	29,888	40.8	1,655	5.9	41,239	56.7
1975	80,880	37,475	46.3	33,988	42.0	3,486	9.3	43,386	53.7
1980	88,348	45,487	51.5	42,117	47.7	3,370	7.4	42,861	48.5
1981	89,816	46,898	52.1	43,000	48.0	3,898	7.9	42,922	47.8
1982	90,748	47,755	52.6	43,256	47.7	4,499	9.4	42,993	47.4
1983	91,884	48,503	52.9	44,047	48.0	4,457	9.2	43,181	47.1
1984	92,778	49,708	53.6	45,915	49.5	3,794	7.6	43,068	46.4
1985	93,738	51,050	54.5	47,259	50.4	3,791	7.4	42,886	45.5
1986	94,789	52,413	55.3	48,708	51.4	3,707	7.1	42,376	44.7
1987	95,853	53,858	56.0	50,324	52.5	3,524	6.2	42,195	44.0
White:									
1955	86,880	58,085	66.7	55,833	58.5	2,252	3.9	40,798	41.3
1960	105,282	61,915	58.8	58,850	55.9	3,065	5.0	43,367	41.1
1965	113,284	68,137	59.4	63,445	56.0	2,891	4.1	47,147	41.6
1970	122,174	73,558	60.2	70,217	57.5	3,339	4.5	48,618	39.8
1975	134,780	82,831	61.5	78,411	58.7	4,421	7.8	51,958	38.5
1980	148,122	93,800	64.1	87,715	60.0	5,884	6.3	52,522	35.9
1981	147,908	95,052	64.3	88,708	60.0	6,343	6.7	52,856	35.7
1982	149,441	96,143	64.3	87,903	58.8	8,241	8.6	53,298	35.7
1983	150,805	97,021	64.3	88,883	58.9	8,128	8.4	53,784	35.7
1984	152,347	98,492	64.8	92,120	60.5	6,372	6.5	53,855	35.4
1985	153,679	99,926	65.0	93,738	61.0	6,188	6.2	53,753	35.0
1986	155,432	101,801	65.5	95,880	61.5	5,921	5.8	53,831	34.5
1987	156,958	103,280	65.8	97,788	62.3	5,501	5.3	53,669	34.2
Black:									
1973	14,917	8,978	60.2	8,128	54.5	849	9.4	5,941	39.8
1975	15,751	9,283	58.9	7,894	50.1	1,389	14.8	6,488	41.2
1980	17,824	10,885	61.0	9,313	52.2	1,553	14.3	6,958	39.0
1981	18,219	11,088	60.8	9,365	51.3	1,731	15.8	7,133	39.2
1982	18,584	11,331	61.0	9,188	49.4	2,142	18.9	7,254	39.0
1983	18,925	11,647	61.5	9,375	49.5	2,272	19.9	7,278	38.5
1984	19,348	12,033	62.2	10,119	52.3	1,914	15.9	7,315	37.8
1985	19,684	12,384	62.9	10,501	53.4	1,884	15.1	7,299	37.1
1986	19,889	12,654	63.6	10,814	54.1	1,840	14.5	7,335	36.7
1987	20,352	12,993	63.8	11,308	55.6	1,684	13.0	7,359	36.2
Hispanic:³									
1980	9,598	6,148	64.0	5,527	57.6	620	10.1	3,452	36.0
1981	10,120	6,492	64.1	5,813	57.4	678	10.4	3,826	35.8
1982	10,580	6,734	63.6	5,805	54.9	929	13.8	3,846	36.4
1983	11,029	7,033	63.8	6,072	55.1	961	13.7	3,986	36.2
1984	11,478	7,451	64.9	6,651	57.9	800	10.7	4,027	35.1
1985	11,915	7,888	66.2	6,888	57.8	811	10.5	4,217	35.4
1986	12,344	8,076	65.4	7,219	58.5	857	10.6	4,288	34.8
1987	12,867	8,541	66.4	7,780	60.5	751	8.8	4,327	33.8

¹ Civilian employed as a percent of the civilian noninstitutional population.

² Hispanic persons may be of any race.

³ Includes other races, not shown separately.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

No. 623. CHARACTERISTICS OF THE CIVILIAN LABOR FORCE, BY STATE: 1967

[In thousands, except ratio and rate. For civilian noninstitutional population, 16 years old and over. Annual averages of monthly figures. U.S. totals derived by independent population controls; therefore State data may not add to U.S. totals. For composition of regions, see fig. 1, inside front cover.]

REGION, DIVISION AND STATE	TOTAL		EMPLOYED		Em- ployed/ popu- lation ratio ¹	UNEMPLOYED					PARTICIPA- TION RATE ²	
	Num- ber	Fe- male	Total	Fe- male		Total		Rate ²			Male	Fe- male
						Num- ber	Fe- male	Total	Male	Fe- male		
United States.....	119,885	63,888	113,440	59,334	61.5	7,435	3,234	6.3	6.3	6.3	75.2	86.0
Region:												
Northeast.....	24,824	11,187	23,805	10,722	61.0	1,120	475	4.5	4.7	4.2	74.9	54.1
Midwest.....	28,826	13,389	27,840	12,886	62.1	1,998	863	6.7	6.9	6.4	77.1	57.0
South.....	40,579	18,238	37,819	16,888	60.7	2,780	1,310	8.6	8.5	7.2	76.6	56.5
West.....	24,575	10,854	23,016	10,169	62.8	1,557	685	6.3	6.4	6.3	77.4	57.4
New England.....	6,329	3,157	6,091	3,082	66.2	238	105	3.3	3.4	3.3	76.6	60.0
Maine.....	587	282	581	248	62.5	28	13	4.4	3.8	5.1	75.8	68.0
New Hampshire.....	586	285	579	288	71.3	15	7	2.5	2.5	2.6	82.1	64.6
Vermont.....	296	137	285	131	65.9	11	8	3.6	3.2	4.1	79.5	64.0
Massachusetts.....	3,085	1,443	2,987	1,399	65.1	98	44	3.2	3.4	3.0	77.0	58.8
Rhode Island.....	519	248	500	236	65.5	20	10	3.8	3.7	3.9	76.7	60.5
Connecticut.....	1,752	815	1,685	789	67.6	58	28	3.3	3.4	3.2	79.8	61.4
Middle Atlantic.....	18,086	8,038	17,384	7,989	68.2	882	370	4.9	5.2	4.6	73.9	62.1
New York.....	8,482	3,784	8,071	3,817	58.7	412	187	4.9	5.2	4.4	73.5	61.4
New Jersey.....	3,885	1,757	3,598	1,684	63.4	160	74	4.0	3.9	4.2	77.5	55.8
Pennsylvania.....	5,848	2,489	5,226	2,389	57.4	350	130	5.7	6.0	5.2	72.0	50.7
East North Central.....	30,786	13,289	28,279	12,885	61.9	1,487	639	7.2	7.4	6.8	76.8	58.0
Ohio.....	5,248	2,324	4,881	2,169	68.8	307	135	7.0	7.2	6.7	76.0	54.0
Indiana.....	2,751	1,280	2,575	1,210	61.9	175	80	6.4	6.5	6.2	75.3	58.2
Illinois.....	5,753	2,557	5,330	2,384	61.0	423	173	7.4	7.8	6.8	77.2	55.8
Michigan.....	4,523	2,021	4,154	1,886	59.9	389	182	8.2	8.3	8.0	75.8	55.7
Wisconsin.....	2,491	1,107	2,239	1,045	64.7	152	62	6.1	6.5	5.6	79.0	59.4
West North Central.....	8,080	4,091	7,891	3,871	64.8	496	239	5.5	5.8	5.4	78.5	59.5
Minnesota.....	2,259	1,029	2,137	979	68.9	122	48	5.4	5.9	4.8	79.9	62.1
Iowa.....	1,448	645	1,389	609	64.0	80	36	5.5	5.4	5.6	78.0	58.2
Missouri.....	2,589	1,189	2,425	1,085	62.7	164	73	6.3	6.4	6.3	77.3	57.6
North Dakota.....	331	148	314	139	65.0	17	7	5.2	5.3	5.0	77.7	59.7
South Dakota.....	355	161	340	164	66.1	19	8	4.2	4.3	4.0	76.9	58.8
Nebraska.....	811	375	771	367	65.3	40	18	4.9	4.9	4.9	77.6	60.5
Kansas.....	1,267	589	1,205	540	65.5	62	30	4.9	4.7	5.2	79.6	59.6
South Atlantic.....	20,835	9,465	19,579	8,938	62.1	1,858	839	5.1	4.6	5.7	75.2	68.7
Delaware.....	331	154	321	149	65.6	10	5	3.2	3.0	3.4	77.1	58.4
Maryland.....	2,402	1,108	2,300	1,098	68.7	108	50	4.2	4.0	4.5	79.2	61.0
District of Columbia.....	333	170	312	159	65.3	21	11	6.3	6.3	6.3	75.0	65.3
Virginia.....	2,989	1,347	2,892	1,289	65.3	128	65	4.2	3.8	4.8	78.1	59.0
West Virginia.....	749	312	689	284	48.1	61	28	10.8	12.2	8.0	64.7	40.4
North Carolina.....	3,278	1,525	3,130	1,446	65.1	148	77	4.5	3.9	5.1	77.3	59.9
South Carolina.....	1,832	743	1,841	880	61.7	91	58	5.6	4.3	7.2	75.2	58.6
Georgia.....	3,083	1,411	2,895	1,315	63.3	167	85	5.5	4.4	6.8	77.9	57.6
Florida.....	5,870	2,889	5,556	2,638	59.9	312	165	5.3	5.0	5.8	71.4	54.1
East South Central.....	7,888	3,149	6,899	3,077	57.2	889	372	5.0	7.5	6.8	73.5	62.1
Kentucky.....	1,885	731	1,836	808	55.4	148	65	8.8	8.7	8.9	73.5	49.5
Tennessee.....	2,336	1,062	2,181	985	58.2	184	77	6.6	6.1	7.2	73.4	54.5
Alabama.....	1,893	849	1,749	774	57.5	147	74	7.8	7.0	8.7	74.3	52.1
Mississippi.....	1,151	508	1,034	493	55.1	117	56	10.2	9.5	11.0	72.6	51.3
West South Central.....	12,577	5,834	11,741	5,125	60.5	1,136	499	8.3	8.8	6.9	77.4	68.0
Arkansas.....	1,080	483	1,002	439	58.3	98	45	6.1	7.1	9.3	71.8	51.9
Louisiana.....	1,955	838	1,720	737	58.6	234	99	12.0	12.1	11.8	73.8	49.4
Oklahoma.....	1,564	699	1,449	683	60.3	115	48	7.4	8.0	6.5	75.3	55.8
Texas.....	8,295	3,805	7,657	3,295	62.9	887	396	8.4	8.3	8.6	79.6	58.4
Mountain.....	6,423	2,952	5,999	2,883	62.5	483	199	7.2	7.4	7.8	77.5	57.8
Montana.....	408	179	373	185	62.5	30	12	7.4	7.6	6.9	77.2	58.2
Idaho.....	471	201	438	184	61.1	38	17	8.0	7.6	8.3	76.7	58.3
Wyoming.....	240	105	219	97	62.5	21	8	8.8	8.2	7.8	78.7	59.0
Colorado.....	1,697	771	1,567	717	64.2	130	54	7.7	8.3	7.0	79.7	60.4
New Mexico.....	685	295	634	289	57.9	61	25	8.9	9.1	8.6	75.1	52.8
Arizona.....	1,614	714	1,513	689	60.2	101	45	6.2	6.2	6.4	75.0	54.3
Utah.....	757	339	708	311	65.2	48	21	6.4	6.3	6.5	79.9	59.9
Nevada.....	555	255	522	239	68.2	35	16	6.3	6.3	6.2	79.8	65.8
Pacific.....	18,182	8,062	17,058	7,516	62.9	1,694	486	6.8	6.0	6.1	77.3	57.2
Washington.....	2,254	1,022	2,083	940	61.4	171	83	7.6	7.1	8.1	75.1	58.3
Oregon.....	1,587	632	1,302	581	62.5	88	41	6.2	5.9	6.5	75.2	58.6
California.....	13,747	6,980	12,955	5,847	63.1	782	343	5.8	5.8	5.7	77.9	58.6
Alaska.....	249	114	222	109	64.4	27	11	10.8	11.7	8.6	80.4	64.3
Hawaii.....	514	244	485	236	64.8	20	8	3.9	4.3	3.3	75.3	60.4

¹Civilian employment as a percent of civilian noninstitutional population. ²Percent unemployed of the civilian labor force. Percent of civilian noninstitutional population of each specified group in the civilian labor force.

Source: U.S. Bureau of Labor Statistics, *Geographic Profile of Employment and Unemployment, 1967*.

No. 624. CIVILIAN LABOR FORCE—PERCENT DISTRIBUTION BY SEX AND AGE: 1960 TO 1987

[For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. Based on Current Population Survey; see text, section 1 and Appendix M. See *Historical Statistics, Colonial Times to 1970*, series D 29-41, for similar but not exactly comparable data.]

YEAR AND SEX	Civilian labor force (1,000)	PERCENT DISTRIBUTION						
		16-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65 yr and over
Total: 1960	60,628	7.0	9.8	20.7	23.4	21.3	13.5	4.8
1965	74,455	7.9	11.1	19.1	22.8	21.2	13.9	4.2
1970	82,771	8.8	12.8	20.6	19.9	20.5	13.8	3.9
1975	93,773	9.5	14.7	24.4	18.0	18.2	12.1	3.2
1980	108,940	8.8	14.9	27.3	19.1	15.9	11.2	2.8
1983	111,550	7.3	14.4	28.5	21.2	15.1	10.8	2.7
1984	113,544	7.0	14.1	28.9	22.0	15.0	10.5	2.8
1985	115,481	6.8	13.8	29.1	22.8	15.0	10.4	2.5
1986	117,834	6.7	13.1	29.4	23.1	15.1	10.1	2.8
1987	119,865	6.7	12.5	29.4	23.7	15.2	9.9	2.6
Male: 1960	46,399	6.0	8.9	22.1	23.8	20.8	13.8	4.9
1965	48,255	7.0	10.1	20.5	23.0	20.8	14.0	4.4
1970	51,228	7.8	11.2	22.1	20.4	20.3	13.9	4.2
1975	56,289	8.5	13.4	25.2	18.5	18.5	12.5	3.4
1980	61,453	8.1	14.0	27.6	19.3	16.1	11.8	3.1
1983	63,047	6.8	13.8	28.6	21.3	15.5	11.3	2.9
1984	63,835	6.5	13.5	28.0	22.0	15.3	11.0	2.7
1985	64,411	6.4	12.9	28.2	22.5	15.3	11.0	2.7
1986	65,422	6.3	12.5	29.6	23.0	15.3	10.8	2.8
1987	66,207	6.2	11.8	29.7	23.5	15.4	10.5	2.9
Female: 1960	23,240	8.8	11.1	17.8	22.8	22.7	12.8	3.9
1965	26,200	9.8	12.8	18.5	21.8	21.8	12.7	3.7
1970	31,543	10.3	15.5	18.1	19.8	20.7	13.2	3.3
1975	37,475	10.8	18.5	23.1	17.4	17.8	11.5	2.8
1980	45,487	9.8	16.1	26.9	19.0	15.4	10.4	2.6
1983	48,503	8.0	15.4	28.4	21.1	14.8	10.0	2.5
1984	49,708	7.7	15.0	28.8	21.9	14.5	9.9	2.4
1985	51,050	7.4	14.8	28.9	22.7	14.8	9.7	2.3
1986	52,413	7.3	13.9	29.0	23.3	14.9	9.4	2.3
1987	53,658	7.2	13.3	29.0	24.0	15.0	9.2	2.3

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

No. 625. CIVILIAN LABOR FORCE—EMPLOYMENT STATUS BY SEX, RACE, AND AGE: 1987

[For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. Based on Current Population Survey; see text, section 1 and Appendix M.]

AGE AND RACE	CIVILIAN LABOR FORCE			MALE (1,000)			FEMALE (1,000)			PERCENT OF LABOR FORCE			
	Total (1,000)	Percent by age		Total	Em- ployed	Un- em- ployed	Total	Em- ployed	Un- em- ployed	Employed		Unemployed	
		Male	Fe- male							Male	Fe- male	Male	Fe- male
All workers¹	119,865	100.0	100.0	66,207	62,187	4,101	53,658	50,304	3,354	93.8	93.8	6.2	6.2
16-19 years	7,988	6.2	7.2	4,112	3,391	732	3,875	3,280	616	82.2	84.1	17.8	15.9
20-24 years	14,977	11.6	13.3	7,837	7,058	779	7,140	6,488	674	90.1	90.8	9.9	9.4
25-34 years	26,223	28.7	29.0	19,858	18,487	1,169	15,577	14,817	800	94.1	93.8	5.9	6.2
35-44 years	29,480	23.5	24.0	15,587	14,888	899	12,873	12,291	582	95.8	95.4	4.4	4.6
45-54 years	18,210	15.4	15.0	10,178	9,750	428	8,034	7,737	298	95.8	96.3	4.2	3.7
55-64 years	11,877	10.5	9.2	6,840	6,682	258	4,937	4,783	155	96.3	96.9	3.7	3.1
65 years and over	2,118	2.8	2.3	1,888	1,850	40	1,221	1,191	30	97.4	97.5	2.6	2.5
White	105,389	100.0	100.0	67,779	64,847	3,132	45,618	43,142	2,389	94.8	94.8	5.4	5.3
16-19 years	6,889	6.1	7.4	3,547	2,989	548	3,347	2,800	447	84.8	86.6	15.4	13.4
20-24 years	12,764	11.6	13.3	6,717	6,150	568	6,047	5,588	449	91.5	92.8	8.5	7.4
25-34 years	26,898	29.4	29.5	16,983	16,084	879	12,983	12,345	648	94.8	95.0	5.2	5.0
35-44 years	24,591	23.7	24.0	13,874	13,138	538	10,907	10,469	448	96.1	96.8	3.9	4.1
45-54 years	16,782	15.5	15.0	8,945	8,588	357	6,847	6,620	227	96.1	96.7	3.9	3.3
55-64 years	10,487	10.7	9.4	6,200	5,991	209	4,297	4,172	124	96.8	97.1	3.4	2.9
65 years and over	2,806	3.0	2.4	1,733	1,680	43	1,073	1,047	26	97.5	97.6	2.6	2.3
Black	12,889	100.0	100.0	6,488	5,881	838	6,887	6,488	898	97.3	93.8	12.7	13.2
16-19 years	980	7.1	6.7	483	304	180	435	283	152	85.5	85.1	34.5	34.9
20-24 years	1,818	14.1	13.9	814	729	188	804	683	211	79.7	78.7	20.3	21.3
25-34 years	4,147	22.0	31.8	2,074	1,821	253	2,073	1,783	290	87.9	88.5	12.2	13.5
35-44 years	2,842	21.7	23.8	1,408	1,283	122	1,537	1,412	125	91.3	91.8	8.7	8.1
45-54 years	1,888	14.1	14.2	815	853	81	934	880	83	93.3	93.2	6.7	6.8
55-64 years	1,886	9.0	7.9	588	547	28	512	488	23	92.3	95.5	6.7	4.5
65 years and over	251	2.0	1.8	130	124	6	121	117	4	95.4	98.7	4.6	3.3

¹ Includes other workers not shown separately.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

No. 626. EMPLOYED CIVILIANS AND WEEKLY HOURS BY SELECTED CHARACTERISTICS: 1970 TO 1987

[In thousands except as indicated. For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. Based on Current Population Survey; see text, section 1 and Appendix II]

AGE, SEX, AND MARITAL STATUS	1970	1975	1980	1982	1983	1984	1985	1986	1987
Total employed	78,879	85,848	98,809	98,526	100,834	108,005	107,180	108,597	112,440
Age:									
16-19 years	8,144	7,104	7,710	6,549	6,342	6,444	6,434	6,472	6,840
20-24 years	8,731	11,866	14,067	13,080	13,722	14,207	13,980	13,790	13,524
25-34 years	16,318	21,067	27,204	28,149	28,756	30,348	31,206	32,201	33,105
35-44 years	15,822	15,953	19,523	20,679	21,950	23,598	24,732	25,861	27,179
45-54 years	16,473	18,190	18,234	18,923	15,812	16,178	16,509	16,949	17,487
55-64 years	10,974	10,827	11,588	11,414	11,315	11,100	11,474	11,100	11,485
65 years and over	3,118	2,801	2,980	2,923	2,927	2,835	2,813	2,919	3,041
Sex:									
Male	48,980	51,857	57,188	58,271	58,787	59,081	59,881	60,892	62,107
Female	29,898	33,990	42,117	43,255	44,047	45,915	47,299	48,705	50,334
Marital status:									
Married, spouse present	55,554	58,037	62,536	62,127	62,570	64,892	65,584	66,802	68,372
Single (never married)	18,039	18,256	24,082	24,089	24,779	24,143	23,780	27,476	28,355
Widowed, divorced, separated	5,067	9,552	12,888	13,330	13,483	14,170	14,789	15,316	15,713
Class of worker:									
Nonagriculture	75,215	82,435	95,938	96,125	97,450	101,885	102,971	106,434	108,232
Wage and salary worker	69,491	76,249	88,525	88,452	89,800	93,595	95,671	98,299	100,771
Self-employed	5,221	5,705	7,000	7,282	7,575	7,768	7,811	7,881	8,201
Unpaid family workers	502	480	413	401	375	335	289	255	260
Agriculture	3,459	3,408	3,364	3,401	3,383	3,321	3,179	3,163	3,208
Wage and salary worker	1,154	1,301	1,425	1,505	1,578	1,555	1,535	1,547	1,632
Self-employed	1,810	1,722	1,842	1,835	1,585	1,563	1,458	1,447	1,423
Unpaid family workers	495	385	297	261	240	213	185	169	153
Weekly hours:									
Nonagriculture									
Wage and salary workers	38.3	38.1	38.1	37.8	37.8	38.4	38.7	38.8	38.7
Self-employed	45.0	42.3	41.2	39.8	40.0	40.8	41.1	41.2	41.0
Unpaid family workers	37.9	38.3	34.7	34.7	34.8	35.1	35.1	35.5	36.3
Agriculture									
Wage and salary workers	40.0	40.8	41.5	40.3	40.3	41.1	40.8	40.9	40.6
Self-employed	51.0	48.7	49.3	48.3	47.4	48.1	48.2	48.4	47.8
Unpaid family workers	40.0	39.8	38.8	38.8	38.6	38.9	38.5	38.7	39.9

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, and unpublished data.

No. 627. SELF-EMPLOYED WORKERS BY SELECTED CHARACTERISTICS: 1970 TO 1987

[In thousands. For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. Based on Current Population Survey; see text, section 1, and Appendix II]

ITEM	1970	1975	1980	1983	1984	1985	1986	1987
Total self-employed	7,031	7,427	8,842	8,140	8,178	8,338	8,328	8,634
Age:								
16-19 years old	81	136	131	127	125	115	88	94
20-24 years old	223	337	432	434	462	401	366	363
25-34 years old	1,000	1,390	1,814	2,183	2,217	2,217	2,227	2,238
35-44 years old	1,431	1,502	2,026	2,261	2,407	2,472	2,532	2,584
45-54 years old	1,816	1,789	1,832	1,819	1,844	1,842	1,859	1,908
55-64 years old	1,589	1,487	1,530	1,525	1,517	1,513	1,492	1,540
65 years old and over	911	807	776	790	754	710	750	775
Sex:								
Men	5,054	5,822	6,362	6,491	6,599	6,451	6,498	6,617
Women	1,977	1,604	2,281	2,649	2,799	2,817	2,830	3,007
Race:								
White	6,827	7,012	8,116	6,581	6,736	6,859	6,706	6,958
Black	(NA)	293	342	345	365	379	360	403
Industry:								
Agriculture	1,810	1,722	1,842	1,553	1,458	1,447	1,423	
Nonagriculture	5,221	5,705	7,000	7,575	7,765	7,811	7,881	8,201
Mining	14	16	28	29	26	20	25	27
Construction	687	839	1,173	1,158	1,235	1,301	1,369	1,384
Manufacturing	264	273	358	371	360	347	371	354
Transportation and public utilities	196	223	282	322	318	315	318	325
Trade	1,067	1,709	1,899	1,932	1,920	1,792	1,767	1,841
Finance, insurance, and real estate	264	335	458	532	544	556	558	597
Services	2,140	2,310	2,804	3,233	3,383	3,477	3,455	3,663
Occupation:								
Managerial and professional specialty	(NA)	(NA)	(NA)	2,437	2,531	2,585	2,554	2,714
Technical, sales, and administrative support	(NA)	(NA)	(NA)	2,114	2,132	2,059	2,092	2,136
Service occupations	(NA)	(NA)	(NA)	887	939	980	998	1,056
Precision production, craft, and repair	(NA)	(NA)	(NA)	1,526	1,602	1,611	1,551	1,680
Operators, fabricators, and laborers	(NA)	(NA)	(NA)	589	584	584	578	586
Farming, forestry, and fishing	(NA)	(NA)	(NA)	1,580	1,551	1,485	1,458	1,436

NA Not available.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, and unpublished data.

NO. 626. PERSONS WITH A JOB BUT NOT AT WORK: 1970 TO 1987

(In thousands, except percent. For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. Based on Current Population Survey; see text, section 1 and Appendix III. See *Historical Statistics, Colonial Times to 1970*, series D 116-126, for related but not comparable data.)

REASON FOR NOT WORKING	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987	Total	Male	Female
All industries, number	4,846	5,221	5,747	5,882	5,789	5,712	5,883	5,875	5,789	5,761	5,910	2,840	2,840	3,071
Percent of employed	6.9	8.1	8.9	8.9	8.8	8.7	8.5	8.3	8.4	8.2	8.3	6.8	6.8	8.1
Reason for not working: Vacation	2,341	2,815	3,191	3,320	3,247	3,159	3,090	3,147	3,336	3,224	3,421	1,808	1,808	1,613
Illness	1,324	1,343	1,420	1,425	1,413	1,331	1,291	1,322	1,308	1,292	1,320	686	686	622
Bad weather	129	139	198	155	112	202	124	118	141	128	92	85	85	7
Industrial dispute	159	95	129	105	84	36	91	40	42	58	34	25	25	10
All other	895	829	816	676	953	982	947	980	1,030	1,043	1,043	429	429	618

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

NO. 629. EMPLOYED AND UNEMPLOYED WORKERS BY WORK SCHEDULES, SEX, AND AGE: 1976 TO 1987

(In thousands. See headnote, table 630)

CHARACTERISTIC	EMPLOYED				CHARACTERISTIC	UNEMPLOYED			
	1976	1980	1986	1987		1976	1980	1986	1987
Total	98,752	98,309	107,180	112,440	Total	7,406	7,536	6,512	7,438
Full-time ¹	73,964	82,562	88,536	92,957	Looking for full-time work	5,974	6,289	6,793	5,979
Male	48,150	51,717	53,862	55,746	Male	3,421	3,703	3,926	3,520
16-19 years old	1,974	2,017	1,437	1,365	16-19 years old	551	537	446	373
20-24 years old	6,002	6,533	6,078	5,871	20-24 years old	856	984	857	696
25-54 years old	32,873	35,844	39,207	41,400	25-54 years old	1,865	1,923	2,329	2,201
55 years and over	7,298	7,521	7,139	7,110	55 years and over	320	290	292	252
Female	25,814	30,848	34,672	37,210	Female	2,553	2,584	2,868	2,458
16-19 years old	1,409	1,458	1,089	1,089	16-19 years old	448	430	331	280
20-24 years old	4,435	5,008	4,903	4,810	20-24 years old	649	636	636	536
25-54 years old	18,405	20,385	24,838	27,354	25-54 years old	1,288	1,363	1,727	1,523
55 years and over	3,565	3,897	3,852	3,856	55 years and over	186	136	173	120
Part-time ¹	14,788	16,740	18,615	19,483	Looking for part-time work	1,432	1,309	1,519	1,446
Male	4,986	5,471	6,028	6,380	Male	915	888	588	580
16-19 years old	1,973	2,088	1,891	2,015	16-19 years old	367	377	380	358
20-24 years old	913	988	1,261	1,187	20-24 years old	94	81	87	84
25-54 years old	948	1,082	1,588	1,736	25-54 years old	63	54	79	82
55 years and over	1,157	1,314	1,308	1,422	55 years and over	71	52	70	55
Female	9,799	11,271	12,587	13,104	Female	518	421	923	866
16-19 years old	1,981	2,169	2,036	2,171	16-19 years old	333	326	330	336
20-24 years old	1,219	1,458	1,738	1,838	20-24 years old	115	124	159	139
25-54 years old	4,961	5,827	6,837	7,281	25-54 years old	291	299	358	327
55 years and over	1,838	1,815	1,876	2,018	55 years and over	79	57	75	64

¹ Full-time workers include employed persons on full-time (35 hours or more per week) schedules and those working part-time (between 1 and 34 hours) for economic reasons who usually work full-time. Part-time workers include employed persons working part-time voluntarily and those working part-time for economic reasons, who usually work part-time. Employed persons with a job but not at work are distributed according to whether they usually work full- or part-time.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly; Bulletin 2307; and unpublished data.

NO. 630. HISPANIC PERSONS—CIVILIAN LABOR FORCE PARTICIPATION: 1986 AND 1987

(For civilian noninstitutional population, 16 years old and over. Annual averages of monthly figures. Based on Current Population Survey; see text, section 1 and Appendix III)

ITEM	1986					1987				
	Total	Mexican	Puerto Rican	Cuban	Other Hispanic origin ¹	Total	Mexican	Puerto Rican	Cuban	Other Hispanic origin ¹
Total (1,000)	12,944	7,377	1,494	842	2,631	12,867	7,861	1,548	919	2,657
Percent in labor force: Male	81.0	82.7	73.5	78.4	90.6	81.0	82.7	72.3	77.8	81.4
Female	50.1	50.5	38.1	56.9	54.3	52.0	52.4	39.3	55.8	57.1
Employed (1,000)	7,219	4,367	881	533	1,888	7,780	4,880	744	518	1,838
Percent	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional	12.8	10.5	14.2	18.9	16.1	13.1	10.8	14.1	22.2	15.5
Tech., sales, and admin. support	25.1	23.0	28.5	33.6	26.1	25.9	22.8	28.4	34.8	27.3
Service	18.0	17.3	18.1	13.0	21.0	17.8	16.8	17.7	11.8	20.8
Farming, forestry, and fishing occupations	5.0	7.1	1.9	1.5	1.7	5.9	8.6	1.3	1.2	2.3
Precision production, craft, and repair	14.3	15.4	12.0	13.1	12.3	13.9	14.7	12.8	13.0	12.7
Operators, laborers, and laborers	24.9	28.7	23.0	18.9	22.8	24.3	28.1	24.8	17.9	21.8
Percent unemployed: Male	10.8	11.0	13.4	8.5	8.1	8.7	8.5	10.4	6.1	6.7
Female	10.8	11.7	15.0	6.3	8.2	8.9	10.4	9.8	6.3	8.0

¹ Includes Central or South American and other Hispanic origin.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

No. 631. WORKERS ON FLEXIBLE SCHEDULES, BY SELECTED CHARACTERISTICS: 1985

[In thousands, except percent. As of May. For full-time wage and salary workers. See headnote, table 629]

CHARACTERISTIC	ALL WORKERS			WITH FLEXIBLE SCHEDULES			PERCENT OF ALL WORKERS		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total	73,386	43,779	29,610	8,061	5,780	3,280	12.3	13.2	11.1
Marital status and presence of youngest child:									
Single	16,812	9,703	7,109	2,123	1,232	891	12.6	12.7	12.5
With no children under 18	16,264	9,605	6,659	2,055	1,216	839	12.6	12.7	12.6
With own children: under 6	301	66	213	26	10	16	8.6	11.4	7.5
Between 6 and 13 years old	182	8	166	29	1	28	15.1	16.7	15.1
Between 14 and 17 years old	55	4	51	13	3	10	23.8	75.0	18.0
Married, spouse present	45,345	28,088	15,879	5,483	3,808	1,615	12.1	13.0	10.3
With no children under 18	19,413	11,567	7,846	2,311	1,531	780	11.9	13.2	8.9
With own children: under 6	12,093	6,927	5,166	1,456	1,130	326	12.1	12.7	10.4
Between 6 and 13 years old	9,361	5,299	3,062	1,164	814	350	12.4	12.9	11.3
Between 14 and 17 years old	4,449	2,873	1,576	547	392	155	12.3	13.8	9.8
Other marital status	11,236	4,410	6,826	1,455	661	794	12.9	15.0	11.6
With no children under 18	5,252	3,895	4,367	1,125	586	537	13.6	15.1	12.3
With own children: under 6	673	120	553	62	9	53	9.2	7.6	9.6
Between 6 and 13 years old	1,418	224	1,194	173	38	135	12.2	17.0	11.3
Between 14 and 17 years old	686	171	724	94	25	69	10.5	14.8	8.5
Occupation:									
Managerial and professional	18,944	10,898	8,046	3,448	2,340	1,108	18.2	21.5	13.8
Technical, sales, administrative	21,961	13,346	13,615	3,215	1,540	1,675	14.6	16.5	12.3
Service occupations	7,268	3,552	3,717	819	302	517	8.5	8.5	8.5
Precision production, craft, and repair	10,477	9,670	807	717	668	49	6.8	6.8	7.3
Operators, fabricators, and laborers	13,326	10,073	3,253	847	728	120	6.4	7.2	3.7
Farming, forestry, and fisheries	1,418	1,243	175	214	192	22	15.1	15.4	12.8
Industry:									
Private sector	60,127	36,095	23,132	7,559	4,904	2,655	12.6	13.3	11.5
Goods producing ¹	24,826	16,354	8,272	2,420	1,892	528	9.8	10.3	8.4
Service producing	35,500	19,641	16,060	5,139	3,011	2,128	14.5	16.2	12.6
Public sector	13,258	8,784	5,484	1,501	857	644	11.3	12.6	9.9
Federal government	2,901	1,794	1,107	580	340	240	20.0	19.0	21.7
State government	3,320	1,845	1,475	537	292	245	16.2	17.8	14.8
Local government	7,047	3,345	3,702	384	225	160	5.4	6.7	4.3

¹ Includes agriculture, mining, construction, and manufacturing.

No. 632. WORK SCHEDULES OF FULL-TIME WAGE AND SALARY WORKERS, BY MARITAL STATUS AND PRESENCE OF YOUNGEST CHILD, OCCUPATION, AND INDUSTRY: 1985

[In thousands, except percent. As of May. See headnote, table 629]

CHARACTERISTIC	Total employed	WORK SCHEDULES—PERCENT DISTRIBUTION					
		Regular daytime schedule	Shift workers				
			Total	Evening	Night	Rotating	Other
Total	73,386	84.1	15.9	9.3	2.7	4.3	2.6
Husbands	29,201	83.0	16.4	5.7	2.7	5.1	3.0
With children under 18	16,101	82.9	17.1	5.9	3.0	5.2	3.0
Without children under 18	11,099	84.6	15.4	5.5	2.2	4.8	2.9
Wives	15,432	80.0	10.0	4.2	1.5	2.3	1.5
With children under 18	7,831	89.3	10.7	4.9	2.1	2.3	1.4
Youngest under 6	3,164	88.1	11.9	6.0	2.0	2.4	1.4
Youngest 6 to 13	3,082	89.8	10.2	4.1	2.8	1.9	1.5
Youngest 14 to 17	1,576	90.4	9.6	4.5	1.3	2.8	1.0
Without children under 18	7,801	80.6	19.2	3.5	1.6	2.4	1.8
Women who maintain families	4,334	83.7	16.3	7.3	3.3	3.9	1.8
With children under 18	2,921	83.5	16.5	7.3	3.1	4.2	1.7
Youngest under 6	766	80.2	19.8	10.4	2.9	5.4	1.0
Youngest 6 to 13	1,380	85.7	14.3	6.2	3.3	2.9	2.0
Youngest 14 to 17	774	83.1	17.1	6.3	3.2	5.6	1.9
Without children under 18	1,413	84.0	16.1	7.4	3.5	3.3	1.8
Men who maintain families	1,273	80.6	19.2	7.7	3.4	6.0	2.2
With children under 18	814	81.3	18.7	7.5	3.3	5.7	2.1
Without children under 18	559	80.4	19.6	7.9	3.5	6.1	2.0
Other persons in families	8,541	80.2	19.8	6.7	3.7	4.8	2.6
Persons living alone	8,192	82.5	17.5	7.0	2.9	4.2	3.3
Persons living with nonrelatives	5,422	81.0	19.0	8.8	2.5	4.7	3.1
Occupation:							
Managerial and professional	18,944	81.4	8.6	2.0	1.2	2.7	2.7
Technical, sales, administrative	21,961	88.3	11.7	4.2	2.1	3.5	1.8
Service occupations	7,268	81.6	38.4	18.9	6.1	8.7	6.7
Precision production, craft, and repair	10,477	87.0	13.0	6.3	2.2	3.7	.8
Operators, fabricators, and laborers	13,326	76.3	23.7	10.5	4.6	6.2	2.4
Farming, forestry, and fisheries	1,418	59.8	10.1	1.5	1.4	.7	5.5
Industry: Private sector	60,127	83.5	16.5	8.8	2.9	4.4	2.7
Goods producing	24,826	85.0	15.0	7.4	2.6	3.9	1.1
Service producing	35,500	82.4	17.6	6.1	3.0	4.8	3.7
Public sector	13,258	87.2	12.8	4.6	2.0	3.7	2.5
Federal government	2,901	86.2	13.8	6.1	3.4	2.8	1.4
State government	3,320	88.2	11.8	4.3	2.3	3.0	2.2
Local government	7,047	87.1	12.9	4.2	1.3	4.5	2.9

¹ Includes agriculture, mining, construction, and manufacturing.Source of tables 631 and 632: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, November 1986, and unpublished data.

No. 628. MULTIPLE JOBHOLDERS—SELECTED CHARACTERISTICS: 1985

[As of May. Multiple jobholders are employed persons who, either 1) had jobs as wage or salary workers with two employers or more; 2) were self-employed and also held a wage and salary job; or 3) were unpaid family workers on their primary jobs but also held wage and salary job. Based on the Current Population Survey, see text, section 1, and Appendix III]

CHARACTERISTIC	EMPLOYED (1,000)			MULTIPLE JOBHOLDERS						
	Total	Male	Female	Number (1,000)			Average weekly hours		Median weekly earnings ¹ (dol.)	
				Total	Male	Female	All jobs	Sec-ondary job	All jobs	Sec-ondary job
Total.....	108,878	60,015	48,864	5,730	3,537	2,193	51.3	14.2	\$343	\$70
Age:										
16 to 19 years old.....	6,200	3,370	2,919	289	134	155	34.0	11.4	119	42
20 to 24 years old.....	13,857	7,345	6,512	777	436	340	48.9	14.1	245	65
25 to 34 years old.....	31,246	17,641	13,605	1,771	1,090	682	52.6	14.7	340	75
35 to 44 years old.....	24,446	13,698	10,748	1,522	967	555	53.7	15.1	477	76
45 to 54 years old.....	16,892	9,526	7,156	647	366	280	52.9	13.5	510	73
55 to 64 years old.....	11,545	6,739	4,806	433	294	139	51.8	13.5	484	71
65 years old and over.....	2,813	1,696	1,117	90	59	31	42.3	10.7	152	45
Race and Hispanic origin:										
White.....	98,555	53,222	40,333	5,286	3,291	1,995	51.1	14.0	344	69
Black.....	10,416	5,240	5,176	336	167	151	53.8	16.8	305	81
Hispanic origin ²	6,489	3,984	2,505	194	125	69	51.1	15.1	355	86
Marital status:										
Single.....	26,167	14,768	11,399	1,448	767	681	(NA)	(NA)	(NA)	(NA)
Married, spouse present.....	65,443	39,444	25,999	3,448	2,447	1,001	(NA)	(NA)	(NA)	(NA)
Other.....	15,266	5,803	9,465	634	323	510	(NA)	(NA)	(NA)	(NA)
Class of worker—primary job:										
Agriculture.....	3,524	2,637	887	186	151	35	53.2	16.2	(NA)	70
Wage and salary worker.....	1,731	1,391	340	103	63	21	58.6	15.3	226	76
Self-employed.....	1,582	1,376	206	74	65	9	51.3	22.0	(NA)	65
Unpaid family worker.....	211	70	140	6	4	4	36.9	23.3	(NA)	(NA)
Nonagriculture.....	103,354	57,177	46,177	5,544	3,386	2,158	51.2	14.1	(NA)	69
Wage and salary worker.....	95,379	52,006	43,372	5,286	3,230	2,056	51.7	14.1	376	69
Self-employed.....	7,984	5,134	2,851	269	151	118	42.4	14.0	(NA)	76
Unpaid family worker.....	290	38	244	9	5	4	41.7	20.6	(NA)	(NA)

NA Not available. ¹ Data on wage and salary earnings only were collected for the primary job. Data on earnings from all sources were collected for the secondary job. ² Hispanic persons may be of any race.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, November 1986, and unpublished data.

No. 634. SELECTED WORKLIFE INDICES BY SEX, RACE, AND EDUCATIONAL ATTAINMENT: 1979-1980

[In years, except percent. For the civilian noninstitutional population. For methodological details, see source]

INDEX AND AGE	MALE						FEMALE					
	Total	Race		Educational attainment			Total	Race		Educational attainment		
		White	Black and other	Less than high school	High school to 14 years	15 years or more		White	Black and other	Less than high school	High school to 14 years	15 years or more
Life expectancy:												
At birth.....	70.0	70.7	65.3	70.0	70.0	70.0	77.6	78.3	73.9	77.6	77.6	77.6
At age 25.....	47.3	47.9	43.3	47.3	47.3	47.3	54.2	54.7	51.0	54.2	54.2	54.2
At age 60.....	17.5	17.8	16.5	17.5	17.5	17.5	22.4	22.6	21.0	22.4	22.4	22.4
At age 65.....	14.2	14.3	13.8	14.2	14.2	14.2	18.5	18.7	17.7	18.5	18.5	18.5
Worklife expectancy:												
At birth.....	36.9	36.9	32.9	34.6	39.3	41.1	28.4	29.7	27.4	22.3	30.1	34.9
At age 25.....	33.1	33.8	28.6	29.2	33.8	36.1	24.0	24.1	23.5	17.9	24.4	27.9
At age 60.....	4.4	4.5	3.3	3.3	4.7	8.3	3.0	3.0	3.0	2.3	3.3	3.5
At age 65.....	2.3	2.3	1.8	1.6	2.4	3.6	1.5	1.5	1.5	1.2	1.6	1.8
Percent of life economically active: ¹												
From birth.....	55.4	56.3	50.4	49.4	57.0	56.7	37.9	37.9	37.1	28.7	38.8	45.0
From age 25.....	70.0	70.6	66.1	61.7	71.5	76.3	44.3	44.1	46.1	33.0	45.0	51.5
From age 60.....	25.1	25.6	20.0	18.9	26.9	36.0	13.4	13.3	14.3	10.3	14.7	15.6
From age 65.....	16.2	16.1	13.0	12.7	18.9	25.4	8.1	8.0	9.5	6.5	9.7	9.7
Number of times person enters labor force per:												
Person born.....	3.9	3.9	4.3	4.3	3.7	4.6	5.5	5.6	5.4	5.6	5.6	5.6
Person age 25.....	1.5	1.5	1.8	2.0	1.5	1.4	3.0	3.0	3.1	3.3	3.2	2.7
Expected duration per entry remaining: ²												
From birth.....	8.9	10.2	7.7	6.0	10.3	8.9	5.3	5.3	5.1	3.8	5.4	6.2
From age 25.....	22.1	22.5	15.9	14.6	22.5	25.6	8.0	8.0	7.6	5.4	7.6	10.3
Number of times person voluntarily leaves labor force:												
From birth.....	3.8	3.8	3.8	4.0	3.8	4.8	5.4	5.5	5.4	5.7	5.7	4.7
From age 25.....	2.3	2.3	2.4	2.7	2.3	2.2	3.8	3.8	3.7	3.8	4.0	3.8

¹ Ratio of worklife expectancy to life expectancy. ² Worklife expectancy divided by number of times person enters labor force.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, August 1986.

No. 635. CIVILIAN LABOR FORCE—YEARS OF SCHOOL COMPLETED, BY SEX AND RACE: 1988

[As of March. For civilian noninstitutional population 25–64 years of age. Based on Current Population Survey; see text, section 1 and Appendix III]

EMPLOYMENT STATUS, SEX, AND RACE	Popula- tion, 25– 64 years old (1,000)	PERCENT DISTRIBUTION BY SCHOOL YEARS COMPLETED							
		Elementary school			High school		College		
		0–4 years	5–7 years	8 years	1–3 years	4 years	1–3 years	4 years	5 years or more
Total ¹	122,388	1.7	3.0	3.1	10.9	40.2	15.5	13.1	9.4
Civilian labor force	94,871	1.1	2.1	2.3	9.2	39.9	19.7	14.7	11.0
Employed.....	90,393	1.0	2.0	2.2	8.7	39.6	19.9	15.1	11.4
Unemployed.....	4,477	2.0	4.9	3.8	19.7	45.9	15.3	6.7	2.9
Not in labor force.....	27,517	3.9	5.9	6.9	18.6	41.3	14.4	7.4	4.2
Male, total.....	59,401	1.6	3.3	3.2	10.7	36.9	17.9	14.4	11.7
Civilian labor force	52,616	1.3	2.7	2.7	9.6	37.3	16.5	15.3	12.4
Employed.....	49,916	1.2	2.5	2.6	9.3	36.9	16.7	15.6	13.0
Unemployed.....	2,699	2.6	5.7	4.3	19.3	45.0	14.2	6.6	2.4
Not in labor force.....	6,785	5.6	5.2	7.4	18.0	34.0	13.8	7.3	5.5
Female, total.....	62,987	1.8	2.7	3.0	11.0	43.4	19.0	11.9	7.3
Civilian labor force	42,255	.8	1.5	1.8	8.4	43.3	21.2	14.0	9.1
Employed.....	40,475	.8	1.4	1.7	9.0	43.1	21.3	14.3	9.3
Unemployed.....	1,779	1.1	3.4	2.9	17.7	47.3	17.2	6.9	3.5
Not in labor force.....	20,731	3.2	5.2	5.6	16.4	43.7	14.6	7.5	3.7
White, total.....	104,389	1.5	2.7	3.0	10.0	40.7	18.7	13.5	9.8
Civilian labor force	61,867	1.0	2.0	2.3	9.5	40.1	19.7	15.0	11.4
Employed.....	78,589	1.0	1.9	2.2	8.1	39.8	16.9	15.3	11.7
Unemployed.....	3,267	2.2	4.6	4.2	17.7	45.6	15.9	7.5	2.3
Not in labor force.....	23,000	3.3	5.3	5.9	15.3	42.9	15.2	7.8	4.2
Black, total.....	13,439	2.2	4.9	3.8	18.9	41.0	18.7	7.7	4.7
Civilian labor force	9,984	1.1	3.2	2.6	15.5	43.0	18.2	9.5	5.7
Employed.....	8,984	1.2	3.0	2.6	14.5	42.4	19.6	10.2	6.1
Unemployed.....	1,001	.8	5.5	2.6	24.1	46.1	14.2	2.6	2.1
Not in labor force.....	3,455	5.2	9.7	7.3	26.6	35.3	9.2	2.7	1.9

¹ Includes other races, not shown separately.
Source: U.S. Bureau of Labor Statistics, unpublished data.

No. 630. SCHOOL ENROLLMENT AND LABOR FORCE STATUS OF CIVILIANS 16 TO 24 YEARS OLD, BY
SELECTED CHARACTERISTICS: 1980 AND 1987

[In thousands, except percent. As of October. Civilian noninstitutional population. Based on Current Population Survey; see text, section 1 and Appendix III]

CHARACTERISTIC	POPULATION		CIVILIAN LABOR FORCE			EMPLOYED		UNEMPLOYED		
	1980	1987	1980, total	1987		1980	1987	1980, total	1987	
				Total	Per- cent ¹				Total	Rate ²
Total, 16 to 24 years ³	37,183	33,452	24,918	22,931	68.9	21,406	19,847	3,484	2,544	11.4
Enrolled in school ³	15,713	15,656	7,454	7,720	49.3	6,469	6,765	1,021	836	12.1
16 to 19 years	11,126	10,863	4,636	4,831	44.5	4,029	4,071	807	760	15.7
20 to 24 years	4,587	4,792	2,818	2,890	60.3	2,405	2,714	214	175	6.1
Male	7,997	6,054	3,825	3,857	47.9	3,259	3,384	685	473	12.3
Female	7,716	7,892	3,629	3,864	50.8	3,179	3,401	455	483	12.0
College level	7,664	7,931	3,966	4,422	56.6	3,632	4,100	364	313	7.1
Full-time	6,396	6,470	2,854	3,116	48.2	2,554	2,661	300	254	8.2
White	13,242	12,843	6,080	6,656	51.8	5,662	5,973	796	663	10.3
Below college.....	6,586	6,186	3,088	2,856	46.3	2,579	2,399	517	456	16.0
College level.....	6,678	6,675	3,592	3,800	56.9	3,310	3,575	262	225	5.9
Black	2,026	2,111	895	775	38.7	406	567	169	207	26.8
Below college.....	1,262	1,256	294	366	28.5	174	223	120	135	37.8
College level.....	747	855	300	417	48.7	230	345	70	72	17.3
Not enrolled ³	21,380	17,796	17,464	14,671	82.4	15,021	13,062	2,448	1,686	11.0
White	18,103	14,747	15,121	12,405	64.1	13,318	11,266	1,803	1,117	9.0
Black	2,864	2,622	2,055	1,914	73.0	1,451	1,472	604	443	23.1

¹ Percent of civilian noninstitutional population. ² Percent of civilian labor force in each category. ³ Includes other races, not shown separately.
Source: U.S. Bureau of Labor Statistics, Bulletin 2182 and unpublished data.

No. 637. LABOR FORCE PARTICIPATION RATES BY MARITAL STATUS, SEX, AND AGE: 1960 TO 1968

[As of March. See table 622 for definition of participation rate. Data for males include members of the Armed Forces living offpost or with their families on post. Based on Current Population Survey; see text, section 1 and Appendix III]

YEAR AND MARITAL STATUS	MALE PARTICIPATION RATE						FEMALE PARTICIPATION RATE					
	18-19 years	20-24 years	25-34 years	35-44 years	45-54 years	65 and over	18-19 years	20-24 years	25-34 years	35-44 years	45-54 years	65 and over
Married:¹												
1960	96.0	97.5	98.4	98.4	93.0	37.1	25.3	30.0	27.7	30.2	34.2	5.8
1970	95.5	95.0	98.2	98.1	91.8	30.2	36.0	47.4	38.3	47.2	44.1	7.8
1975	92.3	95.1	97.3	97.0	97.0	23.7	46.0	57.3	49.3	51.8	43.9	7.2
1980	97.3	98.8	97.5	97.0	94.6	20.4	47.7	60.5	59.3	62.5	48.9	7.2
1983	92.7	95.7	97.3	97.2	92.1	19.1	46.6	63.0	62.5	65.4	47.6	7.5
1984	96.5	96.2	97.2	97.2	91.8	17.4	43.4	63.3	64.0	66.4	48.0	7.3
1985	90.9	95.7	97.4	96.7	91.8	17.5	49.2	64.9	65.6	68.1	50.6	8.7
1986	91.8	95.8	97.3	96.3	91.8	17.3	52.9	63.1	68.4	69.0	50.4	7.0
1987	90.4	95.7	97.2	96.2	92.4	17.4	42.8	67.4	67.5	71.7	51.3	6.8
1988	95.3	95.7	97.0	96.7	92.4	17.5	46.8	65.9	66.6	72.7	52.7	7.4
Single:												
1960	34.4	76.6	65.3	65.3	74.4	24.3	25.3	73.4	70.9	79.7	75.1	21.8
1970	49.0	69.0	66.2	62.3	88.7	21.0	39.5	71.1	80.7	73.3	67.6	17.6
1975	53.2	76.5	67.4	66.5	86.7	20.5	45.5	69.5	80.4	77.8	68.4	16.2
1980	58.8	79.6	67.3	79.9	85.2	20.0	49.0	72.2	84.2	78.5	62.6	12.0
1983	49.9	77.6	68.4	81.8	89.6	23.8	46.0	72.6	83.6	81.1	65.1	12.6
1984	50.8	78.5	67.4	83.2	85.6	16.7	46.4	72.1	83.5	83.0	67.0	11.8
1985	57.9	77.9	67.5	80.6	87.3	16.0	49.6	74.0	82.5	80.6	73.2	6.0
1986	50.8	69.7	68.3	84.5	81.4	17.8	50.1	75.0	81.1	79.6	69.3	8.0
1987	50.2	60.0	68.0	83.7	84.3	16.3	49.5	74.5	82.9	81.8	58.8	9.1
1988	49.7	60.1	68.4	82.4	85.9	20.7	49.7	74.8	81.8	81.5	65.2	10.9
Other:²												
1960	(8)	66.6	62.3	64.1	78.1	16.2	37.3	54.8	55.5	67.4	56.3	11.0
1970	(8)	73.2	74.5	60.6	75.9	16.5	46.5	59.7	68.8	67.9	60.7	9.9
1975	(8)	82.4	69.3	69.4	80.4	16.0	41.9	66.1	67.5	68.8	60.4	6.1
1980	(8)	92.0	93.6	91.1	89.9	13.0	51.0	98.5	77.1	76.4	59.5	8.8
1983	(8)	68.7	91.9	90.7	73.9	13.1	45.3	66.4	77.1	77.7	59.6	7.5
1984	(8)	91.6	90.7	92.6	71.6	12.6	53.6	71.3	76.5	79.6	61.0	7.7
1985	(8)	99.9	92.9	92.1	72.8	12.7	50.9	66.5	75.9	80.6	60.7	7.8
1986	(8)	93.9	93.1	98.1	71.7	13.0	50.6	71.0	78.4	82.6	61.7	7.4
1987	(8)	90.6	92.9	91.1	73.1	11.1	(8)	67.2	77.1	83.0	61.9	7.6
1988	(8)	93.2	91.6	98.8	71.2	11.8	64.5	67.7	76.3	81.5	62.6	8.2

¹ For 1980, percentages not shown where base is less than 100,000; beginning 1970, 75,000. ² Spouse present. ³ 14 to 19 years old. ⁴ Widowed, divorced, and married (spouse absent).

No. 628. MARITAL STATUS OF WOMEN IN THE CIVILIAN LABOR FORCE: 1960 TO 1988

[As of March. Persons 14 years old and over through 1980; 16 years old and over thereafter. Prior to 1960, excludes Alaska and Hawaii. Figures for 1960 based on complete census revised for comparability with intercensal series. Later data based on Current Population Survey; see text, section 1 and Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series D 49-52]

YEAR	FEMALE LABOR FORCE (1,000)					PERCENT DISTRIBUTION, FEMALE LABOR FORCE			FEMALE LABOR FORCE AS PERCENT OF FEMALE POPULATION				
	Total	Single	Married		Widowed or divorced	Single	Married ¹	Widowed or divorced	Total	Single	Married		Widowed or divorced
			Total ¹	Has-band present							Total ¹	Has-band present	
1960	22,516	5,401	13,486	12,253	3,029	24.0	59.9	16.1	34.8	44.1	31.7	30.5	27.1
1965	25,852	5,912	16,154	14,708	3,886	22.6	62.2	15.0	36.7	40.5	35.7	34.7	26.7
1970	31,233	6,965	19,799	18,377	4,499	22.3	63.4	14.3	42.6	53.0	41.4	40.5	28.2
1971	31,778	7,220	20,034	18,573	4,524	22.7	63.0	14.2	42.5	52.8	41.4	40.8	26.7
1972	33,132	7,549	20,846	19,386	4,744	22.6	62.9	14.3	43.7	55.0	42.2	41.5	27.2
1973	34,195	7,886	21,467	19,951	4,870	22.9	62.8	14.2	44.2	55.9	42.6	42.2	26.7
1974	35,703	8,362	22,202	20,541	5,144	23.4	62.2	14.4	45.3	57.4	43.6	43.1	27.8
1975	36,991	8,599	23,037	21,380	5,345	23.2	62.3	14.5	46.0	57.0	45.1	44.4	27.7
1976	38,389	9,262	23,643	21,814	5,474	24.2	61.8	14.3	45.8	59.2	45.8	45.1	27.3
1977	40,063	9,702	24,429	22,891	5,922	24.2	61.0	14.8	46.0	59.2	47.2	46.8	26.9
1978	41,747	10,487	24,976	23,136	6,284	25.1	59.8	15.1	46.2	60.7	49.1	47.5	26.9
1979	43,844	11,304	26,073	24,223	6,487	25.8	59.5	14.6	50.8	62.9	43.9	48.9	40.0
1980	44,934	11,342	26,829	24,900	6,864	25.0	59.7	15.3	51.1	61.5	50.7	60.1	41.0
1981	46,415	11,829	27,586	25,460	7,251	25.0	59.3	15.6	52.0	62.9	51.7	51.0	41.9
1982	47,985	11,801	27,843	25,756	7,451	25.1	59.1	15.8	52.1	62.2	51.9	51.2	42.1
1983	47,779	12,262	25,140	26,227	7,357	25.7	58.9	15.4	52.3	62.6	52.3	51.8	41.2
1984	48,340	12,591	26,863	26,855	7,775	25.6	58.7	15.6	53.2	66.1	53.9	62.6	42.1
1985	50,891	12,928	28,755	27,718	8,211	25.4	58.6	16.1	54.5	65.2	54.7	64.2	42.8
1986	51,732	13,127	30,274	28,197	8,392	25.4	58.5	16.1	54.7	65.3	55.0	54.6	43.1
1987	52,980	13,484	31,892	29,159	8,224	25.4	58.1	15.5	55.4	65.1	56.1	55.9	42.9
1988	53,997	13,617	31,946	29,751	8,484	25.2	58.2	15.6	55.9	65.3	55.8	55.5	43.4

¹ Includes married, spouse absent.

Source of tables 637 and 628: U.S. Bureau of Labor Statistics, Bulletin 2307, and unpublished data.

NO. 638. MARRIED, SEPARATED, AND DIVORCED WOMEN—LABOR FORCE STATUS BY PRESENCE AND AGE OF CHILDREN: 1960 TO 1988

[As of March. For 1960, civilian noninstitutional persons 14 years old and over, thereafter 16 years old and over. Based on Current Population Survey; see text, section 1 and Appendix III]

ITEM	TOTAL			NO CHILDREN UNDER 18			CHILDREN 6-17 ONLY			CHILDREN UNDER 6		
	Mar-ried ¹	Sepe-rated	Di-vorced	Mar-ried ¹	Sepe-rated	Di-vorced	Mar-ried ¹	Sepe-rated	Di-vorced	Mar-ried ¹	Sepe-rated	Di-vorced
IN LABOR FORCE (mil.)												
1960.....	12.3	(NA)	(NA)	5.7	(NA)	(NA)	4.1	(NA)	(NA)	2.5	(NA)	(NA)
1970.....	16.4	1.4	1.9	8.2	.7	1.1	6.3	.4	.6	3.9	.3	.3
1980.....	24.9	1.9	4.4	11.2	.9	2.3	9.4	.8	1.8	5.2	.4	.5
1982.....	25.6	2.1	5.2	11.8	1.0	2.7	9.9	.7	1.8	5.7	.5	.6
1983.....	26.2	1.9	5.2	12.1	.8	2.8	9.9	.8	1.8	5.9	.5	.6
1984.....	26.9	2.0	5.5	12.3	.9	3.0	9.9	.7	1.9	6.2	.4	.6
1985.....	27.7	2.0	5.9	12.6	1.0	3.3	9.6	.7	2.0	6.4	.4	.6
1986.....	28.2	2.1	6.2	12.9	1.0	3.5	9.6	.8	2.0	6.6	.5	.7
1987.....	29.2	2.1	6.1	13.2	1.0	3.4	9.9	.7	2.0	7.0	.4	.7
1988.....	29.8	2.2	6.2	13.5	1.1	3.7	9.8	.7	1.9	7.0	.4	.6
PARTICIPATION RATE²												
1960.....	30.5	(NA)	(NA)	34.7	(NA)	(NA)	39.0	(NA)	(NA)	19.8	(NA)	(NA)
1970.....	40.8	52.1	71.5	42.2	52.3	67.7	49.2	60.6	52.4	30.3	45.4	53.3
1980.....	50.1	59.4	74.5	48.0	59.9	71.4	61.7	65.3	62.3	45.1	52.2	68.3
1982.....	51.2	60.0	74.9	48.2	57.5	71.6	62.2	66.4	63.8	46.7	55.2	67.2
1983.....	51.8	59.7	74.5	48.6	58.8	71.7	63.8	66.7	62.2	46.8	53.6	66.7
1984.....	52.8	60.9	74.3	47.2	59.1	70.5	65.4	70.1	64.1	51.8	53.9	67.7
1985.....	54.2	61.3	75.0	48.2	60.0	72.1	67.9	70.9	63.4	53.4	53.2	67.5
1986.....	54.8	62.2	78.0	48.2	60.4	72.1	65.4	70.8	64.7	53.8	57.4	73.9
1987.....	55.8	61.4	75.4	48.4	57.9	71.9	70.8	72.8	64.5	56.8	55.1	70.5
1988.....	56.5	60.9	75.7	48.9	60.1	73.0	72.5	69.3	63.9	57.1	59.0	70.1
EMPLOYMENT (mil.)												
1960.....	11.8	(NA)	(NA)	5.4	(NA)	(NA)	3.9	(NA)	(NA)	2.3	(NA)	(NA)
1970.....	17.6	1.3	1.8	7.9	.7	1.0	6.0	.4	.5	3.6	.3	.2
1980.....	23.8	1.7	4.2	10.7	.8	2.2	8.1	.8	1.5	4.8	.4	.5
1982.....	23.9	1.8	4.7	11.1	.8	2.5	7.7	.8	1.7	5.1	.4	.5
1983.....	24.3	1.6	4.7	11.4	.7	2.6	7.7	.5	1.5	5.2	.3	.5
1984.....	25.3	1.7	5.0	11.7	.8	2.8	7.9	.8	1.7	5.7	.3	.5
1985.....	26.1	1.8	5.4	12.2	.9	3.1	8.1	.8	1.8	5.9	.3	.5
1986.....	26.7	1.9	5.7	12.3	.9	3.3	8.3	.8	1.9	6.1	.4	.6
1987.....	27.8	1.9	5.7	12.7	.9	3.2	8.6	.8	1.9	6.5	.3	.3
1988.....	28.6	2.0	5.9	13.1	1.0	3.5	8.8	.8	1.8	6.5	.3	.3
UNEMPLOYMENT RATE³												
1960.....	5.4	(NA)	(NA)	4.5	(NA)	(NA)	4.9	(NA)	(NA)	7.3	(NA)	(NA)
1970.....	4.8	6.8	6.4	3.3	4.2	4.7	4.8	5.9	6.5	7.9	13.3	5.2
1980.....	5.3	9.9	8.4	4.5	6.3	4.5	4.4	10.8	6.7	8.3	12.3	13.6
1982.....	7.1	14.5	8.9	6.7	11.7	7.8	7.0	14.8	8.2	10.1	20.1	13.5
1983.....	7.2	19.1	10.2	5.7	13.8	7.1	6.7	20.0	12.6	10.9	27.9	16.9
1984.....	5.7	13.9	8.6	4.8	9.0	6.9	6.0	13.1	9.7	6.9	25.0	14.9
1985.....	5.7	13.7	7.7	4.7	9.0	6.2	6.5	14.9	9.0	6.0	22.9	12.1
1986.....	5.4	10.8	7.6	4.8	7.2	6.1	4.8	11.7	6.2	7.6	16.5	12.9
1987.....	4.5	11.8	6.8	3.5	6.1	5.9	4.9	14.8	6.1	5.9	15.7	13.9
1988.....	3.9	9.1	6.2	2.9	7.0	4.5	3.8	8.7	5.3	5.1	15.0	9.4

NA Not available. ¹ Husband present. ² Percent of women in each specific category in the labor force.

³ Unemployed as a percent of civilian labor force in specified group.

Source: U.S. Bureau of Labor Statistics, *Special Labor Force Reports*, Nos. 13, 130, and 134; Bulletin 2163 and 2307; and unpublished data.

NO. 640. LABOR FORCE PARTICIPATION RATES FOR WIVES, HUSBAND PRESENT, BY AGE OF OWN YOUNGEST CHILD: 1975 TO 1988

[As of March. For civilian noninstitutional population, 16 years old and over. Based on Current Population Survey; see text, section 1 and Appendix III]

PRESENCE AND AGE OF CHILD	TOTAL				WHITE				BLACK			
	1975	1980	1985	1988	1975	1980	1985	1988	1975	1980	1985	1988
Wives, total	44.5	49.2	64.3	68.7	43.7	49.3	63.4	68.6	44.3	49.3	64.2	69.1
No children under 18	44.0	48.0	48.2	48.1	43.5	45.5	47.5	48.5	47.7	51.2	56.1	54.4
With children under 18	44.9	54.3	61.0	65.2	43.9	53.2	60.0	64.3	56.8	65.6	71.5	73.8
Under 6, total	39.8	45.3	53.7	57.4	35.0	43.5	52.3	56.3	56.4	63.4	69.3	71.7
Under 3	32.6	41.5	50.7	54.8	30.9	40.0	49.8	53.9	52.2	57.7	65.7	73.0
1 year or under	30.8	36.0	49.4	51.9	29.2	37.7	48.6	50.5	50.0	52.9	63.7	71.5
2 years	37.1	48.1	54.0	61.7	35.1	45.1	52.7	60.2	56.4	71.0	69.9	76.2
3 to 5 years	42.2	51.7	59.6	61.4	40.3	49.4	56.6	60.9	61.7	72.3	73.8	69.9
3 years	41.2	51.5	65.1	59.3	39.0	48.4	52.7	56.1	62.7	73.4	72.3	76.1
4 years	41.2	51.4	59.7	61.4	38.7	49.8	56.4	61.0	64.9	66.4	70.6	70.3
5 years	44.4	52.4	62.1	63.6	43.8	50.4	59.9	64.0	59.3	77.8	79.1	82.5
6 to 15 years	61.8	62.6	68.1	72.3	60.8	61.4	67.7	71.5	64.9	71.8	73.5	81.4
14 to 17 years	53.8	60.5	67.0	72.9	53.6	60.6	66.3	72.5	51.0	58.4	74.1	74.8

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*.

May 1989, and unpublished data.

NO. 641. CIVILIAN EMPLOYMENT IN OCCUPATIONS WITH THE LARGEST JOB GROWTH AND IN THE FASTEST GROWING AND FASTEST DECLINING OCCUPATIONS: 1985 AND 2000

In thousands, except percent. For occupations employing 100,000 or more in 1985. Includes wage and salary jobs, self-employed and unpaid family members. Estimates based on the 1985 through 1999 Occupational Employment Statistics Surveys. See source for methodological assumptions. Minus sign (-) indicates decrease.

OCCUPATION	EMPLOYMENT				PERCENT CHANGE, 1985-2000		
	1985	2000 ¹			Low	Mod- erate	High
		Low	Mod- erate	High			
Total²	111,823	126,432	128,089	127,363	13	16	23
LARGEST JOB GROWTH³							
Salespersons, retail	3,578	4,863	4,780	4,871	28	34	38
Waiters and waitresses	1,702	2,380	2,454	2,503	39	44	47
Registered nurses	1,406	1,851	2,018	2,077	32	44	46
Janitors and cleaners ⁴	2,878	3,144	3,280	3,382	17	23	26
General managers and top executives	2,383	2,820	2,965	3,052	18	24	26
Cashiers	2,185	2,618	2,740	2,798	21	27	29
Truck drivers, light and heavy	2,211	2,599	2,739	2,811	18	24	27
General office clerks	2,381	2,688	2,824	2,918	14	20	23
Food counter, fountain, and related workers	1,500	1,879	1,949	1,985	25	30	32
Nursing aides, orderlies, and attendants	1,224	1,584	1,659	1,691	29	35	38
Secretaries	3,234	3,470	3,688	3,789	7	13	17
Guards	794	1,104	1,177	1,241	38	48	58
Accountants and auditors	945	1,251	1,322	1,371	32	40	45
Computer programmers	479	758	813	850	58	70	78
Food preparation workers	946	1,227	1,273	1,300	29	34	37
Teachers, kindergarten and elementary	1,527	1,778	1,828	1,853	16	20	23
Receptionists and information clerks	662	913	954	987	34	41	46
Computer systems analysts, EDP	331	544	582	607	64	76	83
Cooks, restaurant	520	727	759	779	40	46	50
Licensed practical nurses	631	835	889	901	32	38	41
Gardeners and groundskeepers, except farm	767	954	1,005	1,033	28	31	35
Maintenance repairers, general utility	1,039	1,205	1,270	1,314	16	22	26
Stock clerks, sales floor	1,087	1,255	1,312	1,353	15	21	23
First line supervisors and managers	958	1,108	1,161	1,200	16	21	25
Dining room, cafeteria attendants, barroom helpers	433	607	631	644	40	46	49
Electrical and electronics engineers	401	544	582	616	36	48	54
Lawyers	527	678	718	748	28	36	42
Cooks, short order and fast food	591	748	775	789	27	31	33
Carpenters	1,010	1,134	1,192	1,252	12	18	24
Barbers	386	530	553	589	34	40	43
Financial managers	638	747	782	834	17	24	29
Food service and lodging managers	509	628	669	695	24	30	35
Teachers, secondary schools	1,128	1,248	1,280	1,330	10	13	17
Electrical and electronic technicians, technologists	313	428	459	473	37	48	51
Real estate sales agents	313	422	451	488	35	44	49
Computer operators, exc. peripheral equipment	263	394	387	403	38	47	53
Social workers	305	468	485	500	28	33	37
Medical assistants	132	239	251	258	81	80	85
Marketing, advertising, pub. relations managers	323	402	427	444	25	32	38
Legal assistants, tech., exc. clerical	170	258	272	282	51	60	65
FASTEST GROWING							
Medical assistants	132	239	251	258	81	80	85
Home health aides	138	236	249	266	71	80	87
Computer systems analysts, EDP	331	544	582	607	64	76	83
Computer programmers	479	758	813	850	58	70	78
Radiologic technologists and technicians	115	183	190	196	58	65	70
Legal assistants and technicians exc. clerical	170	258	272	282	51	60	65
Dental assistants	155	231	244	250	48	57	61
Guards	794	1,104	1,177	1,241	38	48	58
Electrical and electronics engineers	401	544	582	616	36	48	54
Computer operators, except peripheral equipment	263	394	387	403	38	47	53
Restaurant cooks	520	727	759	779	40	46	50
Dining rooms, cafeteria attendants, barroom helpers	433	607	631	644	40	46	49
FASTEST DECLINING							
Electrical and electronic assemblers	249	105	116	116	-58	-54	-52
Industrial truck and tractor operators	428	205	203	204	-52	-54	-51
Stenographers	178	123	128	133	-31	-28	-26
Farmers	1,182	810	800	871	-31	-28	-25
Textile draw-out and winding machine operators ⁵	219	158	164	175	-28	-25	-20
Farm workers	840	705	750	779	-25	-20	-17
Data entry keyers, except composers	400	315	334	347	-21	-18	-13
Typists and word processors	1,002	820	862	882	-18	-14	-11
Sewing machine operators, garment	623	528	541	557	-17	-14	-10
Welding machine setters, operators, tenders	126	101	112	115	-20	-12	-9
Child care workers, private household	400	334	382	387	-16	-10	-8
TV and cable TV installers and repairers	119	102	108	115	-15	-9	-4

¹ Based on low, moderate, or high trend assumptions. ² Includes other occupations, not shown separately. ³ Based on absolute employment change 1985 to 2000. ⁴ Includes maids and housekeepers. ⁵ Includes tenders.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, September 1997.

NO. 642. EMPLOYED CIVILIANS, BY OCCUPATION, SEX, AND RACE: 1987

[For civilian noninstitutional population 16 years old and over. Annual average of monthly figures. Based on Current Population Survey, see text, section 1 and Appendix B. Persons of Hispanic origin may be of any race]

OCCUPATION	Total employed (1,000)	PERCENT OF TOTAL		
		Female	Black	Hispanic
Total	112,448	44.8	16.1	6.8
Managerial and professional specialty	27,742	44.3	6.2	3.7
Executive, administrative, and managerial ¹	13,316	37.9	5.6	3.8
Officials and administrators, public	474	41.8	9.6	3.9
Financial managers	482	43.8	3.9	3.5
Personnel and labor relations managers	127	53.0	4.0	3.4
Purchasing managers	100	27.8	7.6	3.1
Managers, marketing, advertising and public relations	444	27.4	3.0	2.3
Administrators, education and related fields	518	48.5	9.9	3.7
Managers, medicine and health	154	59.9	8.9	3.1
Managers, properties and real estate	397	43.8	4.6	6.5
Management-related occupations	3,577	48.4	7.4	3.7
Accountants and auditors	1,255	45.7	7.4	3.5
Professional specialty¹	14,425	50.1	6.7	3.5
Architects	126	12.8	2.2	7.2
Engineers ¹	1,731	6.9	3.5	2.6
Electrical and electronic	545	7.2	3.2	2.4
Mechanical	277	4.2	4.5	2.8
Mathematical and computer scientists	885	34.1	6.7	2.5
Computer systems analysts, scientists	447	32.1	6.9	2.2
Natural scientists	388	24.1	2.4	2.7
Health diagnosing occupations ¹	783	16.5	3.0	4.5
Physicians	514	19.5	3.7	6.5
Dentists	180	8.9	2.1	3.3
Health assessment and treating occupations ¹	2,145	86.3	7.7	2.9
Registered nurses	1,586	95.1	7.7	2.8
Therapists	285	76.3	6.5	3.5
Teachers, college and university	881	37.1	4.8	3.1
Teachers, except college and university ¹	3,557	73.8	6.4	3.9
Prekindergarten and kindergarten	289	98.4	13.7	6.1
Elementary school	1,329	85.3	10.0	4.0
Secondary school	1,172	64.3	6.2	3.7
Counselors, educational and vocational	191	59.5	14.0	6.2
Librarians, archivists, and curators	219	81.8	6.8	2.6
Librarians	196	85.6	7.0	1.9
Social scientists and urban planners	315	48.7	5.8	2.7
Psychologists	171	54.8	8.9	2.8
Social, recreation, and religious workers	980	48.6	12.5	5.8
Social workers	507	65.8	16.1	7.0
Lawyers and judges	707	19.7	3.4	2.0
Writers, artists, entertainers, and athletes	1,858	45.9	4.7	3.9
Technical, sales, and administrative support	36,082	64.7	8.8	5.8
Technicians and related support	3,345	48.5	6.5	3.9
Health technologists and technicians	1,142	84.3	13.8	3.5
Licensed practical nurses	405	97.0	18.3	2.7
Engineering and related technologists and technicians	896	17.1	4.9	5.4
Electrical and electronic technicians	305	14.3	5.9	4.7
Science technicians	204	31.5	7.6	3.0
Technicians, except health, engineering, and science	1,104	40.2	6.0	3.2
Computer programmers	527	36.6	5.6	2.7
Sales occupations	13,480	48.0	6.0	5.3
Supervisors and proprietors	3,572	31.8	4.3	4.4
Sales representatives, finance and business services ¹	2,330	40.1	3.5	3.4
Insurance sales	544	27.4	5.0	4.4
Real estate sales	778	48.7	2.3	2.9
Securities and financial services sales	319	24.7	1.9	2.3
Sales representatives, commodities, except retail	1,544	17.1	2.5	4.2
Sales workers, retail and personal services	5,873	86.5	8.9	6.8
Cashiers	2,285	83.0	12.8	8.0
Sales-related occupations	60	67.8	2.3	4.0
Administrative support, including clerical	18,256	80.0	11.0	6.2
Supervisors	723	59.9	11.3	5.2
Computer equipment operators	914	96.0	14.1	6.2
Computer operators	911	85.0	14.1	6.1
Secretaries, stenographers, and typists ¹	5,004	99.1	6.4	5.2
Secretaries	4,107	99.1	6.8	4.6
Typists	843	94.6	16.6	7.3
Information clerks	1,371	90.0	8.8	7.6
Receptionists	788	97.5	7.9	7.1
Records processing occupations, except financial	844	80.9	15.8	8.7
File clerks	281	82.5	20.4	7.2
Financial records processing	2,488	90.9	8.0	4.7
Bookkeepers, accounting, and auditing clerks	2,004	82.4	4.7	4.7

See footnotes at end of table.

NO. 642. EMPLOYED CIVILIANS, BY OCCUPATION, SEX, AND RACE: 1967—Continued

[See headnote, page 386]

OCCUPATION	Total employed (1,000)	PERCENT OF TOTAL		
		Female	Black	Hispanic
Technical, sales, and administrative support—Con.				
Administrative support, including clerical—Con.				
Duplicating, mail and other office machine operators	69	64.7	20.3	5.6
Communications equipment operators	225	91.8	19.9	6.1
Telephone operators	218	92.2	19.5	6.2
Mail and message distributing occupations	981	34.7	19.8	7.7
Postal clerks, except mail carriers	315	44.0	27.7	7.2
Material recording, scheduling, and distributing clerks	1,709	39.9	13.3	8.1
Adjusters and investigators	897	73.0	12.0	5.5
Miscellaneous administrative support ¹	3,071	64.9	12.7	6.9
General office clerks	803	82.9	11.3	7.5
Bank tellers	467	90.6	7.9	6.1
Data entry keyers	361	87.2	19.4	6.5
Teachers aides	390	95.1	15.0	9.9
Service occupations	16,864	68.6	17.4	9.1
Private household ¹	934	96.3	22.6	12.6
Child care workers	405	96.9	8.0	8.4
Cleaners and servants	472	98.0	34.4	18.0
Protective service ¹	1,807	14.2	18.6	5.8
Firefighting and fire prevention	221	2.0	7.4	5.3
Police and detectives	717	11.4	15.1	5.2
Guards	809	21.5	21.7	6.9
Service except private household and protective	12,213	65.2	17.1	9.3
Food preparation and service occupations ¹	5,204	62.4	12.7	9.1
Bartenders	326	49.9	2.3	5.7
Waiters and waitresses	1,363	95.1	5.1	5.7
Cooks, except short order	1,627	50.1	18.4	9.6
Short-order cooks	93	34.5	20.8	6.0
Food counter, fountain, and related occupations	359	77.7	13.7	8.7
Kitchen workers, food preparation	130	76.0	20.1	10.4
Waiters' and waitresses' assistants	325	37.8	15.6	17.6
Health service occupations	1,673	69.8	25.5	7.0
Dental assistants	169	98.0	5.8	10.3
Health aides, except nursing	390	84.0	15.8	8.9
Nursing aides, orderlies, and attendants	1,324	90.4	30.8	8.8
Cleaning and building service occupations ¹	2,898	41.7	24.2	12.9
Maids and housemen	602	84.6	30.0	14.8
Janitors and cleaners	2,059	30.8	22.8	12.7
Personal service occupations ¹	2,249	81.3	11.2	7.2
Barbers	90	17.9	8.1	8.3
Hairdressers and cosmetologists	743	69.3	7.5	6.4
Attendants, amusement and recreation facilities	128	43.2	7.1	4.9
Public transportation attendants	76	64.5	9.4	5.1
Welfare service aides	104	90.5	24.6	13.3
Child care workers, except private household	827	98.0	12.5	7.1
Precision production, craft, and repair	13,898	8.5	7.3	8.0
Mechanics and repairers	4,446	3.4	7.3	7.0
Mechanics and repairers, except supervisors ¹	4,166	3.0	7.3	7.3
Vehicle and mobile equipment mechanics and repairers	1,779	1.0	7.1	8.7
Automobile mechanics	871	.6	7.4	9.3
Electrical and electronic equipment repairers	685	8.5	7.4	5.6
Telephone installers and repairers	215	11.7	8.0	5.5
Construction trades	5,011	1.9	7.1	7.7
Construction trades, except supervisors	4,362	2.0	7.4	8.2
Carpenters	1,366	1.2	5.0	7.7
Extractive occupations	181	3.3	3.7	9.1
Precision production occupations	3,951	22.8	7.9	9.4
Operators, fabricators, and laborers	17,496	25.8	18.2	10.8
Machine operators, assemblers, and inspectors ¹	7,894	41.2	14.9	12.5
Textile, apparel, and furnishings machine operators ¹	1,334	79.0	22.1	17.5
Textile sewing machine operators	755	91.0	18.2	21.6
Pressing machine operators	136	64.3	33.0	20.2
Fabricators, assemblers, and hand working occupations	1,677	32.9	12.2	11.8
Production inspectors, testers, samplers, and weighers	961	51.0	14.5	9.3
Transportation and material moving occupations	4,712	8.4	14.8	7.6
Motor vehicle operators	3,489	10.1	14.8	7.9
Trucks, heavy and light	2,543	4.2	13.3	8.2
Transportation occupations, except motor vehicles	194	1.9	8.1	3.4
Material moving equipment operators	1,029	3.8	18.1	7.7
Industrial truck and tractor operators	426	5.0	24.0	9.3
Handlers, equipment cleaners, helpers, and laborers ¹	4,779	17.1	16.0	11.1
Freight, stock, and material handlers	1,696	16.9	15.9	8.1
Laborers, except construction	1,251	18.3	17.5	11.6
Farming, forestry, and fishing	3,607	15.8	6.5	13.2
Farm operators and managers	1,317	14.9	1.4	1.5
Other agricultural and related occupations	2,013	17.1	9.6	21.6
Farm workers	968	21.7	8.8	24.2
Forestry and logging occupations	104	5.9	17.1	2.6
Fishers, hunters, and trappers	73	9.1	1.0	6.3

¹ Includes other occupations not shown separately.Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, January 1968.

NO. 643. OCCUPATION OF EMPLOYED CIVILIANS BY SEX, RACE, AND EDUCATIONAL ATTAINMENT: 1968
[As of March. For civilian noninstitutional population 25-64 years of age. Based on Current Population Survey, see text, section 1 and Appendix III]

SEX, RACE, AND YEARS OF SCHOOL COMPLETED	Total employed	Man- gari- tal/ profes- sional	Tech./ sales/ adminis- trative	Service ¹	Precision produc- tion ²	Operators/ fabrica- tors ³	Farming, forestry, fishing
NUMBER (1,000)							
Male, total:							
Less than 4 years of high school.....	7,807	480	617	908	2,257	2,887	586
4 years of high school only.....	18,402	2,212	3,287	1,778	5,416	4,838	774
1 to 3 years of college.....	9,342	2,427	2,894	812	1,885	1,885	227
4 years of college or more.....	14,367	9,588	3,140	410	891	479	159
White:							
Less than 4 years of high school.....	9,588	419	525	672	2,013	2,432	523
4 years of high school only.....	16,258	2,075	2,981	1,345	4,838	4,144	739
1 to 3 years of college.....	8,220	2,229	9,588	631	1,708	1,885	216
4 years of college or more.....	12,972	8,770	2,229	332	584	389	157
Black:							
Less than 4 years of high school.....	1,053	30	81	194	202	482	64
4 years of high school only.....	1,788	98	241	389	367	707	27
1 to 3 years of college.....	840	141	228	140	122	208	4
4 years of college or more.....	689	389	139	47	29	65	2
Female, total:							
Less than 4 years of high school.....	4,812	367	1,048	1,885	227	1,885	86
4 years of high school only.....	17,437	2,273	9,225	3,275	513	1,885	171
1 to 3 years of college.....	8,640	2,808	4,838	887	185	208	48
4 years of college or more.....	9,588	9,588	2,887	332	88	108	41
White:							
Less than 4 years of high school.....	3,781	234	947	1,885	187	1,075	83
4 years of high school only.....	15,052	2,884	8,251	2,013	433	1,885	183
1 to 3 years of college.....	7,439	2,229	9,588	889	131	208	48
4 years of college or more.....	8,310	5,724	2,188	257	88	65	41
Black:							
Less than 4 years of high school.....	874	39	91	518	29	208	2
4 years of high school only.....	2,084	187	822	588	64	889	6
1 to 3 years of college.....	840	217	509	140	17	40	-
4 years of college or more.....	805	515	221	30	10	10	-
PERCENT DISTRIBUTION							
Male, total:							
Less than 4 years of high school.....	100.0	5.9	7.9	11.6	28.9	38.0	7.6
4 years of high school only.....	100.0	12.0	17.9	9.7	29.4	25.8	4.2
1 to 3 years of college.....	100.0	38.0	28.9	8.7	20.2	13.9	2.4
4 years of college or more.....	100.0	68.7	21.9	2.9	4.1	3.3	1.1
White:							
Less than 4 years of high school.....	100.0	6.4	8.0	10.2	30.6	38.0	7.9
4 years of high school only.....	100.0	12.9	18.2	8.3	30.7	28.8	4.8
1 to 3 years of college.....	100.0	27.1	25.8	7.7	20.8	13.0	2.8
4 years of college or more.....	100.0	67.8	21.9	2.8	4.0	2.8	1.2
Black:							
Less than 4 years of high school.....	100.0	2.8	7.7	16.4	18.2	45.8	6.1
4 years of high school only.....	100.0	5.4	13.5	19.8	20.5	38.5	1.5
1 to 3 years of college.....	100.0	18.8	38.0	18.7	14.5	24.7	.5
4 years of college or more.....	100.0	68.5	18.9	7.1	4.4	8.9	.9
Female, total:							
Less than 4 years of high school.....	100.0	8.0	21.9	38.1	4.7	27.7	1.8
4 years of high school only.....	100.0	13.0	52.9	19.8	2.9	11.4	1.0
1 to 3 years of college.....	100.0	29.0	54.0	11.5	1.9	3.1	.8
4 years of college or more.....	100.0	67.9	28.5	3.5	.7	1.1	.4
White:							
Less than 4 years of high school.....	100.0	6.2	25.0	33.2	5.0	28.4	2.2
4 years of high school only.....	100.0	13.6	54.8	17.4	2.9	10.2	1.1
1 to 3 years of college.....	100.0	30.0	58.5	11.1	1.8	2.8	.7
4 years of college or more.....	100.0	68.9	28.0	3.1	.7	.9	.5
Black:							
Less than 4 years of high school.....	100.0	3.8	10.4	59.2	3.0	23.4	.2
4 years of high school only.....	100.0	9.2	40.8	28.9	2.7	18.2	.9
1 to 3 years of college.....	100.0	23.1	54.8	15.9	1.8	5.2	-
4 years of college or more.....	100.0	68.9	27.4	6.2	1.2	1.2	-

- Represents zero.

¹ Includes private household workers.

² Includes craft and repair.

³ Includes laborers.

Source: U.S. Bureau of Labor Statistics, unpublished data.

No. 844. OCCUPATION OF EMPLOYED CIVILIANS BY SEX AND EDUCATIONAL ATTAINMENT: 1988

[In thousands. For civilian noninstitutional population 25-64 years of age. Based on Current Population Survey; see text, section 1 and Appendix III]

YEARS OF SCHOOL COMPLETED	TOTAL ¹		MANAGERIAL/ PROFES- SIONAL		TECHNICAL/ SALES/ ADMINISTRATIVE		SERVICE ²		PRECISION PRODUCTION ³		OPER- ATORS/ FABRICA- TORS ⁴	
	Male	Fe- male	Male	Fe- male	Male	Fe- male	Male	Fe- male	Male	Fe- male	Male	Fe- male
Number (1,000)												
Total	48,916	48,476	14,886	11,578	9,738	17,472	3,997	8,436	16,161	996	8,679	3,886
Less than 4 years of high school	7,307	4,812	480	287	617	1,048	908	1,830	2,257	227	2,967	1,300
4 years of high school only	18,402	17,437	2,212	2,273	3,287	9,225	1,776	3,275	5,416	513	4,936	1,962
1 to 3 years of college	8,342	8,640	2,427	2,508	2,894	4,883	812	987	1,885	155	1,285	288
4 years of college or more	14,867	9,586	9,566	6,502	2,140	2,537	410	333	591	89	479	103
PERCENT DISTRIBUTION												
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 4 years of high school	15.0	11.8	3.1	2.5	6.3	6.0	23.2	28.4	22.2	23.5	30.7	38.1
4 years of high school only	38.9	43.1	15.1	19.8	33.8	52.8	45.5	39.8	53.4	52.2	51.0	53.8
1 to 3 years of college	18.7	21.3	16.5	21.7	27.7	28.7	20.8	15.5	18.8	18.1	13.4	7.3
4 years of college or more	28.8	23.7	65.3	56.2	32.2	14.5	10.5	5.2	5.8	7.2	4.9	2.8

¹ Includes other occupations not shown separately.² Includes private household workers.³ Includes craft and repair.⁴ Includes laborers.

Source: U.S. Bureau of Labor Statistics, unpublished data.

No. 845. EMPLOYMENT BY INDUSTRY, 1970 TO 1987, AND BY SELECTED CHARACTERISTICS, 1987

[In thousands, except percent. For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. Based on Current Population Survey; see text, section 1 and Appendix III. Data from 1985 forward not strictly comparable with earlier years due to changes in industrial classification.]

INDUSTRY	1970	1979	1985	1986	1987	1987			
						Total	Fe- male	Black	His- panic
Total employed	78,676	85,848	98,383	107,188	109,857	112,448	64.8	10.1	6.9
Agriculture	3,483	3,488	3,384	3,178	3,163	3,286	20.7	5.1	12.4
Mining	518	752	879	938	888	918	16.0	3.8	6.7
Construction	4,818	5,888	6,215	6,887	7,288	7,488	8.8	7.2	7.2
Manufacturing	20,748	19,457	21,842	20,878	20,982	20,935	32.8	10.3	8.2
Transportation, communication, and other									
public utilities	5,328	6,882	6,525	7,548	7,850	7,880	28.8	13.3	6.0
Wholesale and retail trade	15,038	17,713	20,181	22,288	22,813	23,282	47.4	8.0	7.1
Wholesale trade	2,872	3,382	3,880	4,341	4,418	4,588	28.0	5.8	7.0
Retail trade	12,166	14,331	16,301	17,946	18,395	18,694	50.2	8.5	7.2
Finance, insurance, real estate	3,848	4,738	5,883	7,005	7,481	7,783	58.3	7.9	5.7
Banking and other finances	1,887	1,851	2,588	3,135	3,288	3,421	64.8	6.1	6.0
Insurance and real estate	2,061	2,787	3,295	3,870	4,193	4,362	54.9	7.7	5.5
Services ¹	20,388	24,174	28,752	31,222	34,337	35,743	61.8	11.8	6.2
Business services ²	1,403	1,885	2,381	3,083	4,305	4,708	48.8	11.4	6.8
Advertising	147	154	181	283	270	283	53.8	5.3	4.8
Services to dwellings and buildings	844	274	370	571	601	675	45.9	18.7	13.7
Personal supply services	844	125	235	580	618	640	72.5	20.5	6.3
Business management/consulting	844	184	207	385	448	480	90.5	5.1	2.8
Computer and data processing	844	108	221	548	610	688	90.2	6.6	3.2
Detective/protective services	844	172	213	319	335	371	35.7	23.0	8.2
Automobile services	844	711	852	1,222	1,280	1,271	13.5	8.3	9.7
Personal services ³	4,278	3,772	3,838	4,352	4,472	4,588	72.3	14.4	9.4
People households	1,782	1,382	1,257	1,254	1,341	1,216	64.8	21.9	11.8
Hotels and lodging plans	879	888	1,148	1,451	1,529	1,587	65.3	11.1	15.8
Entertainment and recreation	717	888	1,047	1,278	1,282	1,283	41.1	8.5	7.1
Performance and related services ⁴	12,804	16,579	19,853	21,583	22,174	22,883	67.8	11.7	5.1
Hospitals	2,843	3,441	4,038	4,388	4,385	4,444	77.1	18.4	5.5
Hospital services, except hospitals	1,288	2,906	2,345	3,841	3,781	4,834	78.4	11.1	5.3
Elementary secondary schools	6,128	5,077	5,580	5,431	5,510	5,930	72.1	12.5	5.2
Colleges and universities	2,128	1,862	2,128	2,381	2,342	2,378	51.7	8.3	6.2
Social services	838	1,347	1,580	1,882	1,885	1,945	78.7	17.2	7.3
Legal services	428	541	778	885	1,004	1,128	98.2	5.1	3.8
Public administration ⁵	4,478	4,884	5,342	4,885	5,184	5,345	61.4	14.8	5.1

NA Not available. ¹ Includes services may be of any type. ² Includes education and other separately. ³ Includes certain aspects of company governmental activities, e.g., political and legislative.

Source: U.S. Bureau of Labor Statistics, Employment and Earnings, January 1988.

No. 646. EMPLOYMENT BY SELECTED INDUSTRY, 1970 TO 1996, AND PROJECTIONS, 2000

[In thousands, except percent. Figures may differ from those in other tables since these data exclude establishments not elsewhere classified (SIC 99); in addition, agriculture services (SIC 074, 3, 4) are included in agriculture, not services. See source for details.]

SIC ¹ code	INDUSTRY	EMPLOYMENT				ANNUAL AVERAGE RATE OF CHANGE		
		1970	1980	1990	2000 ²	1970-1980	1980-1990	1990-2000 ³
(0)	Total	81,864	102,019	111,823	123,626	2.3	1.3	1.3
(0)	Nonfarm wage and salary	70,725	90,043	99,044	119,108	2.4	1.3	1.3
(2)	Goods-producing (excluding agriculture)	23,576	25,650	24,681	24,578	.5	-.9	-
10-14	Mining	623	1,027	793	734	5.1	-4.4	-.8
15-17	Construction	3,586	4,346	4,804	5,794	1.9	2.0	1.2
20-39	Manufacturing	19,267	20,289	18,884	18,180	.5	-1.1	-.3
24, 25, 32-39	Durable	11,210	12,189	11,344	10,731	.8	-1.3	-.3
24	Lumber and wood products	848	691	711	686	.7	.5	-.2
25	Furniture and fixtures	440	485	487	569	.8	1.1	.8
32	Stone, clay, and glass products	644	662	580	535	.3	-2.0	-.6
33	Primary metal industries	1,280	1,142	763	574	-1.0	-6.7	-1.9
331	Steel furnaces and basic steel products	627	512	275	202	-2.0	-6.8	-2.2
34	Fabricated metal products	1,660	1,619	1,433	1,313	.3	-2.0	-.8
35	Machinery except electrical	1,394	2,494	2,069	2,129	2.3	-3.1	.2
3573	Electronic computing equipment	184	354	418	809	6.2	2.8	1.3
36	Electrical and electronic equipment ⁴	1,871	2,091	2,124	2,128	1.1	.3	-
3662	Radio and TV communication equipment	362	376	605	542	.4	4.9	.5
3674	Semiconductors and related devices	(NA)	223	289	289	(NA)	3.1	.5
37	Transportation equipment	1,862	1,900	2,016	1,887	.3	1.0	-1.2
371	Motor vehicles	798	789	885	746	.1	1.8	1.0
38	Instruments and related products	527	712	707	771	3.1	-.1	.8
39	Miscellaneous manufacturing	428	418	382	329	-.2	-2.4	-.7
20-23, 28-31	Nondurable	8,157	8,088	7,780	7,429	-.1	-.7	-.3
20	Food and kindred products	1,786	1,708	1,617	1,485	-.4	-.8	-.7
21	Tobacco manufactures	83	68	59	46	-1.8	-2.8	-1.8
22	Textile mill products	974	847	706	607	-1.4	-3.0	-1.1
23	Apparel and other textile products	1,364	1,284	1,105	884	-.8	-2.2	-1.3
26	Paper and allied products	705	693	675	655	-.2	-.4	.2
27	Printing and publishing	1,104	1,252	1,458	1,706	1.3	2.8	1.1
28	Chemicals and allied products	1,046	1,107	1,023	880	.5	-1.3	-.5
29	Petroleum and coal products	182	189	169	127	.3	-2.6	2.0
30	Rubber and miscellaneous plastics products	580	727	789	891	2.3	1.4	.8
31	Leather and leather products	220	223	152	99	-3.1	-6.8	-3.1
(0)	Service-producing	47,147	64,364	74,383	94,478	3.2	2.4	1.7
40-42, 44-49	Transportation and public utilities	4,517	5,146	5,244	5,719	1.3	.3	.8
40-42, 44-47	Transportation	2,886	2,982	3,041	3,500	.8	.4	1.0
48	Communications	1,130	1,357	1,279	1,222	1.8	-1.0	-.3
49	Public utilities	691	627	924	999	1.8	1.3	.8
50-51	Wholesale trade	2,993	5,275	5,735	7,286	2.9	1.4	1.7
52-59	Retail trade	11,048	15,035	17,845	22,702	3.1	2.8	1.7
58	Eating and drinking places	2,575	4,826	5,879	6,365	8.0	4.1	2.6
60-67	Finance, insurance, and real estate	3,646	5,159	6,297	7,917	3.5	3.4	1.7
70-85, 89	Services ²	11,380	17,528	22,831	32,545	4.4	4.3	2.7
70	Hotels and other lodging places	(NA)	1,078	1,401	1,871	(NA)	4.5	2.5
72	Personal services	886	901	1,104	1,367	-.8	3.4	1.5
73	Business services ³	1,878	3,082	4,781	6,121	6.3	7.5	3.9
734	Services to dwellings and other buildings	295	486	681	1,020	5.3	5.5	2.8
736	Personnel supply services	(NA)	363	1,017	1,851	(NA)	10.4	4.4
737	Computer and data processing services	(NA)	304	591	1,203	(NA)	11.7	5.2
7381, 2, 7	Research, management, and consulting services	(NA)	539	789	1,301	(NA)	8.5	3.6
79	Amusement and recreation services	468	784	915	1,204	5.0	3.1	2.0
80	Health services	3,053	5,278	8,551	9,774	5.8	3.7	2.8
801-4	Offices of health practitioners	(NA)	1,211	1,672	3,081	(NA)	5.5	4.4
805	Nursing and personal care facilities	(NA)	997	1,250	2,097	(NA)	3.8	3.8
806	Hospitals, private	1,863	2,760	3,038	3,513	4.0	1.7	1.0
807-9	Outpatient facilities and health services, n.e.c. ⁴	(NA)	320	591	1,103	(NA)	10.7	4.6
81	Legal services	236	489	748	1,287	7.9	7.0	3.8
82	Educational services	940	1,138	1,428	1,820	1.9	3.9	.8
83, 4, 6, 9	Social, membership, and miscellaneous services	(NA)	3,704	4,236	5,589	(NA)	2.5	1.8
(X)	Government	12,853	15,241	16,711	18,329	2.6	.5	.7
(X)	Federal government	2,731	2,866	2,889	3,000	.5	.2	.2
(X)	State and local government	9,822	13,375	13,812	15,329	3.1	.5	.7
01, 2, 7, 8, 9	Agriculture	3,808	3,426	3,252	2,917	.2	-.8	-.8
88	Private households	1,794	1,256	1,241	1,216	-3.5	-.2	-.1
(X)	Nonfarm self-employed and unpaid family workers	5,638	7,294	8,086	9,741	2.6	1.7	1.3

- Represents or rounds to zero. NA Not available. X Not applicable. ¹ Standard Industrial Classification; see text, section 13. ² Projections based on assumptions of moderate growth; see source for details.

³ Includes other industries, not shown separately. ⁴ N.e.c. means not elsewhere classified.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*

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NO. 647. UNEMPLOYED WORKERS—SUMMARY: 1972 TO 1987

[In thousands, except as indicated. For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. For data on unemployment insurance, see table 587. See also *Historical Statistics, Colonial Times to 1970*, series D 87-101]

ITEM AND CHARACTERISTIC	1972	1975	1980	1982	1982	1984	1985	1986	1987
UNEMPLOYED									
Total ¹	4,882	7,929	7,837	10,878	10,717	8,088	8,312	8,237	7,425
Labor force time lost ² (percent).....	5.9	9.1	7.9	11.0	10.9	8.6	6.1	7.9	7.1
16-19 years old.....	1,308	1,767	1,669	1,977	1,829	1,499	1,498	1,454	1,347
20-24 years old.....	1,132	1,865	1,835	2,382	2,330	1,838	1,739	1,651	1,453
25-44 years old.....	1,454	2,727	2,884	4,589	4,728	3,709	3,681	3,761	3,410
45-64 years old.....	876	1,413	1,075	1,613	1,716	1,394	1,331	1,279	1,135
65 years and over.....	111	155	94	107	114	97	93	91	78
Male.....	2,659	4,442	4,267	6,179	6,280	4,744	4,521	4,530	4,101
16-19 years old.....	711	988	913	1,000	1,003	812	805	779	732
20-24 years old.....	628	1,081	1,076	1,407	1,369	1,023	944	809	779
25-44 years old.....	750	1,493	1,619	2,670	2,709	2,050	1,950	2,054	1,858
45-64 years old.....	489	901	600	943	1,046	809	788	741	684
65 years and over.....	73	103	58	69	73	53	55	59	49
Female.....	2,222	3,486	3,370	4,493	4,457	3,794	3,791	3,707	3,324
16-19 years old.....	596	802	755	885	825	697	691	675	616
20-24 years old.....	503	783	760	985	981	615	794	752	674
25-44 years old.....	706	1,235	1,345	1,919	1,958	1,858	1,732	1,706	1,552
45-64 years old.....	378	612	473	670	671	539	566	539	453
65 years and over.....	36	52	36	38	41	45	39	33	30
White.....	3,806	6,421	5,884	6,241	6,128	6,372	6,191	6,140	5,501
16-19 years old.....	1,021	1,413	1,291	1,534	1,387	1,116	1,074	1,070	985
20-24 years old.....	867	1,474	1,384	1,770	1,678	1,282	1,235	1,149	1,017
Black.....	806	1,389	1,553	2,142	2,272	1,914	1,864	1,840	1,684
16-19 years old.....	279	330	343	398	392	353	357	347	312
20-24 years old.....	226	362	426	565	591	504	455	453	397
Hispanic ³	(NA)	508	620	929	951	600	811	857	751
Full-time workers.....	3,806	6,523	6,269	9,008	9,075	7,057	6,793	6,706	5,979
Part-time workers.....	1,077	1,406	1,369	1,672	1,642	1,481	1,519	1,529	1,445
UNEMPLOYMENT RATE (percent) ⁴									
Total ¹	5.8	8.5	7.1	9.7	8.0	7.5	7.2	7.0	6.2
16-19 years old.....	16.2	19.9	17.8	23.2	22.4	18.9	18.6	18.3	16.9
20-24 years old.....	9.3	13.6	11.5	14.9	14.5	11.5	11.1	10.7	9.7
25-44 years old.....	4.1	6.9	6.0	8.6	8.5	6.4	6.2	6.1	5.4
45-64 years old.....	3.1	5.0	3.7	5.6	5.9	4.8	4.5	4.3	3.8
65 years and over.....	3.6	5.2	3.1	3.5	3.7	3.3	3.2	3.0	2.5
Male.....	5.0	7.9	6.9	9.9	9.9	7.4	7.0	6.9	6.2
16-19 years old.....	15.9	20.1	18.3	24.4	23.3	19.6	19.5	19.0	17.8
20-24 years old.....	9.3	14.3	12.5	16.4	15.9	11.9	11.4	11.0	9.9
25-44 years old.....	3.3	6.1	5.6	8.7	8.8	6.3	5.9	6.0	5.3
45-64 years old.....	2.8	4.6	3.5	5.6	6.2	4.6	4.5	4.4	4.0
65 years and over.....	3.6	5.4	3.1	3.7	3.9	3.0	3.1	3.2	2.6
Female.....	6.6	9.3	7.4	9.4	9.2	7.6	7.4	7.1	6.2
16-19 years old.....	16.7	19.7	17.2	21.9	21.3	18.0	17.6	17.6	15.9
20-24 years old.....	9.4	12.7	10.4	13.2	12.9	10.9	10.7	10.3	9.4
25-44 years old.....	5.6	8.1	6.4	8.3	8.2	6.6	6.6	6.2	5.5
45-64 years old.....	3.5	5.6	4.0	5.6	5.6	4.9	4.6	4.2	3.5
65 years and over.....	3.5	5.0	3.1	3.2	3.4	3.8	3.3	2.8	2.4
White.....	5.1	7.8	6.3	8.6	8.4	6.5	6.2	6.0	5.3
16-19 years old.....	14.2	17.9	15.5	20.4	19.3	16.0	15.7	15.6	14.4
20-24 years old.....	8.4	12.3	9.9	12.8	12.1	9.3	9.2	8.7	8.0
Black.....	10.4	14.8	14.3	18.9	19.5	15.9	15.1	14.5	13.0
16-19 years old.....	35.4	39.5	36.5	48.0	48.5	42.7	40.2	39.3	34.7
20-24 years old.....	16.3	24.5	23.6	30.5	31.4	26.1	24.5	24.1	21.8
Hispanic ³	(NA)	12.2	10.1	13.8	13.7	10.7	10.5	10.6	8.8
Experienced workers ⁵	5.3	8.2	6.9	9.3	9.2	7.1	6.8	6.6	5.8
Women maintaining families ¹	7.2	10.0	9.2	11.7	12.3	10.4	10.5	9.9	9.3
White.....	5.8	6.5	7.3	9.4	9.2	7.8	6.1	7.8	6.8
Black.....	(NA)	(NA)	14.0	18.0	20.2	16.7	16.4	15.4	15.4
Married men, wife present ¹	2.8	5.1	4.2	6.5	6.5	4.6	4.3	4.4	3.9
White.....	2.6	4.8	3.9	6.0	6.0	4.3	4.0	4.0	3.6
Black.....	4.5	8.7	7.4	11.5	11.3	8.1	6.0	8.0	6.5
Percent without work for—									
Less than 5 weeks.....	45.9	37.1	43.1	36.4	33.3	39.2	42.1	41.9	43.7
5-10 weeks.....	22.5	22.2	23.4	21.7	19.4	20.6	22.2	22.6	21.6
11-14 weeks.....	7.6	9.1	9.0	9.4	8.0	8.1	8.0	8.4	7.9
15-26 weeks.....	12.3	16.4	13.8	16.0	15.4	12.9	12.3	12.7	12.7
27 weeks and over.....	11.8	15.2	10.7	16.6	23.9	19.1	15.4	14.4	14.0
Unemployment duration, average (weeks)....	12.1	14.2	11.9	15.6	20.0	18.2	15.8	15.0	14.5

NA Not available. ¹ Includes other races, not shown separately. ² Aggregate hours lost by the unemployed and persons on part-time for economic reasons as a percent of potentially available labor force hours. ³ Hispanic persons may be of any race. ⁴ Unemployed as percent of civilian labor force in specified group. ⁵ Wage and salary workers.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, and unpublished data.

NO. 646. UNEMPLOYED PERSONS BY SEX AND REASON, 1970 TO 1987, AND BY DURATION, 1987

[In thousands, except as indicated. For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. Based on Current Population Survey; see text, section 1 and Appendix B]

SEX AND REASON UNEMPLOYED	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987			
											Total	Duration of unemployment (percent)		
												Less than 6 weeks	6 to 14 weeks	15 weeks and over
Male	2,236	4,442	3,126	4,867	4,577	5,179	5,980	4,744	4,521	4,888	4,761	38.4	38.7	38.8
Job losers.....	1,198	2,809	1,867	2,549	2,321	4,278	4,331	2,978	2,746	2,725	2,432	33.7	33.8	33.5
Job leavers.....	282	375	427	436	435	380	386	375	400	520	484	45.7	30.4	28.9
Reentrants.....	533	782	673	776	650	946	933	857	876	605	761	47.4	38.9	33.4
New entrants.....	224	377	352	405	472	805	589	526	467	480	413	50.5	38.9	30.6
Female	1,388	3,486	3,018	3,370	3,689	4,489	4,487	3,784	3,781	3,797	3,294	48.1	38.4	31.5
Job losers.....	614	1,478	988	1,297	1,446	1,980	1,828	1,446	1,380	1,308	1,134	38.0	31.2	28.7
Job leavers.....	257	452	453	454	489	450	444	449	468	494	471	51.7	38.8	18.5
Reentrants.....	606	1,110	1,139	1,151	1,252	1,438	1,469	1,317	1,380	1,355	1,219	54.5	27.9	17.6
New entrants.....	279	447	486	486	509	821	827	594	552	549	506	58.3	38.3	15.4

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, and Bulletin 2307.

NO. 648. UNEMPLOYMENT RATES BY EDUCATIONAL ATTAINMENT, SEX, AND RACE: 1970 TO 1988

[In percent. As of March. Civilian noninstitutional population 25 to 64 years of age. Based on Current Population Survey; see text, section 1 and Appendix B]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Total ¹	5.3	8.9	5.8	4.5	4.4	3.0	5.8	7.5	8.0	8.6	6.1	6.1	5.7	4.7
High school: 1-3 years.....	4.6	10.7	8.0	7.4	7.2	8.4	10.1	12.5	15.8	12.1	11.4	11.6	11.1	8.8
4 years.....	2.9	6.9	5.8	4.6	4.4	5.1	6.2	8.5	10.0	7.2	6.9	6.9	6.9	5.4
College: 1-3 years.....	2.9	5.6	5.0	3.3	3.5	4.3	4.5	6.4	7.3	5.3	4.7	4.7	4.5	3.7
4 years or more.....	1.3	2.5	2.8	2.2	2.1	1.9	2.2	3.0	3.5	2.7	2.4	2.3	2.3	1.7
Male: Total ¹	2.8	6.7	5.3	4.2	4.0	4.8	5.8	7.9	8.8	6.9	6.1	6.2	6.0	5.1
High school: 1-3 years.....	4.0	10.6	8.6	7.1	6.6	8.2	10.2	12.7	16.1	12.3	11.2	11.7	11.2	10.1
4 years.....	2.4	6.7	5.1	4.2	4.2	5.3	6.5	9.3	11.9	8.1	7.2	7.4	6.7	6.2
College: 1-3 years.....	2.7	5.1	4.5	3.1	3.2	4.4	4.4	6.8	8.4	5.2	4.5	4.7	5.0	3.9
4 years or more.....	1.1	2.2	2.4	1.9	1.7	1.7	1.9	2.9	3.4	2.7	2.4	2.3	2.5	1.6
Female: Total ¹	4.0	7.4	6.5	5.0	4.9	3.0	5.7	7.2	7.9	6.1	6.0	5.6	5.2	4.2
High school: 1-3 years.....	6.7	10.6	8.7	7.9	8.3	6.9	10.0	12.2	15.3	11.7	11.7	11.4	10.9	8.9
4 years.....	3.6	7.1	6.2	4.9	4.7	5.0	5.8	7.8	8.0	6.3	6.5	6.3	5.8	4.6
College: 1-3 years.....	3.1	6.3	5.7	3.6	3.8	4.1	4.6	6.3	6.0	5.3	4.8	4.6	4.0	3.4
4 years or more.....	1.6	3.4	3.6	2.6	2.3	2.2	2.7	3.3	3.7	2.7	2.5	2.4	2.1	1.9
White: Total ¹	3.1	6.6	5.3	4.0	3.9	4.4	6.1	8.8	8.0	6.7	6.3	5.5	5.0	4.0
High school: 1-3 years.....	4.6	10.1	8.4	6.7	6.5	7.8	9.2	12.2	15.0	10.9	10.6	10.9	10.2	8.9
4 years.....	2.7	6.5	5.2	4.0	3.9	4.8	5.8	7.8	8.8	6.4	6.1	6.2	5.5	4.6
College: 1-3 years.....	2.8	5.1	4.8	2.9	3.1	3.9	4.0	5.4	6.5	4.6	3.9	4.2	4.1	3.2
4 years or more.....	1.3	2.4	2.8	2.0	2.0	1.8	2.1	2.8	3.1	2.4	2.1	2.2	2.2	1.5
Black: Total ^{1,2}	4.7	10.9	10.1	8.9	8.8	9.8	11.4	13.9	16.6	13.3	12.0	10.7	10.5	10.0
High school: 1-3 years.....	6.2	13.5	11.7	10.7	10.6	11.7	14.3	14.4	19.8	17.4	15.3	15.3	14.8	15.7
4 years.....	6.2	10.7	10.1	8.9	8.3	8.5	11.8	16.4	18.9	14.5	13.0	11.7	11.7	11.2
College: 1-3 years.....	3.5	6.8	10.5	6.7	6.7	8.0	9.5	12.5	13.3	8.7	10.6	8.7	7.5	7.4
4 years or more.....	.9	3.8	2.8	4.2	3.9	4.0	4.0	7.1	8.1	6.2	5.4	3.2	4.2	3.3

¹ Includes persons reporting no school years completed. ² For 1970 and 1975, data refer to Black and other workers.

Source: U.S. Bureau of Labor Statistics, *Labor Force Statistics Derived from the Current Population Survey, 1948-87*, and unpublished data.

NO. 650. UNEMPLOYMENT RATES BY INDUSTRY, 1975 TO 1987, AND BY SEX, 1980 AND 1987

[For civilian noninstitutional population 16 years old and over. Rate represents unemployment as a percent of labor force in each specified group. Annual averages of monthly figures. Beginning 1985, data not strictly comparable with earlier years due to changes in industrial classification]

INDUSTRY	1975	1980	1982	1984	1985	1986	1987	MALE		FEMALE	
								1980	1987	1980	1987
All unemployed ¹	6.5	7.1	6.8	7.5	7.2	7.9	6.2	6.8	6.2	7.4	6.9
Industry: ²											
Agriculture.....	10.9	11.0	18.0	13.5	19.2	12.8	10.8	9.7	10.3	15.1	11.2
Mining.....	4.1	6.4	17.0	10.0	9.5	13.5	10.0	6.8	10.7	4.5	5.7
Construction.....	18.0	14.1	18.4	14.3	13.1	13.1	11.8	14.7	12.0	8.5	7.7
Manufacturing.....	10.9	8.5	11.2	7.3	7.7	7.1	8.0	7.4	5.4	10.7	7.2
Transportation and public utilities.....	5.6	4.8	7.4	5.3	5.1	5.1	4.5	5.1	4.5	4.4	4.2
Wholesale and retail trade.....	8.7	7.4	10.0	8.0	7.5	7.8	4.8	6.8	6.2	6.3	7.7
Finance, insurance, and real estate.....	4.8	2.4	4.5	3.7	3.5	3.5	3.1	3.2	3.2	3.5	3.1
Services.....	7.1	5.9	7.9	8.8	8.2	6.1	5.4	6.2	5.3	5.7	6.2
Government.....	4.1	4.1	5.3	4.5	3.9	3.9	3.9	3.6	3.5	4.3	3.4

¹ Includes the self-employed, unpaid family workers, and persons with no previous work experience, not shown separately.

² Covers unemployed wage and salary workers.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

NO. 651. UNEMPLOYMENT AND UNEMPLOYMENT RATES BY OCCUPATION, 1963 TO 1967, AND BY SEX, 1967

[For civilian noninstitutional population 16 years old and over. Beginning 1965, annual averages of monthly data; 1963 data estimated, see text, section 13. Rate represents unemployment as a percent of the labor force for each specified group. Based on Current Population Survey, see text, section 1, and Appendix B.]

OCCUPATION	NUMBER (1,000)			UNEMPLOYMENT RATE				
	1963	1965	1967	1963	1965	1967		
						Total	Male	Female
Total¹	16,717	8,512	7,425	9.6	7.2	6.2	6.2	6.2
Managerial and professional specialty	786	646	600	3.9	2.4	2.9	2.2	2.4
Executive, administrative, and managerial	388	329	300	3.5	2.6	2.6	2.4	2.9
Professional specialty	398	316	300	3.0	2.3	2.0	2.0	2.1
Technical sales, and administrative support	2,116	1,894	1,586	6.3	4.9	4.9	3.7	4.7
Technicians and related support	152	110	104	4.7	3.3	3.0	3.2	2.8
Sales occupations	960	702	691	6.7	5.3	4.9	3.4	6.4
Administrative support, including clerical	1,114	882	786	6.4	4.9	4.2	4.5	4.1
Service occupations	1,897	1,386	1,259	10.9	8.8	7.7	7.5	7.9
Private household	79	69	55	7.4	8.4	5.6	7.9	5.5
Protective service	129	95	84	8.7	4.7	4.7	4.3	7.0
Service except private household and protective	1,488	1,233	1,110	11.8	8.5	8.3	8.7	8.1
Precision production, craft, and repair	1,469	1,036	875	10.6	7.2	6.1	6.0	6.4
Mechanics and repairs	344	225	191	7.8	4.9	4.1	4.1	3.5
Construction trades	709	531	470	14.2	10.1	8.8	8.5	14.4
Other precision production, craft, and repair	412	291	214	8.6	6.4	5.0	4.7	5.9
Operators, fabricators, and laborers	2,955	2,140	1,820	15.6	11.3	9.4	9.3	9.9
Machine operators, assemblers, inspectors	1,411	890	777	15.4	11.1	8.9	8.0	10.0
Transportation and material moving occupations	596	422	306	12.4	8.5	7.2	7.3	6.1
Handlers, equipment cleaners, helpers, laborers	948	739	677	19.8	14.3	12.4	12.7	11.0
Construction laborers	207	166	169	25.8	21.3	19.6	19.6	(9)
Farming, forestry, and fishing	407	315	299	9.9	8.3	7.1	7.0	7.6

B Base is less than 35,000. ¹ Includes persons with no previous work experience and those whose last job was in the Armed Forces.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

NO. 652. RANGE OF UNEMPLOYMENT MEASURES BASED ON VARYING DEFINITIONS OF UNEMPLOYMENT AND THE LABOR FORCE: 1967 TO 1967

[In percent. Annual averages of monthly figures. Based on Current Population Survey, see text, section 1, and Appendix B.]

MEASURE	1967	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Persons unemployed 15 weeks or longer as a percent of the civilian labor force	.8	.8	2.7	1.7	2.1	3.2	3.6	2.4	2.0	1.9	1.7
Job losers as a percent of the civilian labor force	1.6	2.2	4.7	3.7	3.9	5.7	5.6	3.6	3.6	3.4	3.0
Unemployed persons 25 years and over as a percent of the civilian labor force	2.6	3.3	6.0	5.1	5.4	7.4	7.5	5.8	5.6	5.4	4.8
Unemployed full-time jobseekers as a percent of the full-time civilian labor force	3.4	4.5	8.1	6.9	7.3	9.6	9.5	7.2	6.6	6.6	5.8
Total unemployed as a percent of the labor force, including the resident Armed Forces ¹	3.7	4.8	9.3	7.0	7.5	9.5	9.5	7.4	7.1	6.8	6.1
Total unemployed as a percent of the civilian labor force ¹	3.6	4.9	8.5	7.1	7.6	9.7	9.6	7.5	7.2	7.0	6.2
Total full-time jobseekers plus 1/2 part-time jobseekers plus 1/2 total on part-time for economic reasons as a percent of the civilian labor force less 1/2 of the part-time labor force	5.1	6.3	10.5	9.2	9.6	12.6	12.6	10.1	9.6	9.4	8.5
Total full-time jobseekers plus 1/2 part-time jobseekers plus 1/2 total on part-time for economic reasons plus discouraged workers as a percent of the civilian labor force plus discouraged workers less 1/2 of the part-time labor force	6.1	7.1	11.6	10.1	10.6	14.0	13.9	11.2	10.6	10.3	9.3

¹ Current unemployment rate definition.

Source: U.S. Bureau of Labor Statistics, *Labor Force Statistics Derived from the Current Population Survey, 1968-1987*

NO. 653. TOTAL UNEMPLOYED AND INSURED UNEMPLOYED—STATES: 1960 TO 1967

For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. Total unemployment estimates based on the Current Population Survey (CPS); see text, section 1, and Appendix III. U.S. totals derived by independent population controls; therefore State data may not add to U.S. totals.

DIVISION AND STATE	TOTAL UNEMPLOYED ¹										INSURED UNEMPLOYED			
	Number (1,000)					Percent ²					Number (1,000)		Percent ³	
	1960	1964	1965	1966	1967	1960	1964	1965	1966	1967	1960	1967	1966	1967
U.S.	7,637	8,836	8,312	8,257	7,426	7.1	7.8	7.2	7.6	6.2	2,667	2,267	2.6	2.4
N. Eng.: ME	36	34	30	30	25	7.8	6.1	5.4	5.3	4.4	12.2	10.1	2.5	2.2
NH	22	22	21	16	15	4.7	4.3	3.9	2.8	2.5	3.8	2.6	.8	.8
VT	16	14	13	14	11	6.4	5.2	4.8	4.7	3.6	5.3	4.3	2.5	1.9
MA	162	145	121	117	99	5.6	4.6	3.9	3.8	3.2	64.1	53.2	2.9	1.9
RI	34	28	25	21	20	7.2	6.2	4.9	4.0	3.6	13.0	11.5	3.1	2.7
CT	94	77	63	65	56	8.9	4.6	4.9	3.8	3.3	24.6	23.2	1.9	1.9
Mid. Atl.: NY	597	564	544	565	412	7.5	7.2	6.5	6.3	4.6	190.7	170.4	2.6	2.2
NJ	259	229	218	186	180	7.2	6.2	5.7	5.0	4.0	85.9	71.2	2.6	2.1
PA	425	466	442	366	336	7.9	8.1	8.0	6.6	5.7	164.5	132.8	3.7	2.9
E. So. Cent.: OH	426	480	456	426	367	6.4	6.4	6.9	6.1	7.0	118.0	103.8	2.8	2.4
IN	252	226	215	188	175	6.6	6.6	7.9	6.7	6.4	44.5	36.4	3.2	1.7
IL	468	512	513	481	423	6.3	6.1	6.0	6.1	7.4	142.9	121.0	3.2	2.8
MI	534	467	433	385	308	10.4	11.2	12.0	8.8	8.2	108.7	88.6	3.2	3.5
WI	167	175	171	166	162	7.2	7.3	7.2	7.0	6.1	56.0	70.7	3.1	3.7
W. So. Cent.: MN	125	141	133	116	122	5.8	6.5	6.0	5.3	5.4	44.6	36.3	2.5	2.1
IA	82	66	113	100	80	6.8	7.0	8.0	7.0	5.5	29.1	22.0	2.8	2.2
MO	167	171	156	184	164	7.2	7.2	6.4	6.1	6.3	51.4	46.3	2.8	2.4
ND	15	17	20	21	17	6.0	6.1	6.9	6.9	5.2	7.5	5.9	3.4	2.7
SD	16	15	16	16	15	4.9	4.3	5.1	4.7	4.2	3.2	2.8	1.5	1.2
NE	31	36	44	40	40	4.1	4.4	5.6	5.0	4.9	12.8	10.8	2.1	1.8
KS	53	63	62	67	62	4.6	5.2	6.0	5.4	4.9	24.5	21.9	2.6	2.4
So. Atl.: DE	22	19	17	14	15	7.7	6.2	5.3	4.3	3.2	6.7	3.4	2.6	1.2
MD	140	121	109	102	102	6.5	5.4	4.6	4.5	4.2	35.6	30.5	2.1	1.7
DC	24	29	27	25	21	7.3	9.0	8.4	7.7	6.9	6.5	7.9	2.1	1.9
VA	128	149	161	145	126	5.0	5.0	5.6	5.0	4.2	23.2	21.0	1.9	.9
WV	74	115	100	86	61	9.4	15.0	13.0	11.6	10.6	23.6	16.6	4.9	3.6
NC	167	204	177	170	146	6.6	6.7	6.4	5.3	4.5	49.3	41.6	1.9	1.6
SC	96	106	107	100	91	6.9	7.1	6.6	6.2	5.6	27.8	22.1	2.3	1.9
GA	163	166	167	176	167	6.4	6.0	6.5	5.9	5.5	43.5	40.6	1.8	1.6
FL	251	320	319	320	312	6.9	6.3	6.0	6.7	5.3	66.0	51.7	1.4	1.1
E. So. Cent.: KY	133	160	161	156	146	6.0	6.9	6.6	6.9	6.6	37.2	28.7	3.2	2.4
TN	152	160	160	165	154	7.3	6.6	6.0	6.0	6.6	44.3	39.6	2.5	2.2
AL	147	200	180	165	147	6.8	11.1	8.9	8.8	7.8	42.7	36.9	3.2	2.7
MS	79	116	115	136	117	7.5	10.6	10.3	11.7	10.2	31.4	26.5	3.2	3.2
W. So. Cent.: AR	76	88	91	94	86	7.6	8.9	6.7	6.7	6.1	27.5	26.6	3.6	3.4
LA	121	166	229	224	224	6.7	10.0	11.5	13.1	12.0	61.1	60.7	5.4	4.2
OK	66	116	112	131	115	4.6	7.0	7.1	6.2	7.4	35.6	34.5	3.3	3.3
TX	362	466	564	729	667	5.2	5.9	7.0	6.6	6.4	169.7	147.2	2.6	2.3
Mid. MT	29	30	31	39	30	6.1	7.4	7.7	6.1	7.4	10.1	9.6	4.0	3.4
ID	34	33	37	41	36	7.9	7.2	7.9	6.7	6.0	15.1	13.0	4.8	4.1
WY	9	16	16	22	21	4.9	6.3	7.1	6.0	6.6	7.6	6.7	3.6	3.1
CO	66	97	101	126	130	5.9	5.6	5.6	7.4	7.7	32.8	32.1	2.4	2.4
NM	42	47	67	62	61	7.5	7.5	6.6	6.2	6.9	16.5	13.7	3.6	2.9
AZ	63	71	66	110	101	6.7	5.0	6.5	6.6	6.2	24.7	26.2	3.0	1.9
UT	40	46	43	45	45	6.3	6.5	5.9	6.0	6.4	13.7	12.7	2.5	2.3
NV	27	36	41	32	36	6.2	7.9	6.0	6.0	6.3	12.0	11.6	3.6	2.9
Pac.: WA	167	164	171	179	171	7.9	6.5	6.1	6.2	7.6	64.7	60.1	4.1	3.6
OR	106	125	117	114	85	6.3	6.4	6.6	6.6	6.2	42.1	35.6	4.2	3.6
CA	790	961	931	662	792	6.6	7.9	7.2	6.7	5.6	361.7	336.5	3.5	3.0
AK	16	25	24	26	27	9.7	10.6	9.7	10.6	10.6	16.7	13.3	5.0	6.7
HI	21	27	27	24	20	4.9	5.6	5.6	4.8	3.6	6.6	7.1	2.1	1.7

¹ Source: U.S. Bureau of Labor Statistics, *Geographic Profile of Employment and Unemployment*, annual; and unpublished data.
² Total unemployment as percent of civilian labor force. ³ Insured unemployment as percent of average covered employment in the previous year.
 Source: Except as noted, U.S. Employment and Training Administration, *Employment and Training Report of the Secretary*, annual.

NO. 654. U.S. EMPLOYMENT SERVICE JOB OPENINGS AND PLACEMENTS, AND INDEX OF HELP-WANTED ADVERTISING: 1970 TO 1967

[In thousands, except as indicated. Openings and placements 1970-1966, for years ending Sept. 30; beginning 1966, for years ending June 30]

ITEM	1970	1975	1960	1961	1966	1966	1964	1966	1966	1967
Job openings: ¹ Received	8,130	7,929	6,122	7,546	6,180	6,464	² 5,144	³ 5,144	6,086	7,204
Average per month	511	657	677	669	613	541	² 572	³ 572	391	600
Nonagricultural placements ¹	4,804	4,374	6,610	6,666	2,864	3,012	² 2,867	³ 2,870	2,947	4,608
Index of help-wanted advertising in newspapers ⁴ (1967=100)	98	99	126	116	65	66	130	130	130	169

NA Not available. ¹ As reported by State employment agencies. Beginning 1966, all placements. ² Data for nine months from Oct. 1966 to June 1967. ³ Source: The Conference Board, New York, NY, *The Statistical Bulletin*. Further permission. ⁴ Based on number of advertisements in classified sections of 51 newspapers, 1967-1969. Source: unpublished data.

**NO. 655. NONAGRICULTURAL ESTABLISHMENTS—EMPLOYEES, HOURS, AND EARNINGS, BY INDUSTRY:
1960 TO 1967**

[Based on data from establishment reports. Includes all full- and part-time employees who worked during, or received pay for, any part of the pay period reported. Excludes proprietors, the self-employed, farmworkers, unpaid family workers, private household workers, and Armed Forces. Establishment data shown here conform to industry definitions in the 1972 Standard Industrial Classification Manual and are adjusted to March 1967 employment benchmarks; consequently, may not be comparable with previously published data. Based on the Current Employment Statistics Program; see Appendix B. See also *Historical Statistics, Colonial Times to 1970*, series D 127-141 and D 803, 878, 881, 884, and 885]

ITEM AND YEAR	Total	NONAGRICULTURAL ESTABLISHMENTS									GROUPED INDUSTRIES	
		Mining	Construction	Manufacturing	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services	Government	Goods-related ¹	Service-related and all other
EMPLOYED (1,000)												
1960	54,189	712	2,526	16,796	4,004	3,143	8,246	2,626	7,378	8,363	20,434	33,785
1965	60,766	632	3,232	18,062	4,036	3,466	9,250	2,977	9,036	10,074	21,926	38,839
1970	70,880	623	3,568	19,367	4,515	3,893	11,047	3,845	11,548	12,554	23,576	47,302
1975	76,945	752	3,525	18,323	4,542	4,415	12,645	4,165	13,892	14,686	22,600	54,345
1980	90,406	1,027	4,346	20,286	5,146	5,275	15,036	5,160	17,890	16,241	25,656	64,746
1982	99,566	1,126	3,906	16,781	5,062	5,276	15,179	5,341	19,036	15,837	23,813	66,752
1983	90,200	952	3,948	16,434	4,954	5,266	15,613	5,466	19,694	15,870	23,334	66,866
1984	94,486	956	4,363	19,376	5,159	5,555	16,545	5,669	20,797	16,024	24,727	69,769
1985	97,519	927	4,673	19,260	5,236	5,717	17,356	5,956	22,000	16,394	24,659	72,890
1986	99,525	777	4,816	18,986	5,266	5,763	17,890	6,263	23,063	16,893	24,568	74,967
1987	102,310	721	4,996	18,065	5,865	5,872	18,509	6,549	24,196	17,016	24,764	77,525
PERCENT DISTRIBUTION												
1960	100.0	1.3	5.4	31.0	7.4	5.8	15.2	4.9	13.6	15.4	37.7	62.3
1965	100.0	1.0	5.3	29.7	6.7	5.7	15.2	4.9	14.9	16.6	36.1	63.9
1970	100.0	.9	5.1	27.3	6.4	5.6	15.6	5.1	16.3	17.7	33.3	66.7
1975	100.0	1.0	4.6	23.8	5.9	5.7	16.4	5.4	18.0	19.1	29.4	70.6
1980	100.0	1.1	4.8	22.4	5.7	5.8	16.6	5.7	19.6	18.0	26.4	73.6
1982	100.0	1.3	4.4	21.0	5.7	5.9	16.9	6.0	21.3	17.7	26.6	73.4
1983	100.0	1.1	4.4	20.4	5.6	5.8	17.3	6.1	21.8	17.6	25.8	74.1
1984	100.0	1.0	4.6	20.5	5.5	5.9	17.5	6.0	22.0	17.0	26.2	73.8
1985	100.0	1.0	4.8	19.7	5.4	6.0	17.8	6.1	22.6	16.6	25.5	74.5
1986	100.0	.8	4.8	19.1	5.3	6.0	18.0	6.3	23.2	16.6	24.7	75.3
1987	100.0	.7	4.9	18.6	5.3	5.7	18.1	6.4	23.8	16.6	24.2	75.8
AVERAGE WEEKLY HOURS ²												
1960	36.6	40.4	36.7	36.7	(NA)	40.5	36.0	37.2	(NA)			
1965	36.8	42.3	37.4	41.2	41.3	40.8	36.6	37.2	36.9			
1970	37.1	42.7	37.3	39.6	40.5	39.9	33.8	36.7	34.4			
1975	36.1	41.9	36.4	39.5	39.7	39.7	32.4	36.5	33.5			
1980	35.3	43.3	37.0	39.7	39.8	39.5	30.2	36.2	32.6			
1982	34.8	42.7	36.7	39.9	39.0	39.3	29.9	36.2	32.6	(NA)	(NA)	(NA)
1983	36.0	42.5	37.1	40.1	39.0	39.5	29.8	36.2	32.7			
1984	36.2	43.3	37.8	40.7	39.4	39.5	29.8	36.5	32.6			
1985	34.9	43.4	37.7	40.5	39.5	39.4	29.4	36.4	32.5			
1986	34.8	42.2	37.4	40.7	39.2	39.3	29.2	36.4	32.5			
1987	34.8	42.4	37.6	41.0	39.2	39.1	29.2	36.3	32.5			
AVERAGE HOURLY EARNINGS												
1960	\$2.09	\$2.00	\$3.07	\$2.26	(NA)	\$2.24	\$1.52	\$2.02	(NA)			
1965	2.46	2.82	3.70	2.81	\$3.03	2.81	1.82	2.39	\$2.05			
1970	3.23	3.85	5.24	3.35	3.85	3.44	2.44	3.07	2.81			
1975	4.53	5.95	7.31	4.83	5.86	4.73	3.36	4.06	4.02			
1980	6.86	9.17	9.94	7.27	8.87	6.96	4.86	5.79	5.85			
1982	7.86	10.77	11.63	8.49	10.32	8.09	5.48	6.78	6.92	(NA)	(NA)	(NA)
1983	8.02	11.26	11.84	8.63	10.79	8.65	5.74	7.29	7.31			
1984	8.32	11.63	12.19	9.19	11.12	8.89	5.85	7.83	7.59			
1985	8.57	11.96	12.32	9.54	11.40	9.16	5.94	7.94	7.90			
1986	8.76	12.46	12.48	9.73	11.70	9.35	6.03	8.36	8.18			
1987	8.96	12.52	12.69	9.91	12.05	9.59	6.11	8.73	8.48			
AVERAGE WEEKLY EARNINGS ²												
1960	\$61	\$106	\$113	\$80	(NA)	\$91	\$58	\$75	(NA)			
1965	95	124	188	108	\$125	108	67	89	\$74			
1970	120	164	196	123	156	137	82	113	97			
1975	164	249	296	191	233	193	109	146	136			
1980	236	397	399	299	361	298	147	210	191			
1982	267	480	427	330	402	310	164	245	226	(NA)	(NA)	(NA)
1983	281	379	443	354	421	329	171	264	239			
1984	293	504	459	374	436	342	174	279	247			
1985	299	520	464	389	450	352	175	299	257			
1986	305	526	467	395	469	356	176	304	266			
1987	313	531	480	408	472	365	178	317	276			

NA Not available. ¹ Mining, construction, and manufacturing. ² See footnote, table 651

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

NO. 656. EMPLOYEES IN NONAGRICULTURAL ESTABLISHMENTS—STATES: 1975 TO 1987

(In thousands. For coverage, see headnote, table 655. National totals differ from the sum of the State figures because of differing benchmarks among States and differing industrial and geographic stratification. Based on 1972 Standard Industrial Classification Manual, see text, section 13)

DIVISION AND STATE	1975	1980	1985	1988	Total ¹	1987						
						Construction	Manufacturing	Transportation and public utilities	Wholesale and retail trade	Finance, insurance, and real estate	Services	Government
U.S.	78,846	90,408	97,519	99,925	102,590	4,988	19,086	5,386	24,381	6,549	24,186	17,816
N. Eng.	4,667	5,481	6,067	6,233	6,386	317	—	264	1,502	481	1,029	—
ME	357	418	458	477	501	31	104	20	124	25	108	—
NH	293	365	406	480	514	37	118	17	130	32	114	65
VT	162	200	225	234	244	18	49	10	58	12	—	39
MA	2,273	2,852	2,928	2,985	3,046	137	587	128	—	217	847	—
RI	349	398	429	443	451	19	117	18	103	28	113	58
CT	1,223	1,427	1,562	1,804	1,699	77	384	72	366	180	365	202
Mid. Atl.	13,986	16,021	16,886	16,186	16,567	719	2,840	888	3,883	1,319	4,380	2,628
NY	8,830	7,207	7,751	7,804	8,053	330	1,222	406	—	781	2,201	1,400
NJ	2,700	3,080	3,414	3,481	3,569	188	676	238	881	227	674	542
PA	4,436	4,753	4,730	4,791	4,915	222	1,042	245	1,123	282	1,274	686
E. No. Cent.	16,189	16,728	16,841	17,186	17,571	888	4,136	888	4,216	1,008	3,329	2,887
OH	4,016	4,367	4,373	4,471	4,579	177	1,095	207	1,087	243	1,051	888
IN	1,942	2,130	2,168	2,222	2,304	100	618	118	547	115	450	348
IL	4,419	4,650	4,755	4,791	4,898	181	832	296	—	358	1,165	719
MI	3,137	3,443	3,562	3,657	3,713	121	988	150	855	179	818	814
WI	1,877	1,838	1,883	2,024	2,080	—	526	94	496	112	455	327
W. No. Cent.	6,886	8,806	7,163	7,368	7,418	388	1,316	429	1,863	488	1,888	1,234
MN	1,474	1,770	1,885	1,893	1,980	82	375	100	488	120	474	314
IA	989	1,110	1,074	1,074	1,107	35	213	52	281	85	248	211
MO	1,741	1,970	2,095	2,143	2,186	100	420	143	538	135	503	—
ND	204	245	252	250	252	11	16	16	67	13	61	65
SD	209	238	249	252	255	10	29	12	67	14	61	—
NE	558	626	651	653	659	24	—	43	170	48	150	136
KS	801	945	985	985	1,000	45	176	61	251	59	—	188
S. Atl.	12,104	14,886	16,789	17,404	18,123	1,129	3,136	840	4,383	1,082	4,188	3,288
DE	230	259	283	303	320	20	70	14	71	27	73	46
MD	1,479	1,712	1,888	1,952	2,018	180	207	93	517	124	536	389
DC ²	577	616	629	640	655	18	16	25	63	37	230	289
VA	1,779	2,167	2,455	2,558	2,678	—	429	142	610	144	628	528
WV	575	648	687	688	—	23	86	36	139	24	125	128
NC	1,980	2,380	2,551	2,744	2,868	169	665	141	—	127	—	441
SC	983	1,189	1,298	1,338	1,393	—	373	—	310	65	242	256
GA	1,756	2,159	2,570	2,872	2,783	152	589	175	682	—	536	478
FL	2,746	3,578	4,410	4,589	4,853	341	530	286	1,318	380	1,305	734
E. So. Cent.	4,411	5,143	5,384	5,516	5,687	389	1,351	386	1,308	272	1,084	1,053
KY	1,058	1,210	1,260	1,274	1,313	59	280	—	315	61	274	239
TN	1,506	1,747	1,888	1,930	2,009	97	495	103	474	102	407	324
AL	1,155	1,358	1,427	1,463	1,502	74	388	72	332	71	275	300
MS	882	829	839	848	864	34	228	42	—	—	138	182
W. So. Cent.	7,236	9,310	10,217	10,021	9,918	484	1,488	881	—	684	2,136	1,880
AR	624	742	797	814	835	34	220	51	—	36	153	—
LA	1,250	1,579	1,581	1,519	—	80	164	104	363	—	—	313
OK	900	1,138	1,165	1,124	1,105	—	154	63	288	59	232	248
TX	4,483	5,861	6,883	6,584	6,488	—	988	384	1,842	443	1,430	1,143
Mt.	3,433	4,802	5,111	5,178	5,238	291	888	308	1,388	317	1,332	1,832
MT	238	280	279	278	274	9	21	80	73	13	84	89
ID	273	330	336	326	334	14	54	18	85	19	—	73
WY	146	210	207	188	180	10	8	13	40	8	32	51
CO	984	1,251	1,419	1,408	1,400	89	184	64	350	99	332	282
NM	370	465	521	528	530	32	38	—	128	27	123	138
AZ	729	1,014	1,279	1,338	1,384	102	187	72	340	94	344	233
UT	440	551	624	634	639	27	82	38	153	34	147	141
NV	283	400	446	468	489	30	23	28	101	23	222	—
Pac.	16,418	13,978	14,378	14,748	15,280	736	2,862	794	3,648	1,027	2,738	2,611
WA	1,226	1,808	1,710	1,770	1,839	87	317	98	453	107	—	368
OR	837	1,045	1,030	1,089	1,094	35	205	58	276	72	242	205
CA	7,847	9,849	10,979	11,268	11,858	582	2,105	883	2,755	804	2,800	1,889
AK	162	188	231	221	210	11	14	18	41	11	—	88
HI	343	405	426	439	458	21	22	37	123	34	126	98

¹ Includes mining, not shown separately.

² Represents Washington, DC metropolitan area.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly. Compiled from data supplied by cooperating State agencies.

NO. 657. NONAGRICULTURAL INDUSTRIES—NUMBER OF EMPLOYEES, AND NUMBER AND EARNINGS OF PRODUCTION WORKERS: 1960 TO 1967

Annual averages of monthly figures. Covers all full- and part-time employees who worked during, or received pay for, any part of the pay period including the 12th of the month. For mining and manufacturing, data refer to production and related workers; for construction, to employees engaged in actual construction work, and for other industries, to nonsupervisory employees and working supervisors. See also headnote, table 655. See *Historical Statistics, Colonial Times to 1970*, series D 127-151, D 602-610, and D 877-882, for related data.

SIC code	INDUSTRY	ALL EMPLOYEES, TOTAL (1,000)			PRODUCTION WORKERS					
					Total (1,000)			Average hourly earnings (dollars)		
		1960	1966	1967	1960	1966	1967	1960	1966	1967
(X)	Total	90,406	97,518	102,310	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
(X)	Private sector ²	74,186	81,128	86,296	66,331	66,868	68,000	8.86	8.57	8.88
(B)	Mining	1,027	927	721	782	688	516	8.17	11.86	12.52
10	Metal mining	88	46	43	74	34	33	10.26	13.38	12.91
11, 12	Coal mining	246	187	183	204	153	133	10.86	15.24	15.78
13	Oil and gas extraction	560	563	405	380	367	264	8.50	11.06	11.50
14	Nonmetallic minerals, except fuels	123	110	110	96	84	84	7.52	10.18	10.61
(C)	Construction	4,346	4,673	4,986	3,421	3,669	3,902	9.94	12.32	12.89
15	General building contractors	1,173	1,253	1,326	900	935	968	9.22	11.23	11.71
16	Heavy construction contractors	927	793	768	746	652	643	9.20	12.06	12.07
17	Special trade contractors	2,246	2,626	2,904	1,776	2,072	2,291	10.66	12.90	13.31
(D)	Manufacturing	30,286	19,280	19,086	14,214	13,062	12,868	7.27	9.54	9.91
(X)	Durable goods	12,187	11,480	11,218	■	7,844	7,463	7.75	10.10	10.43
24	Lumber and wood products, except furniture ⁴	691	697	740	578	■	619	6.55	8.22	8.40
241	Logging camps and logging contractors	88	84	85	71	67	71	6.84	10.92	10.69
242	Sawmills and planing mills	215	195	201	190	172	177	6.70	8.52	8.57
243	Millwork, plywood, and structural members	200	228	280	■	■	215	6.41	8.06	8.33
244	Wood containers	43	41	42	37	35	36	4.95	5.81	6.16
2451	Mobile homes	46	51	47	36	41	36	6.08	7.34	7.96
25	Furniture and fixtures ⁴	486	484	518	378	394	415	■	7.17	7.67
251	Household furniture	301	286	308	253	247	260	5.12	6.56	7.07
252	Office furniture	50	66	67	40	50	51	5.91	8.06	8.68
254	Partitions and fixtures	63	69	75	47	51	54	6.88	8.89	9.14
32	Stone, clay and glass products ⁴	682	588	582	513	451	450	7.50	9.84	10.25
321	Flat glass	18	18	15	14	12	12	9.85	13.79	14.48
322	Glass and glassware, pressed ⁴	124	91	87	106	77	75	7.87	10.78	11.39
324	Cement, hydraulic	31	23	21	25	16	16	10.56	13.27	13.45
325	Structural clay products	46	36	36	34	29	30	6.14	8.01	8.50
326	Pottery and related products	46	37	37	38	29	29	6.26	8.67	■
327	Concrete, gypsum, and plaster products	204	206	211	157	160	164	7.45	9.80	10.01
33	Primary metal industries ⁴	1,142	808	748	676	612	564	9.77	11.67	11.94
331	Blast furnaces and basic steel products	512	303	289	396	■	204	11.39	13.39	13.78
332	Iron and steel foundries	209	141	130	167	112	103	8.20	10.51	10.76
333	Primary nonferrous metals	71	45	40	63	33	28	10.63	13.74	12.88
336	Nonferrous rolling and drawing	211	■	■	151	133	130	8.81	11.05	11.41
338	Nonferrous foundries	90	67	86	72	70	69	7.30	9.32	9.53
34	Fabricated metal products ⁴	1,613	1,486	1,407	1,195	1,084	1,044	7.45	9.70	10.00
341	Metal cans and shipping containers	75	58	56	63	50	46	9.84	13.10	13.24
342	Cutlery, hand tools, and hardware	164	142	133	125	105	96	7.02	9.71	9.90
343	Plumbing and heating, exc. electric	70	63	61	50	45	43	6.62	8.67	9.21
344	Fabricated structural metal products	513	443	427	365	309	303	7.26	■	8.29
346	Screw machine products, bolts, etc	108	96	92	84	74	71	6.98	9.11	9.78
348	Metal forgings and stampings	264	249	234	207	200	■	6.86	11.62	11.80
35	Machinery, except electrical ⁴	2,494	2,174	2,023	1,602	1,307	1,189	8.00	10.29	10.70
351	Engines and turbines	135	105	89	87	66	57	9.73	13.02	13.39
352	Farm and garden machinery	169	88	94	116	86	83	8.78	9.93	9.90
353	Construction and related machinery	389	253	213	255	156	127	8.60	10.91	11.00
354	Metalworking machinery	373	310	289	273	222	■	8.18	10.59	11.11
355	Special industry machinery	207	168	■	133	100	96	7.51	10.18	10.68
356	General industrial machinery	324	268	247	212	171	159	7.98	10.06	10.37
357	Office and computing machines	432	514	485	188	189	182	6.74	9.32	10.27
358	Refrigeration and service industry	174	172	176	120	■	126	7.23	10.09	10.41
36	Electric and electronic equipment ⁴	2,091	2,197	2,084	1,328	1,300	1,222	6.84	9.46	9.86
361	Electric distributing equipment	123	113	109	86	81	76	6.96	6.63	9.23
362	Electrical industrial apparatus	240	188	182	169	136	125	7.12	9.52	9.81
363	Household appliances	163	136	136	129	106	108	6.95	9.23	9.93
364	Electric lighting and wiring equipment	209	188	182	156	144	139	■	8.67	9.14
365	Radio and TV receiving equipment	109	84	■	79	57	56	6.42	9.33	9.22
366	Communication equipment	541	653	608	267	291	255	7.93	11.25	11.73
367	Electronic components and assemblies	554	693	627	334	379	357	6.05	8.30	8.90
37	Transportation equipment ⁴	1,900	1,980	■	1,233	1,257	1,291	9.35	12.71	12.95
371	Motor vehicles and equipment	789	864	866	575	665	672	9.86	13.39	13.66
372	Aircraft and parts	662	636	701	366	304	360	9.28	12.62	13.16
373	Ship and boat building and repairs	221	187	187	178	140	141	8.22	10.61	10.36
374	Railroad equipment	71	33	27	63	23	19	9.93	12.53	12.07

See footnotes at end of table.

NO. 657. NONAGRICULTURAL INDUSTRIES—NUMBER OF EMPLOYEES, AND NUMBER AND EARNINGS OF PRODUCTION WORKERS: 1980 TO 1987—Continued

[See headnote, p. 399]

SIC ¹ code	INDUSTRY	ALL EMPLOYEES, TOTAL (1,000)			PRODUCTION WORKERS					
		1980	1985	1987	Total (1,000)			Average hourly earnings (dollars)		
					1980	1985	1987	1980	1985	1987
38	Instruments and related products.....	711	720	696	426	391	379	8.80	9.17	9.71
381	Engineering and scientific instruments.....	77	84	83	37	37	38	7.12	9.82	10.64
382	Measuring and controlling devices.....	245	254	236	154	141	133	8.85	8.94	9.57
383	Optical instruments and lenses.....	33	34	34	18	17	16	7.32	10.17	10.52
384	Medical instruments and supplies.....	186	174	187	101	104	112	5.80	8.15	8.66
385	Ophthalmic goods.....	44	40	37	31	26	25	5.30	6.84	7.39
386	Photographic equipment and supplies.....	135	123	107	67	57	46	8.83	12.06	13.16
387	Watches, clocks, and watchcases.....	22	12	11	17	8	8	5.24	6.87	7.15
39	Misc. manufacturing industries ⁴	416	367	370	313	264	270	5.46	7.30	7.75
391	Jewelry, silverware, plated ware.....	56	55	54	40	37	37	5.76	7.76	8.34
394	Toys and sporting goods.....	117	96	97	66	70	73	5.01	6.65	7.13
395	Pens, pencils, office and art supplies.....	37	33	33	27	22	23	5.88	7.70	7.88
396	Costume jewelry and notions.....	51	41	41	41	31	32	4.71	5.91	6.30
(x)	Nondurable goods.....	6,086	7,779	7,847	5,772	5,449	5,543	6.56	8.71	9.16
20	Food and kindred products ⁴	1,708	1,803	1,824	1,175	1,118	1,146	6.65	8.57	8.94
201	Meat products.....	358	362	365	298	306	325	6.99	7.23	7.46
202	Dairy products.....	175	183	183	98	96	96	6.86	9.17	9.63
203	Preserved fruits and vegetables.....	256	236	242	210	194	199	5.84	7.81	8.27
204	Grain mill products.....	144	125	126	99	85	87	7.67	10.36	10.83
206	Bakery products.....	225	210	209	131	125	127	7.21	9.69	10.04
208	Sugar and confectionery products.....	106	96	94	79	75	74	6.57	8.63	9.16
207	Fats and oils.....	44	35	34	32	26	25	7.03	8.80	9.27
209	Beverages.....	234	214	203	106	92	87	6.12	11.36	11.86
21	Tobacco manufactures.....	69	64	54	54	48	41	7.74	11.98	14.03
211	Cigarettes.....	46	44	40	35	32	30	9.23	14.71	16.78
22	Textile mill products ⁴	846	702	725	737	607	629	5.07	6.70	7.17
221	Weaving mills, cotton.....	150	106	101	136	95	91	5.25	7.01	7.53
222	Weaving mills, synthetic.....	116	90	87	104	80	76	5.30	7.15	7.71
223	Weaving and finishing mills, wool.....	19	17	16	16	15	15	5.21	7.07	7.86
224	Narrow fabric mills.....	23	22	23	20	19	20	4.63	6.39	6.72
225	Knitting mills.....	220	188	213	191	172	187	4.76	6.15	6.55
226	Textile finishing, except wool.....	74	59	60	62	45	51	5.38	7.12	7.47
227	Floor covering mills.....	54	54	58	44	44	47	5.20	6.92	7.51
228	Yarn and thread mills.....	125	101	111	113	90	100	4.76	6.26	6.80
23	Apparel and other textile products ⁴	1,264	1,121	1,100	1,079	845	924	4.56	5.73	5.93
231	Men's and boys' suits and coats.....	77	63	66	67	55	60	5.34	6.65	6.70
232	Men's and boys' furnishings.....	362	312	307	310	270	265	4.23	5.27	5.46
233	Women's and misses outerwear.....	417	362	353	360	302	294	4.61	5.56	5.70
234	Undergarments ⁴	90	77	73	78	65	60	4.15	5.29	5.50
236	Children's outerwear.....	64	61	59	56	51	50	4.20	5.07	5.26
238	Misc. apparel, accessories.....	56	44	42	46	36	35	4.48	5.60	5.71
26	Paper and allied products.....	693	676	679	523	512	516	7.84	10.63	11.43
261, 2, 6	Paper and pulp mills.....	203	197	191	152	149	145	9.15	13.14	14.00
263	Paperboard mills.....	65	58	54	51	42	41	9.29	13.80	14.30
264	Misc. converted paper products.....	220	229	232	163	168	172	6.89	9.33	9.90
265	Paperboard containers and boxes.....	205	197	202	157	152	156	6.84	9.24	9.76
27	Printing and publishing ⁴	1,252	1,426	1,507	699	789	842	7.53	9.71	10.26
271	Newspapers.....	420	451	471	164	189	173	7.72	9.77	10.22
272	Periodicals.....	90	113	121	18	29	45	7.16	10.20	10.72
273	Books.....	101	107	111	52	54	59	6.76	8.70	9.35
275	Commercial printing.....	414	483	526	307	356	362	7.65	10.05	10.66
278	Blankbooks and bookbinding.....	62	70	73	51	57	58	5.78	7.63	8.17
28	Chemicals and allied products ⁴	1,107	1,044	1,026	626	578	578	8.30	11.56	12.37
281	Industrial inorganic chemicals.....	181	142	131	87	72	67	9.07	12.80	13.56
282	Plastics materials and synthetics.....	205	172	166	137	114	110	8.21	11.71	12.59
283	Drugs.....	196	206	215	97	96	99	7.69	10.75	11.62
284	Soap, cleaners, and toilet goods.....	141	146	154	86	94	98	7.67	10.26	10.90
285	Paints and allied products.....	65	64	62	33	31	31	7.39	10.06	10.84
287	Agricultural chemicals.....	72	66	62	45	37	32	6.12	11.03	11.91
29	Petroleum and coal products ⁴	198	179	165	125	109	108	10.10	14.06	14.58
291	Petroleum refining.....	156	141	127	93	82	81	10.94	15.25	15.75
295	Paving and roofing materials.....	31	26	26	24	20	20	7.69	10.56	11.42
30	Rubber and misc. plastics products.....	727	786	823	559	607	639	6.52	8.54	8.91
301	Tires and inner tubes.....	115	94	86	81	65	62	9.74	13.21	14.07
31	Leather and leather products ⁴	233	166	144	197	137	120	4.58	5.83	6.08
311	Leather tanning and finishing.....	19	15	14	16	12	12	6.10	7.62	8.14
314	Footwear except rubber.....	144	99	85	123	84	73	4.42	5.53	5.76
317	Handbags, personal leather goods.....	30	21	17	25	17	13	4.33	5.61	5.83

See footnotes at end of table.

NO. 657. NONAGRICULTURAL INDUSTRIES—NUMBER OF EMPLOYEES, AND NUMBER AND EARNINGS OF PRODUCTION WORKERS, 1980 TO 1987—Continued

[See headnote, p. 398]

SIC code	INDUSTRY	ALL EMPLOYEES TOTAL (1,000)			PRODUCTION WORKERS					
					Total (1,000)			Average hourly earnings (dollars)		
		1980	1985	1987	1980	1985	1987	1980	1985	1987
(E)	Transp. and public utilities ¹	5,148	5,238	5,385	4,293	4,339	4,464	8.87	11.40	12.03
40	Railroad transportation	532	358	309	(?)	(?)	(?)	(?)	(?)	(?)
4011	Class I railroads ²	482	323	271	(?)	(?)	(?)	9.92	13.64	14.29
41	Local and interurban passenger transit	265	278	295	244	257	272	6.34	7.68	8.28
42	Trucking and warehousing	1,280	1,383	1,484	1,121	1,187	1,274	9.13	10.52	10.80
45	Air transportation	453	552	604	(?)	(?)	(?)	(?)	(?)	(?)
46	Pipelines, except natural gas	21	19	18	15	13	13	10.50	15.26	15.36
47	Transportation services	198	276	298	(?)	(?)	(?)	(?)	(?)	(?)
48	Communication ³	1,357	1,320	1,283	1,014	1,006	980	8.50	11.75	12.44
481	Telephone communication	1,072	921	905	779	687	669	8.72	12.45	13.19
483	Radio and television broadcasting	200	236	238	160	194	194	7.44	10.26	10.81
49	Electric, gas, and sanitary services ⁴	827	915	925	677	729	734	8.90	12.83	13.79
491	Electric services	391	448	446	318	349	341	9.12	12.94	13.65
492	Gas production and distribution	168	175	186	138	137	131	8.27	11.76	13.02
493	Combination utility services	197	203	205	162	166	168	9.64	14.93	16.17
495	Sanitary services	49	64	82	43	56	71	7.04	9.47	10.19
(F)	Wholesale trade	5,276	5,717	5,872	4,312	4,888	4,704	8.96	9.16	9.58
(G)	Retail trade ⁴	18,036	17,366	18,509	13,500	15,457	16,454	4.88	5.94	6.11
53	General merchandise stores	2,245	2,324	2,432	2,090	2,174	2,280	4.77	5.92	6.48
54	Food stores	2,384	2,775	2,957	2,202	2,567	2,724	6.24	7.35	8.05
56	Apparel and accessory stores	957	1,041	1,108	820	875	938	4.30	5.25	5.56
57	Furniture and home furnishings stores	806	735	800	502	608	663	5.53	7.13	7.49
58	Eating and drinking places	4,826	5,708	6,127	4,256	5,194	5,578	3.69	4.33	4.42
(H)	Finance, insurance, real estate	5,180	5,865	6,549	3,807	4,415	4,807	8.79	7.94	8.73
60	Banking	1,571	1,708	1,734	1,210	1,251	1,250	4.94	6.84	7.51
61	Credit agencies other than banks	570	750	891	431	570	687	5.12	7.21	7.93
62	Security commodities brokers, services	227	355	446	(?)	(?)	(?)	(?)	(?)	(?)
63	Insurance carriers	1,224	1,292	1,418	854	883	956	8.29	8.81	9.56
64	Insurance agents, brokers, services	452	542	604	(?)	(?)	(?)	(?)	(?)	(?)
65	Real estate	981	1,132	1,242	(?)	(?)	(?)	(?)	(?)	(?)
66, 67	Other finance, insurance, real estate	135	180	215	(?)	(?)	(?)	(?)	(?)	(?)
(I)	Services ⁴	17,890	22,000	24,186	15,821	19,368	21,188	5.85	7.90	8.48
70	Hotels and other lodging places	1,076	1,336	1,481	(?)	(?)	(?)	(?)	(?)	(?)
701	Hotels, motels, and tourist courts	1,038	1,280	1,434	954	1,158	1,279	4.45	5.83	6.16
72	Personal services ⁵	901	1,058	1,147	(?)	(?)	(?)	(?)	(?)	(?)
721	Laundry, cleaning, garment services	356	379	404	318	336	360	4.47	5.79	6.18
723	Beauty shops	284	334	353	264	302	318	4.26	6.09	6.36
73	Business services ⁶	3,092	4,457	5,172	2,606	3,863	4,429	6.02	8.19	8.73
731	Advertising	153	198	212	116	145	158	8.07	10.74	11.68
736	Personnel supply services ⁴	563	916	1,198	(?)	(?)	(?)	(?)	(?)	(?)
7361	Employment agencies	(?)	160	181	(?)	(?)	(?)	(?)	(?)	(?)
7362	Temporary help supply services	(?)	708	939	(?)	(?)	(?)	(?)	(?)	(?)
737	Computer data process, services ⁴	304	542	647	254	447	508	7.16	10.98	12.20
7372	Computer programming and software	(?)	195	243	(?)	(?)	(?)	(?)	(?)	(?)
7374	Data processing services	(?)	258	296	(?)	(?)	(?)	(?)	(?)	(?)
75	Auto repair services, garages	571	731	798	488	614	664	6.10	7.40	7.80
753	Automobile repair shops	350	446	473	297	372	391	6.52	7.99	8.42
78	Motion pictures	217	225	234	191	190	197	7.88	12.12	11.92
783	Motion picture theaters	124	108	108	(?)	(?)	(?)	(?)	(?)	(?)
79	Amusement, recreation services	784	840	894	692	740	787	5.52	6.94	6.95
80	Health services ⁴	5,278	6,299	6,828	4,712	5,807	6,072	5.88	8.08	8.70
806	Nursing, personnel care facilities	997	1,199	1,288	898	1,085	1,164	4.17	5.61	6.00
808	Hospitals	2,750	2,997	3,154	2,522	2,732	2,877	6.08	9.00	9.64
808	Outpatient care facilities	180	216	264	(?)	(?)	(?)	(?)	(?)	(?)
81	Legal services	498	694	797	427	588	688	7.35	10.52	11.99
82	Educational services	1,138	1,362	1,436	(?)	(?)	(?)	(?)	(?)	(?)
83	Social services	1,134	1,354	1,493	(?)	(?)	(?)	(?)	(?)	(?)
88	Membership organizations	1,539	1,520	1,580	(?)	(?)	(?)	(?)	(?)	(?)
(J)	Government	16,241	16,384	17,016	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
(K)	Federal government	2,868	2,875	2,943	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
(K)	State government	3,610	3,632	3,963	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
(K)	Local government	9,765	9,887	10,109	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available X Not applicable ¹ Standard Industrial Classification, see text, section 13. ² Excludes government.
³ 11-month average. ⁴ Includes industries not shown separately. ⁵ Includes blind. ⁶ Women's and children's.
⁷ Included in totals, not available separately. ⁸ For changes in "Class 1" classification, see text, section 21. ⁹ Includes all
employees except executives, officials, and staff assistants who received pay during the month. ¹⁰ 1982 data.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly

NO. 888. INDEXES OF OUTPUT PER HOUR FOR ALL EMPLOYEES—SELECTED INDUSTRIES: 1975 TO 1986

(See text, section 13. Minus sign (—) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series W 14, 17, and 19, W 30-54, and W 62-65)

SIC ¹ code	INDUSTRY	INDEXES (1977 = 100)								AVERAGE ANNUAL PERCENT CHANGE ²	
		1975	1980	1981	1982	1983	1984	1985	1986, <i>prel.</i>	1975-1986	1981-1986
(B)	Mining:										
1011	Iron (usable ore)	117.8	123.2	130.6	98.2	136.8	171.7	167.8	178.1	4.8	11.0
1021	Copper (recoverable ore)	71.2	81.8	97.7	118.2	130.8	163.9	183.1	238.5	8.5	18.1
111 121	Coal	108.3	112.8	122.2	118.2	136.1	151.3	164.0	185.7	4.8	7.2
14	Nonmetallic minerals ³	93.6	98.6	94.7	98.3	98.2	105.5	107.4	108.7	9	3.6
(D)	Manufacturing:										
2011 2013	Red meat products	84.4	107.0	107.9	112.3	115.9	117.0	118.8	122.1	3.0	2.4
2026	Fluid milk	96.5	123.9	128.0	155.3	142.4	147.7	152.3	(na)	+5.2	+4.4
203	Preserved fruits, vegetables	93.7	100.8	99.2	107.9	110.4	113.1	112.6	(na)	+1.8	+3.1
204	Grain mill products	87.1	105.3	110.8	121.0	125.5	132.8	144.9	(na)	+4.8	+6.5
205	Bakery products	93.4	93.7	96.2	103.3	108.9	108.8	108.5	(na)	+1.6	+2.8
2086	Bottled, canned soft drinks	87.2	108.8	114.3	118.3	127.0	138.3	145.3	148.0	4.8	8.0
2111 21 31	Tobacco products	93.8	102.1	100.5	100.7	105.1	110.3	113.4	114.7	1.8	3.1
2211 21	Cotton, synthetic broad woven fabric	98.7	104.9	107.4	112.5	121.6	119.9	123.8	130.3	3.8	3.6
2251 52	Hosiery	84.3	107.4	122.0	114.2	116.0	119.7	118.3	118.8	2.0	1
2281	Nonwool yarn mills	101.2	99.7	103.1	118.2	128.5	129.6	134.5	129.2	2.3	4.8
2421	Sawmills, planing mills	98.8	104.2	107.9	115.1	126.8	122.3	139.2	154.8	3.9	7.1
2431	Millwork	100.2	93.6	94.4	88.1	87.9	88.7	85.7	(na)	+1.8	+2.0
2435 38	Veneer and plywood	97.8	102.8	108.8	114.4	121.1	120.0	121.3	(na)	+2.6	+3.1
251	Household furniture	87.5	99.9	103.0	104.7	110.2	112.3	112.5	116.8	1.8	2.6
2611 21 31 81	Paper, paperboard, pulp mills	88.7	105.2	104.1	111.3	119.5	121.0	120.3	128.8	3.1	3.6
2653	Corrugated, solid fiber boxes	98.2	111.0	108.8	111.9	114.0	118.9	122.5	127.3	2.3	3.1
281	Industrial inorganic chemicals	88.5	94.3	91.4	86.3	94.2	108.0	102.8	(na)	+5	+4.6
2823 24	Synthetic fibers	94.5	115.7	120.9	103.8	126.2	125.3	135.8	148.2	4.3	8.3
2834	Pharmaceuticals	92.5	108.0	104.2	107.0	115.2	114.3	111.8	114.8	1.9	1.8
2844	Cosmetics	94.0	83.6	78.1	84.0	86.2	85.2	88.7	(na)	+1.8	+2.8
2851	Plastics, allied products	94.2	100.8	99.8	108.5	111.5	119.0	117.3	122.1	2.2	4.0
2888	Industrial organic chemicals, n.e.c.	85.3	88.9	103.9	87.2	105.3	114.0	112.4	(na)	+1.8	+4.3
2911	Petroleum refining	88.7	94.2	83.7	79.4	81.8	82.5	102.8	114.9	8	7.3
3011	Tires, inner tubes	91.9	102.4	118.1	128.2	136.1	146.8	146.7	148.1	4.7	4.7
3079	Miscellaneous plastics	98.2	95.7	98.5	110.1	107.3	110.5	113.0	(na)	+2.4	+2.8
314	Footwear	101.3	98.1	95.6	108.4	103.9	105.7	107.3	107.4	8	1.6
3271 72	Concrete products	91.9	90.4	88.5	91.0	97.6	98.2	100.5	(na)	+3	+2.6
331	Steel	93.3	102.9	112.0	80.9	116.8	131.3	138.5	141.9	2.4	7.7
3321	Gray iron foundries	97.0	90.8	82.7	83.7	98.3	108.8	104.2	102.2	5	2.6
3353 54 55	Aluminum rolling, drawing	87.5	100.0	95.8	98.2	110.4	118.2	115.8	125.8	2.3	5.4
3433	Heating equip. except electric	80.4	98.7	94.6	102.3	93.2	102.0	87.7	(na)	+1.4	+6
3441	Fabricated structural metal	97.4	102.1	98.5	99.5	103.0	107.9	117.7	(na)	+1.2	+4.5
3465 5 9	Metal stampings	93.2	99.8	101.4	98.1	104.7	110.4	104.7	(na)	+1.1	+1.8
3519	Internal combustion engines	88.7	94.3	93.2	82.0	86.8	98.8	102.7	(na)	+1	+4.0
352	Farm, garden machinery	97.7	93.3	95.1	84.9	95.3	105.2	101.7	(na)	+1	+2.4
3531	Construction machinery equipment	93.9	97.4	98.1	88.9	88.2	102.8	104.1	105.3	3	2.1
3541 42	Machine tools	103.0	98.8	96.5	88.5	83.5	94.0	82.0	85.2	-1.2	5
3581 83	Pumps and compressors	91.4	100.2	102.4	85.9	100.2	108.1	108.3	(na)	+1.0	+2.2
3585	Refrigeration, heating equipment	88.9	93.8	99.4	100.1	100.9	105.4	103.7	(na)	+1.1	+1.4
3621	Motors, generators	93.0	98.7	100.4	102.4	104.3	107.9	110.5	(na)	+1.4	+2.5
3631 2 3 9	Major household appliances	93.6	105.8	107.6	108.6	117.6	123.8	127.2	135.7	3.1	4.9
3651	Radio and TV sets	90.1	116.9	133.8	163.9	188.1	238.9	248.8	258.9	10.9	14.4
3674	Semiconductors	58.0	148.4	171.8	197.8	211.5	229.2	208.1	218.4	12.2	4.1
371	Motor vehicles, equipment	97.7	80.8	93.1	98.8	109.6	115.7	121.1	123.3	2.7	6.3
3825	Instruments to measure electricity	95.9	108.4	111.9	119.2	121.8	133.7	130.4	(na)	+3.6	+4.3
(E, G, H, I)	Transportation, utilities, trade:										
401	RR transport (revenue traffic) ⁴	88.5	107.3	111.5	115.8	141.8	162.8	182.1	179.8	6.2	10.4
411 31	Bus carriers ⁵	87.0	109.8	80.7	98.8	86.4	80.9	88.2	(na)	+7	+1.4
414											
4213 pt.	Intercity trucking ⁶	88.2	94.3	86.7	80.3	101.0	102.5	97.2	(na)	+4	+8
4511	Air transportation ⁷	87.6	108.2	104.9	114.9	126.8	131.7	138.5	138.1	3.8	5.7
4812 13	Petroleum pipelines	96.7	83.0	88.0	88.2	94.3	104.5	104.9	107.8	8	9.0
4811	Telephone communications	85.9	118.1	124.4	129.1	145.1	143.0	149.8	158.8	8.8	4.8
491 92 93	Gas and electric utilities	95.7	96.2	94.4	89.3	88.1	91.4	80.5	88.8	-1.0	6
5251	Hardware stores ⁸	97.9	111.4	107.3	108.9	107.0	112.8	111.4	118.1	1.5	1.7
5311	Department stores	88.9	101.0	108.0	107.4	114.9	122.1	125.0	130.3	3.1	4.5
54	Retail food stores ⁹	100.7	98.9	95.2	93.5	93.9	93.6	94.2	93.0	8	3
5511	Franchised new car dealers	86.0	98.6	98.1	100.4	109.4	110.4	108.7	111.3	1.4	2.6
5541	Gasoline service stations ⁹	85.8	104.3	105.8	110.7	118.1	121.0	122.8	126.6	3.1	3.8
56	Apparel, accessory stores ⁹	106.3	120.1	127.1	130.8	137.8	146.8	152.2	162.8	4.5	5.1
57	Furniture, furnishings, equip. stores ⁹	91.9	107.4	112.8	109.2	116.4	128.1	131.0	141.2	3.8	5.1
58	Eating, drinking places ⁹	101.0	98.5	97.0	98.8	87.1	94.9	93.5	96.3	8	4
5812	Drug, proprietary stores ⁹	94.2	107.0	107.8	107.9	110.1	105.0	100.3	97.0	5	2.2
592	Liquor stores ⁹	96.5	101.9	103.7	107.8	101.7	98.1	105.9	108.1	8	5
602	Commercial banking	90.0	82.7	90.5	93.2	101.7	104.8	108.2	(na)	+1.0	+5.0
7011	Hotels, motels, tourist courts ⁹	88.7	85.0	91.6	88.8	95.4	102.1	97.5	92.8	(2)	1.2
721	Laundry, cleaning services ⁹	98.9	90.8	88.1	90.2	90.1	82.1	87.0	84.9	1.4	-8
723 724	Beauty and barber shops	98.7	102.9	109.2	108.3	114.1	103.9	98.5	98.7	4	2.8
753	Automotive repair shops ⁹	101.8	98.0	93.8	87.7	86.2	88.5	98.2	94.1	1.3	9

NA, Not available. ² Less than .05 percent. Standard inclusion of average annual percent change, see source.

³ Class 1, fire-haul railroads and switching and terminal comp.

⁴ Refers to output per employee. ⁵ Data relate to all persons (r

Source: U.S. Bureau of Labor Statistics, Bulletin 2886, *Products 1982-86*; and unpublished data.

⁶ See text, section 13. ⁷ For employees from 1975 to 1986 and 1981 to 1986.

⁸ Includes carriers regulated by the ICC.

⁹ Family workers, and the self-employed.

U.S. Statistics and Government Services

No. 659. INDEXES OF PRODUCTIVITY AND RELATED MEASURES: 1960 TO 1987

[See text, section 13. Minus sign (-) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series D 689-704 and W 22-25]

ITEM	1960	1965	1970	1975	1980	1983	1984	1985	1986	1987
INDEXES (1977 = 100)										
Output, per hour, business sector	67.6	81.0	88.4	95.7	99.3	103.0	105.6	107.7	110.1	111.0
Nonfarm business	71.0	83.4	89.3	96.0	96.8	102.5	104.6	106.1	108.2	109.0
Manufacturing	62.2	76.6	80.8	92.9	101.4	112.0	118.1	123.6	127.7	132.0
Output, ¹ business sector	55.4	70.0	80.3	89.4	106.7	109.9	119.2	124.2	126.6	133.3
Nonfarm business	54.6	69.5	80.0	88.1	106.7	110.1	119.2	123.9	126.2	133.0
Manufacturing	52.5	71.7	78.6	84.9	103.2	104.7	117.5	122.0	124.7	130.1
Hours, ² business sector	81.9	86.4	90.8	93.4	107.5	106.7	112.9	115.3	116.8	120.1
Nonfarm business	76.9	83.3	89.7	92.6	106.0	107.5	114.0	116.8	118.5	122.1
Manufacturing	84.4	83.8	97.3	91.4	101.7	93.5	99.5	98.7	97.7	98.6
Compensation per hour, ³ business sector	33.6	41.5	57.8	85.2	131.5	181.5	188.0	175.5	183.1	190.4
Nonfarm business	35.3	42.5	58.2	85.6	131.3	181.5	187.8	174.9	182.3	189.4
Manufacturing	36.5	42.7	57.4	85.1	132.4	182.4	188.0	176.4	183.0	186.9
Real hourly compensation, ³ business sector	68.9	79.8	90.3	96.0	98.7	98.2	96.0	98.8	101.2	101.5
Nonfarm business	72.3	81.8	90.9	98.4	96.8	96.3	97.9	98.5	100.6	101.0
Manufacturing	74.8	82.2	89.6	95.9	97.4	96.8	98.0	99.3	101.2	99.7
Unit labor costs, ⁴ business sector	49.7	51.2	65.4	89.0	132.5	158.7	159.1	162.9	166.3	171.5
Nonfarm business	49.7	50.9	65.2	89.2	132.9	157.6	160.4	164.8	168.6	173.8
Manufacturing	56.7	55.8	71.0	91.7	130.6	145.0	142.2	142.7	143.3	141.7
ANNUAL PERCENT CHANGE⁵										
Output per hour, business sector	1.7	3.0	7	2.0	-3	2.7	2.5	2.1	2.2	6
Nonfarm business	1.1	2.5	3	1.8	4	3.3	2.1	1.4	2.0	8
Output, ¹ business sector	1.8	6.3	-9	2.1	11	4.2	8.4	4.2	3.5	3.6
Nonfarm business	1.7	6.4	1.1	2.3	1.2	5.0	6.3	3.9	3.5	3.6
Hours, ² business sector	1	3.2	-1.6	4.0	-8	1.5	5.7	2.1	1.3	2.8
Nonfarm business	6	3.6	1.3	4.0	-7	1.6	6.0	2.5	1.5	3.0
Compensation per hour, ³ business sector	4.3	3.8	7.3	9.7	10.5	4.2	4.1	4.5	4.3	4.0
Nonfarm business	4.4	3.4	7.0	9.7	10.5	4.3	3.9	4.2	4.2	3.8
Real hourly compensation, ³ business sector	2.5	2.2	1.5	6	2.7	1.0	-2	9	2.4	3
Nonfarm business	2.6	1.7	1.2	5	-2.7	1.1	-4	6	2.3	2
Unit labor costs, ⁴ business sector	2.6	9	6.5	7.6	10.9	1.4	1.5	2.4	2.1	3.1
Nonfarm business	3.3	8	6.7	7.8	11.0	1.0	1.8	2.8	2.2	3.1

¹ Refers to gross domestic product originating in the sector, in 1982 prices. ² Hours of all persons engaged in the business and nonfarm business sectors (employees, proprietors, and unpaid family workers); employees' and proprietors' hours in manufacturing. ³ Wages and salaries of employees plus employers' contributions for social insurance and private benefit plans. Also includes an estimate of same for self-employed. Real compensation deflated by the consumer price index for all urban consumers, see text, section 15. ⁴ Hourly compensation divided by output per paid hour. ⁵ All changes are from the immediately prior year.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, and unpublished data.

No. 660. AVERAGE ANNUAL TOTAL COMPENSATION AND WAGES AND SALARIES PER FULL-TIME EQUIVALENT EMPLOYEE, BY INDUSTRY: 1980 TO 1987

[In dollars, except percent. Wage and salary payments include executives' compensation, bonuses, tips, and payments in kind. Total compensation includes, in addition to wages and salaries, employer contributions for social insurance, employer contributions to private pension and welfare funds, directors' fees, jury and witness fees, etc.]

INDUSTRY	ANNUAL TOTAL COMPENSATION					ANNUAL WAGES AND SALARIES				
	1980	1984	1985	1986	1987	1980	1984	1985	1986	1987
Domestic industries	18,815	24,277	25,266	25,268	27,334	15,767	20,163	21,079	21,939	22,802
Average annual percent change ¹	8.4	6.6	4.1	4.0	4.1	7.8	6.4	4.5	4.1	4.4
Agriculture, forestry, and fisheries	9,836	12,189	12,833	13,267	13,661	8,588	10,536	11,088	11,456	11,865
Mining	26,181	37,106	38,367	39,956	40,769	23,405	30,777	32,035	33,119	33,937
Construction	22,033	28,791	27,581	28,628	29,754	18,571	22,061	22,768	23,590	24,585
Manufacturing	22,023	28,620	29,999	31,251	32,065	17,954	23,244	24,549	25,580	26,355
Transportation	25,029	30,306	30,896	31,433	32,070	20,850	24,811	25,305	25,872	26,191
Communication	26,341	37,981	39,980	41,642	43,594	22,079	29,376	31,381	32,805	34,533
Electric, gas, and sanitary services	27,358	37,544	39,429	41,292	42,992	21,701	29,632	31,669	33,234	34,744
Wholesale trade	21,598	27,632	28,653	30,129	31,364	18,822	23,864	25,013	26,111	27,269
Retail trade	12,490	15,310	15,625	16,263	16,766	10,953	13,284	13,602	14,130	14,593
Finance, insurance, and real estate	18,956	26,168	26,014	30,275	32,262	15,871	21,980	23,724	25,762	27,625
Services	15,236	20,481	21,395	22,361	23,557	13,460	17,895	18,743	19,594	20,962
Government and government enterprises	19,681	26,449	27,821	28,908	30,266	15,911	20,980	22,062	22,959	24,024

¹ Represents average for period of intervals shown, for 1980, change from 1975. For explanation of average annual percent change, see Guide to Tabular Presentation.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82* and *Survey of Current Business*, July 1988.

NO. 661. AVERAGE HOURLY AND WEEKLY EARNINGS IN CURRENT AND CONSTANT (1977) DOLLARS, BY PRIVATE INDUSTRY GROUP: 1970 TO 1987

[Average weekly earnings includes overtime. Data are for production and related workers in mining, manufacturing, and construction, and nonsupervisory employees in other industries. Excludes agriculture. See headnote, table 655. See also *Historical Statistics, Colonial Times to 1970*, series D 877-882]

PRIVATE INDUSTRY GROUP	CURRENT DOLLARS						CONSTANT (1977) DOLLARS					
	1970	1975	1980	1985	1986	1987	1970	1975	1980	1985	1986	1987
Average hourly earnings	3.23	4.83	6.86	8.57	8.76	8.86	5.04	6.10	8.88	10.88	10.82	10.86
Manufacturing	3.35	4.83	7.27	9.54	9.73	9.91	5.23	6.44	9.34	11.44	11.46	11.37
Mining	3.85	5.85	9.17	11.88	12.48	12.52	6.01	8.70	13.74	18.83	18.86	18.78
Construction	5.24	7.31	9.94	12.32	12.48	12.69	8.17	10.23	13.30	17.02	17.00	16.87
Transportation, public utilities	3.85	5.88	8.87	11.40	11.70	12.03	6.01	8.82	13.52	16.50	16.57	16.52
Wholesale trade	3.44	4.73	6.96	9.16	9.35	9.59	5.37	6.33	9.11	12.22	12.25	12.20
Retail trade	2.44	3.38	4.88	5.94	6.03	6.11	3.81	5.78	8.59	10.38	10.38	10.31
Finance, insurance, real estate	3.07	4.08	5.79	7.94	8.36	8.73	4.79	6.57	9.25	12.52	12.89	12.73
Services	2.81	4.02	5.85	7.90	8.18	8.48	4.38	6.53	9.30	12.50	12.50	12.50
Average weekly earnings	120	184	276	388	395	313	187	184	173	170	171	168
Manufacturing	133	191	288	386	386	311	206	215	212	220	222	220
Mining	164	249	397	520	526	531	256	280	292	286	286	288
Construction	195	268	368	464	467	480	304	300	270	265	262	260
Transportation, public utilities	158	233	351	450	459	472	243	262	258	257	252	255
Wholesale trade	137	183	267	352	358	365	214	206	197	200	201	198
Retail trade	82	109	147	175	176	178	128	123	108	100	99	97
Finance, insurance, real estate	113	148	210	289	304	317	178	187	154	165	171	172
Services	97	135	191	257	266	278	151	152	140	146	149	149

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

NO. 662. ANNUAL PERCENT CHANGES IN EARNINGS AND COMPENSATION: 1976 TO 1987

[Annual percent change from immediate prior year]

ITEM	1976	1979	1980	1981	1982	1982	1984	1986	1988	1987
Current dollars:										
Hourly earnings, total ¹	8.4	8.3	8.1	8.9	5.9	4.4	3.7	3.0	2.2	2.5
Hourly earnings, manufacturing	8.6	8.6	8.6	8.9	6.3	4.0	4.1	3.8	2.0	1.9
Compensation per employee-hour ¹	8.6	8.5	10.5	9.4	7.8	4.3	3.8	4.2	4.2	3.8
Constant (1977) dollars:										
Hourly earnings, total ¹	.8	-2.8	-4.9	-1.2	-	1.2	.4	-6	.8	1.2
Hourly earnings, manufacturing	.9	-2.4	-4.5	-2	.2	.9	.6	.4	.4	1.6
Compensation per employee-hour ¹	.9	-1.7	2.7	-8	1.5	1.1	-4	.8	2.3	.2
Consumer Price Index ²	7.6	11.3	13.5	10.3	6.2	3.2	4.3	3.6	1.9	3.6

- Represents zero. ¹ Nonfarm business sector. ² See text, section 15.

Source: U.S. Bureau of Labor Statistics, unpublished data.

NO. 663. AVERAGE WEEKLY EARNINGS IN CURRENT AND CONSTANT (1977) DOLLARS, PRIVATE NONAGRICULTURAL AND MANUFACTURING INDUSTRIES: 1960 TO 1987

[In dollars. Average earnings includes overtime. Based on reports from employing establishments and relate to full- and part-time wage and salary workers in nonagricultural establishments who worked during, or received pay for, any part of the pay period which includes the 12th of the month. See headnote, table 661. See *Historical Statistics, Colonial Times to 1970*, series D 804, for average weekly earnings in manufacturing]

YEAR	PRIVATE NONAGRICULTURAL		MANUFACTURING		YEAR	PRIVATE NONAGRICULTURAL		MANUFACTURING	
	Current dollars	Constant (1977) dollars ¹	Current dollars	Constant (1977) dollars ¹		Current dollars	Constant (1977) dollars ¹	Current dollars	Constant (1977) dollars ¹
1960	80.7	165.0	88.7	183.5	1979	219.9	183.4	288.3	224.6
1965	95.8	183.2	107.5	206.4	1980	235.1	172.7	288.8	212.0
1970	119.8	188.8	133.3	208.0	1981	265.2	170.1	318.0	212.0
1974	154.8	190.1	176.8	217.2	1982	287.3	168.1	330.3	207.7
1975	163.5	194.2	190.8	214.9	1983	280.7	171.3	354.1	216.0
1976	175.5	186.9	209.3	222.9	1984	282.8	172.8	374.0	220.7
1977	189.0	189.0	228.8	228.9	1985	288.1	170.4	386.4	220.2
1978	203.7	189.3	249.3	231.7	1986	304.9	171.1	398.0	222.2
					1987	312.5	168.3	406.3	220.1

¹ Earnings in current dollars divided by the Consumer Price Index (CPI-W) on a 1977 base, see text, section 15.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

NO. 884. AVERAGE ANNUAL PAY, BY STATE: 1965 TO 1967

(In dollars except percent change. For workers covered by State unemployment insurance laws and for Federal civilian workers covered by unemployment compensation for Federal employees, approximately 90 percent of total civilian employment. Excludes most agricultural workers on small farms, all Armed Forces, elected officials in most States, railroad employees, most domestic workers, employees of certain nonprofit organizations and most self-employed individuals. Pay includes bonuses, cash value of meals and lodging, and tips and other gratuities. Minus sign (-) indicates decrease.)

STATE	AVERAGE ANNUAL PAY			PERCENT CHANGE		STATE	AVERAGE ANNUAL PAY			PERCENT CHANGE	
	1965	1966	1967 ¹	1965-1966	1966-1967		1965	1966	1967 ¹	1965-1966	1966-1967
U.S.	16,184	16,966	20,865	4.1	4.5	MO	16,336	16,815	19,801	3.1	3.6
AL	17,023	17,636	18,316	3.6	3.8	MT	15,832	16,085	16,436	1.0	2.2
AK	26,699	26,442	26,006	- .9	1.5	NE	16,616	16,106	16,526	3.1	2.6
AZ	16,037	16,670	19,610	4.6	3.9	NV	16,179	16,739	19,521	3.1	4.2
AR	15,553	16,162	16,529	3.9	2.3	NH	17,205	16,303	19,414	6.4	6.1
CA	20,950	21,966	23,100	5.0	5.0	NJ	21,077	22,306	23,842	5.6	6.8
CO	19,569	20,275	20,736	3.6	2.3	NM	16,966	17,301	17,767	1.9	2.7
CT	21,226	22,516	24,322	6.1	8.0	NY	21,901	23,200	24,634	5.9	6.2
DE	19,150	19,637	20,764	2.5	5.7	NC	16,226	16,999	17,661	4.8	5.1
DC	26,160	27,137	28,477	3.7	4.9	ND	16,565	15,778	16,157	1.2	2.4
FL	16,968	17,680	18,674	4.2	5.6	OH	19,433	19,903	20,566	2.4	3.3
GA	17,912	18,745	19,651	4.7	4.8	OK	16,195	16,345	16,615	.8	1.5
HI	17,329	16,101	19,091	4.5	5.5	OR	17,637	16,321	16,666	2.7	3.1
ID	16,353	16,623	17,062	1.7	2.6	PA	16,549	16,403	20,406	4.1	5.2
IL	20,601	21,445	22,250	4.1	3.8	RI	16,664	17,733	18,656	5.2	6.3
IN	16,501	16,024	16,662	2.8	3.5	SC	15,944	16,603	17,279	4.1	4.1
IA	16,097	16,566	17,292	3.1	4.2	SD	13,967	14,477	14,963	3.5	3.4
KS	17,331	17,634	18,424	3.5	2.7	TN	16,967	17,661	18,501	4.0	4.6
KY	16,941	17,367	18,006	2.5	3.7	TX	19,616	19,934	20,463	1.6	2.6
LA	16,216	16,290	16,707	.4	2.3	UT	17,577	17,663	18,306	1.5	2.5
ME	15,426	16,326	17,447	5.8	6.9	VT	16,023	16,662	17,706	5.2	6.0
MD	19,092	20,121	21,324	5.4	6.0	VA	16,069	16,972	19,963	4.9	5.2
MA	19,627	20,925	22,466	6.6	7.5	WA	16,949	16,645	20,110	3.7	2.4
MI	21,664	22,721	23,061	3.8	1.6	WV	16,019	16,402	16,620	2.1	2.3
MN	16,616	16,633	20,460	4.3	4.2	WI	17,594	16,202	16,690	3.5	3.8
MS	14,951	15,420	15,936	3.1	3.4	WY	16,950	16,969	16,617	1	- .8

¹ Preliminary.

Source: U.S. Bureau of Labor Statistics, *Employment and Wages, Annual Averages 1966*, and *USDL News Release 66-413, Average Annual Pay by State and Industry, 1967*.

NO. 885. AVERAGE ANNUAL PAY, BY SELECTED METROPOLITAN AREAS: 1965 TO 1967

(In dollars, except percent change. For metropolitan areas defined as of June 30, 1967. CMSA—Consolidated Metropolitan Statistical Area; MSA—Metropolitan Statistical Area; NECMA—New England County Metropolitan Area. See headnote, table 884.)

METROPOLITAN AREAS RANKED BY POPULATION SIZE, 1966	AVERAGE ANNUAL PAY			Percent change, 1965-1967		METROPOLITAN AREAS RANKED BY POPULATION SIZE, 1966	AVERAGE ANNUAL PAY			Percent change, 1965-1967
	1965	1966	1967 ¹				1965	1966	1967 ¹	
U.S. total	16,184	16,966	20,865	4.5		Cincinnati-Hamilton, OH-KY-IN CMSA	19,571	20,280	21,142	4.2
U.S. metropolitan total	(?)	20,762	21,724	4.6		Milwaukee-Racine, WI CMSA	19,410	20,064	20,758	3.4
New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA	22,724	24,207	25,976	7.3		Kansas City, MO-KS MSA	19,463	20,062	20,846	3.9
Los Angeles-Anaheim-Riverside, CA, CMSA	21,476	22,542	23,921	6.1		Portland-Vancouver, OR-WA CMSA	19,110	19,786	20,366	3.0
Chicago-Gary-Lake County (IL), IL-IN-WI CMSA	(?)	22,626	23,481	3.8		New Orleans, LA MSA	19,030	19,264	19,796	2.7
San Francisco-Oakland-San Jose, CA CMSA	23,051	24,309	25,375	4.4		Norfolk-Virginia Beach-Newport News, VA MSA	16,827	17,597	18,266	3.6
Philadelphia-Wilmington-Trenton, PA-NJ-DE-MD CMSA	20,221	21,223	22,530	6.2		Columbus, OH MSA	19,003	19,640	20,333	3.5
Detroit-Ann Arbor, MI CMSA	23,819	24,700	25,178	1.8		Sacramento, CA MSA	19,220	20,223	21,047	4.1
Boston-Lawrence-Salem-Lowell-Brockton, MA NECMA	20,617	22,250	23,666	7.4		San Antonio, TX MSA	17,415	17,843	18,436	3.3
Dallas-Forth Worth, TX CMSA	21,270	21,915	22,766	3.9		Indianapolis, IN MSA	19,464	20,195	21,061	4.8
Houston-Galveston-Beaumont, TX CMSA	22,767	23,029	23,373	1.5		Buffalo-Niagara Falls, NY CMSA	16,371	16,656	16,404	2.9
Washington, DC-MD-VA MSA	22,727	23,666	25,210	5.7		Providence-Pawtucket-Woonsocket, RI NECMA	16,709	17,574	18,066	6.4
Miami-Forth Lauderdale, FL CMSA	16,454	19,330	20,602	6.6		Charlotte-Gastonia-Rock Hill, NC-SC MSA	11,773	16,650	19,806	6.2
Cleveland-Akron-Lorain, OH CMSA	20,533	21,024	21,762	3.6		Hardford-New Britain-Middletown-Bristol, CT NECMA	21,042	22,366	24,151	7.6
Atlanta, GA MSA	20,264	21,243	22,426	5.6		Salt Lake City-Ogden, UT MSA	17,999	18,306	18,656	3.0
St. Louis, MO-IL MSA	20,306	20,666	21,793	3.8		Oklahoma City, OK MSA	19,069	19,144	19,534	2.0
Pittsburgh-Beaver Valley, PA CMSA	19,532	20,144	20,649	4.0		Rochester, NY MSA	20,646	21,643	22,307	2.1
Minneapolis-St. Paul, MN-WI MSA	20,576	21,495	22,385	4.1		Louisville, KY IN MSA	18,237	18,664	19,448	4.1
Seattle-Tacoma, WA CMSA	20,361	21,266	21,963	2.7		Memphis, TN-AR-MS MSA	18,310	18,799	19,709	4.6
Baltimore, MD MSA	(?)	19,911	20,978	5.4		Dayton-Springfield, OH MSA	19,667	20,225	20,812	1.9
San Diego, CA MSA	19,154	20,146	21,051	4.5		Nashville, TN MSA	17,848	18,667	19,737	5.7
Tampa-St. Petersburg-Clearwater, FL MSA	16,410	17,116	17,911	4.6		Birmingham, AL MSA	16,672	16,164	19,917	3.9
Phoenix, AZ MSA	16,769	19,730	20,612	4.5		Greensboro-Winston-Salem-High Point, NC MSA	17,526	18,201	19,150	5.2
Denver-Boulder, CO CMSA	21,167	21,963	22,649	3.0		Orlando, FL MSA	17,310	18,014	18,923	5.0
						Jacksonville, FL MSA	17,513	18,221	19,141	5.0
						Albany-Schenectady-Troy, NY MSA	16,602	16,460	20,607	5.7
						Honolulu, HI MSA	17,602	16,724	19,716	5.3
						Richmond-Petersburg, VA MSA	16,966	16,346	20,274	5.3

¹ Preliminary. ² Comparable data are not available.

Source: U.S. Bureau of Labor Statistics, *USDL News Release 66-516, Annual Pay Levels in Metropolitan Areas, 1967*, and *USDL News Release 66-413, Average Annual Pay by State and Industry, 1967*.

**NO. 666. FULL-TIME WAGE AND SALARY WORKERS—NUMBER AND MEDIAN WEEKLY EARNINGS, BY
SELECTED CHARACTERISTICS: 1983 TO 1987**

(In current dollars of usual weekly earnings. Data represent annual averages of quarterly data. Data revised since previously published. See text, section 13 for a discussion of occupational data. Based on Current Population Survey, see text, section 1, and Appendix B. For definition of median, see Guide to Tabular Presentation.)

CHARACTERISTIC	NUMBER OF WORKERS (1,000)				MEDIAN WEEKLY EARNINGS			
	1983	1984	1985	1987	1983	1984	1985	1987
All workers ¹	76,876	77,003	78,727	80,836	\$313	\$343	\$368	\$373
Male	42,309	45,589	46,233	47,182	378	406	419	433
16 to 24 years old	6,702	8,958	8,822	8,726	223	240	245	257
25 years old and over	35,607	36,632	37,410	40,456	408	442	462	477
Female	26,967	31,414	32,494	33,654	252	277	290	303
16 to 24 years old	5,345	5,621	5,513	5,526	197	210	216	228
25 years old and over	23,322	25,793	26,981	28,148	267	296	306	321
White	61,739	66,481	67,779	69,358	319	355	370	383
Male	37,378	40,030	40,471	41,180	387	417	433	450
Female	24,361	26,452	27,308	28,208	254	281	294	307
Black	7,573	8,393	8,854	9,060	261	277	291	301
Male	3,883	4,387	4,464	4,679	293	304	316	326
Female	3,480	4,026	4,190	4,371	231	252	283	275
Hispanic origin ²	(NA)	(NA)	5,630	6,083	(NA)	(NA)	277	284
Male	(NA)	(NA)	3,822	3,874	(NA)	(NA)	299	306
Female	(NA)	(NA)	2,008	2,219	(NA)	(NA)	241	251
Family relationship:								
Husbands	28,720	30,280	30,491	30,932	410	465	475	487
Wives	14,884	16,270	16,820	17,488	257	285	298	313
Women who maintain families	3,948	4,333	4,512	4,709	256	278	290	300
Men who maintain families	1,331	1,313	1,411	1,508	377	396	397	398
Other persons in families:								
Men	5,518	6,173	6,238	6,386	219	236	247	260
Women	4,032	4,309	4,368	4,488	201	213	222	235
All other men ³	6,740	7,841	8,085	8,333	350	380	395	405
All other women ³	5,803	6,509	6,641	7,004	274	305	316	328
Occupation, male								
Managerial and professional	10,312	11,078	11,333	11,565	516	583	605	636
Exec., admin. managerial	5,344	5,835	5,980	6,117	530	589	620	647
Professional specialty	4,967	5,243	5,353	5,438	506	571	590	625
Tech. sales, and admin. support	8,125	8,803	8,977	9,241	365	420	437	453
Tech. and related support	1,428	1,583	1,597	1,533	424	472	480	500
Sales	3,863	4,227	4,373	4,580	389	431	447	479
Admin. support, incl. clerical	2,844	3,013	3,006	3,128	382	391	403	402
Service	3,723	3,947	3,987	4,143	255	272	284	295
Private household	11	13	14	16	(8)	(8)	(8)	(8)
Protective	1,314	1,327	1,438	1,481	355	391	402	427
Other service	2,398	2,607	2,540	2,646	217	250	280	281
Precision production ⁴	9,180	10,026	9,973	10,125	387	408	416	431
Mechanics and repairers	3,416	3,752	3,588	3,681	377	400	413	423
Construction trades	2,988	3,308	3,413	3,548	375	394	401	418
Other	2,776	2,966	2,973	2,886	408	433	446	463
Operators, fabricators, and laborers	9,833	10,586	10,784	10,926	308	325	332	344
Machine operators, assemblers, and inspectors	4,138	4,403	4,401	4,423	319	341	354	353
Transportation and material moving	3,189	3,459	3,484	3,612	335	369	372	386
Handlers, equipment cleaners, helpers, and laborers	2,496	2,724	2,890	2,890	251	281	271	289
Farming, forestry, fishing	1,197	1,160	1,178	1,171	200	216	220	219
Occupation, female								
Managerial and professional	7,139	8,302	8,782	9,339	357	389	414	441
Exec., admin. managerial	2,772	3,482	3,787	4,088	336	383	396	416
Professional specialty	4,367	4,810	4,995	5,240	367	408	428	458
Tech. sales, and admin. support	13,517	14,622	15,063	15,439	247	289	292	293
Tech. and related support	1,148	1,200	1,224	1,264	299	331	343	368
Sales	2,480	2,929	3,021	3,077	204	228	238	246
Admin. support, incl. clerical	9,911	10,494	10,838	11,098	248	270	284	294
Service	3,598	3,983	4,074	4,171	173	185	191	199
Private household	287	330	320	305	116	130	119	130
Protective	139	156	156	185	250	278	282	314
Other service	3,183	3,477	3,598	3,680	176	196	196	201
Precision production ⁴	784	906	878	887	288	288	277	302
Mechanics and repairers	120	144	136	131	337	382	431	468
Construction trades	45	53	56	38	(8)	265	333	(8)
Other	619	709	686	698	244	253	258	266
Operators, fabricators, and laborers	3,488	3,482	3,588	3,716	204	216	225	231
Machine operators, assemblers, and inspectors	2,853	2,778	2,853	2,882	202	216	223	227
Transportation and material moving	169	189	190	186	253	252	287	289
Handlers, equipment cleaners, helpers and laborers	474	514	515	588	211	209	226	233
Farming, forestry, fishing	143	138	140	142	189	185	187	191

B. Data not shown where base is less than 50,000. NA. Not available. ¹ Includes other races, not shown separately. Persons of Hispanic origin may be of any race. ² The majority of these persons are living alone or with nonrelatives. Also included are persons in families where the husband, wife or other person maintaining the family is in the Armed Forces, and persons in unrelated subfamilies. ³ Includes craft and repair.

Source: U.S. Bureau of Labor Statistics, Bulletin 2307, and *Employment and Earnings*, January issues.

NO. 667. MEDIAN WEEKLY EARNINGS OF FAMILIES BY TYPE OF FAMILY, NUMBER OF EARNERS, RACE, AND HISPANIC ORIGIN: 1980 TO 1987

[Annual averages of quarterly figures based on Current Population Survey; see text, section 1, and Appendix III. For families with wage and salary earners]

CHARACTERISTIC	NUMBER OF FAMILIES (1,000)					MEDIAN WEEKLY EARNINGS (dollars)				
	1980	1984	1985	1986	1987	1980	1984	1985	1986	1987
TOTAL										
Total families with earners ¹	41,182	40,944	41,816	42,101	42,733	400	486	522	543	573
Married-couple families	33,825	33,070	33,459	33,569	33,844	433	548	582	606	637
One earner	14,797	13,532	13,347	13,049	12,668	303	371	385	393	405
Husband	12,127	10,804	10,346	9,979	9,640	336	418	440	459	477
Wife	2,059	2,220	2,243	2,351	2,272	186	205	217	223	230
Other family member	811	708	758	719	757	163	197	204	210	212
Two or more earners ²	19,026	19,537	20,112	20,520	21,176	535	662	715	744	776
Husband and wife only	12,980	13,584	14,019	14,347	14,955	507	650	694	712	741
Husband and other family member(s)	2,369	2,182	2,159	2,056	1,998	557	685	699	720	749
Wife and other family member(s)	428	496	514	532	590	350	424	454	460	512
Other family members only	139	182	176	166	147	356	413	466	466	501
Families maintained by women	5,690	6,294	6,470	6,716	6,963	222	264	297	307	317
One earner	4,022	4,343	4,397	4,607	4,702	184	227	234	242	254
Householder	3,104	3,366	3,432	3,606	3,675	186	236	243	251	263
Other family member	916	977	965	1,001	1,027	186	199	200	206	215
Two or more earners	1,668	1,951	2,073	2,110	2,260	370	455	487	499	514
Families maintained by men	1,647	1,561	1,666	1,614	1,926	360	421	450	444	479
One earner	1,016	983	1,031	1,133	1,144	263	334	346	351	363
Two or more earners	631	618	656	681	782	502	611	625	637	675
WHITE										
Total families with earners ¹	36,786	36,331	36,848	36,072	36,555	411	514	543	566	592
Married-couple families	30,316	29,586	29,609	29,665	30,095	436	557	589	615	647
One earner ²	13,437	12,218	12,097	11,696	11,365	311	381	395	405	416
Husband	11,152	9,703	9,496	9,077	8,784	343	426	452	472	485
Wife	1,740	1,879	1,825	1,996	1,946	160	207	216	225	231
Two or more earners	16,878	17,366	17,802	18,187	18,710	542	669	723	755	785
Husband and wife only	11,448	12,017	12,394	12,666	13,232	511	658	691	720	748
Families maintained by women	4,140	4,510	4,616	4,786	4,969	233	290	311	320	329
Families maintained by men	1,331	1,236	1,333	1,420	1,501	374	442	475	476	492
BLACK										
Total families with earners ¹	4,503	4,579	4,669	4,810	4,842	296	366	378	391	412
Married-couple families	2,802	2,648	2,671	2,734	2,768	385	463	487	503	529
One earner ²	1,103	987	902	979	924	210	260	257	267	269
Husband	786	634	560	615	581	244	309	292	307	335
Wife	279	281	257	269	264	151	168	206	209	215
Two or more earners	1,700	1,681	1,789	1,755	1,843	472	600	622	645	675
Husband and wife only	1,238	1,216	1,258	1,269	1,318	461	582	603	626	646
Families maintained by women	1,438	1,840	1,703	1,758	1,822	192	240	256	267	284
Families maintained by men	293	292	294	320	352	307	365	360	348	363
HISPANIC ORIGIN ³										
Total families with earners ¹	(NA)	(NA)	(NA)	3,817	3,219	(NA)	(NA)	(NA)	412	425
Married-couple families	(NA)	(NA)	(NA)	2,272	2,411	(NA)	(NA)	(NA)	456	473
One earner ²	(NA)	(NA)	(NA)	1,006	1,032	(NA)	(NA)	(NA)	289	292
Husband	(NA)	(NA)	(NA)	828	838	(NA)	(NA)	(NA)	308	314
Wife	(NA)	(NA)	(NA)	127	122	(NA)	(NA)	(NA)	202	209
Two or more earners	(NA)	(NA)	(NA)	1,266	1,379	(NA)	(NA)	(NA)	603	615
Husband and wife only	(NA)	(NA)	(NA)	809	884	(NA)	(NA)	(NA)	582	593
Families maintained by women	(NA)	(NA)	(NA)	536	575	(NA)	(NA)	(NA)	273	285
Families maintained by men	(NA)	(NA)	(NA)	207	234	(NA)	(NA)	(NA)	380	416

NA Not available. ¹ Excludes families in which there is no wage or salary earner or in which the husband, wife, or other person maintaining the family is either self-employed or in the Armed Forces. ² Includes other earners, not shown separately. ³ Persons of Hispanic origin may be of any race.

Source: U.S. Bureau of Labor Statistics, Bulletin 2307, and *Employment and Earnings*, January issues.

NO. 668. NUMBER OF WORKERS WITH EARNINGS AND MEDIAN EARNINGS, BY OCCUPATION OF LONGEST JOB HELD AND SEX: 1987

[Covers civilians 15 years old and over as of March 1988. Based on Current Population Survey; see text, section 1, and Appendix III. For definition of median, see Guide to Tabular Presentation]

MAJOR OCCUPATION GROUP OF LONGEST JOB HELD	ALL WORKERS				YEAR ROUND FULL-TIME					
	Women		Men		Women		Men		Ratio: Women to men	
	Number (1,000)	Median earnings	Number (1,000)	Median earnings	Number (1,000)	Median earnings	Number (1,000)	Median earnings	Number	Median earnings
Total ¹	58,988	\$10,818	88,419	\$18,878	29,809	\$16,808	47,080	\$26,008	.63	.65
Executive, administrators, and managerial	5,852	19,134	8,839	33,408	4,308	21,874	7,541	36,155	.57	.61
Professional specialty	8,004	19,643	7,837	32,881	4,576	24,585	6,285	36,098	.73	.68
Technical and related support	1,830	16,242	1,983	25,670	1,149	19,559	1,501	28,170	.77	.67
Sales	8,082	8,268	7,810	21,824	3,031	14,277	5,447	27,880	.56	.51
Admin. support, incl. clerical	18,402	12,220	3,905	18,512	9,487	16,348	2,672	23,896	.355	.68
Precision production, craft and repair	1,378	11,756	13,385	20,737	781	17,180	9,428	24,931	.08	.69
Machine operators, assemblers, and inspectors	3,885	10,050	5,198	17,383	2,216	13,026	3,707	20,821	.60	.63
Transportation and material moving	447	7,889	4,816	16,047	137	12,770	3,062	22,472	.04	.57
Handlers, equipment cleaners, helpers, and laborers	1,052	8,208	4,852	8,048	375	13,118	2,034	16,730	.18	.78
Service workers	11,488	4,714	7,189	8,523	3,543	11,000	3,584	17,320	.98	.64
Private household	1,203	1,614	56	(8)	187	7,053	4	(8)	46.75	(x)
Service, except private household	10,285	5,258	7,113	8,654	3,357	11,214	3,580	17,335	.94	.65
Farming, forestry, and fishing	654	2,574	3,519	6,479	189	7,034	1,656	12,389	.12	.57

B Base less than 75,000 X Not applicable. ¹ Includes persons whose longest job was in the Armed Forces.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, forthcoming report.

NO. 669. EMPLOYMENT COST INDEX (ECI), BY INDUSTRY AND OCCUPATION: 1981 TO 1987

[As of December. The ECI is a measure of the rate of change in employee compensation (wages, salaries, and employer costs for employee benefits). Data are not seasonally adjusted; 1981-1985 based on 1970 Census of Population; thereafter, based on fixed employment counts from the 1980 Census of Population]

ITEM	INDEXES (June 1981 = 100)							PERCENT CHANGE FOR 12 MONTHS ENDING—				
		1982	1983	1984	1985	1986	1987	1983	1984	1985	1986	1987
Civilian workers ¹	104.5	111.4	117.8	123.9	129.2	133.8	138.6	6.7	5.2	4.3	3.5	3.6
Workers by occupational group												
White-collar workers	104.8	111.9	118.8	125.5	131.8	136.9	142.2	8.3	6.6	4.9	4.0	3.9
Blue-collar workers	104.1	110.5	115.8	120.9	124.9	128.4	132.5	4.6	4.4	3.3	2.8	3.2
Service workers	104.2	112.4	119.1	126.8	131.8	136.6	140.8	6.0	6.5	3.9	3.6	3.1
Workers by industry division												
Manufacturing	104.0	110.4	116.0	122.0	126.0	130.1	134.1	5.1	5.2	3.3	3.3	3.1
Nonmanufacturing	104.8	111.8	118.6	124.8	130.6	135.4	140.5	6.1	6.2	4.6	3.7	3.8
Services	107.1	115.0	122.6	130.9	137.1	143.6	150.8	6.6	6.6	4.7	4.7	4.9
Public administration ²	108.0	113.8	121.4	128.6	134.6	141.6	148.1	6.8	5.9	4.8	5.0	4.8
Private industry workers ³	104.0	110.7	117.0	122.7	127.5	131.6	136.0	5.7	4.8	3.9	3.2	3.3
Workers by occupational group												
White-collar workers	104.0	110.8	117.8	123.9	129.8	134.3	139.3	6.4	5.1	4.8	3.5	3.7
Blue-collar workers	104.0	110.3	115.7	120.8	124.4	127.8	131.8	4.9	4.2	3.2	2.7	3.1
Service workers	103.1	111.8	117.9	125.7	128.5	133.5	138.7	5.5	6.6	3.0	3.1	2.4
Workers by industry division												
Manufacturing	104.0	110.4	116.0	122.0	126.0	130.1	134.1	5.1	5.2	3.3	3.3	3.1
Nonmanufacturing	103.9	110.6	117.5	123.1	128.4	132.4	137.1	6.0	4.8	4.3	3.1	3.5
Workers by bargaining status												
Union	104.8	112.3	118.8	123.9	127.1	129.8	133.4	5.8	4.3	2.6	2.1	2.8
Nonunion	103.5	109.7	115.9	121.9	127.5	132.1	136.9	5.7	5.2	4.8	3.6	3.6
State and local government workers	107.4	115.1	122.0	130.1	137.5	144.7	151.1	6.0	6.8	5.7	5.2	4.4
Workers by occupational group												
White-collar workers	107.8	115.8	122.6	131.1	138.6	146.0	152.7	5.9	6.9	5.7	5.3	4.6
Blue-collar workers	105.9	113.0	119.2	125.9	132.7	139.5	144.3	5.5	5.6	5.4	5.1	3.4
Workers by industry division												
Services	107.9	115.8	122.6	131.3	139.1	146.6	153.1	5.8	7.1	5.8	5.4	4.4
Schools	107.9	115.8	122.6	132.0	140.3	148.4	155.5	5.9	7.7	6.3	5.8	4.8
Elementary and secondary	108.3	116.8	123.9	133.5	142.0	150.3	157.8	6.3	7.7	6.4	5.8	5.0
Hospitals and other services ⁴	107.8	116.0	122.6	129.2	135.2	141.1	146.3	5.7	5.4	4.8	4.4	3.7
Public administration ²	106.0	113.6	121.4	128.6	134.8	141.6	148.1	6.9	5.9	4.8	5.0	4.6

¹ Includes private industry and State and local government workers and excludes farm, household, and Federal government workers. ² Consists of legislative, judicial, administrative, and regulatory activities. ³ Excludes farm and household workers.

⁴ Includes library, social, and health services.

Source: U.S. Bureau of Labor Statistics, *News, Employment Cost Index*, quarterly.

No. 670. EMPLOYER COSTS FOR EMPLOYEE COMPENSATION PER HOUR WORKED, BY INDUSTRY: 1988

As of March, for private industry workers. Based on a sample of establishments; see source for details.

COMPENSATION COMPONENT	COST (dOL)					PERCENT DISTRIBUTION				
	Total	Goods producing ¹	Service producing ²	Manufacturing	Non-manufacturing	Total	Goods producing ¹	Service producing ²	Manufacturing	Non-manufacturing
Total compensation	13.78	18.42	12.72	18.26	13.08	100.0	100.0	100.0	100.0	100.0
Wages and salaries	10.02	11.42	9.45	11.18	9.69	72.7	60.6	74.3	68.8	74.1
Total benefits	3.77	5.00	3.27	5.07	3.39	27.3	39.4	25.7	31.2	25.9
Paid leave	.97	1.13	.91	1.25	.89	7.0	6.9	7.1	7.7	6.8
Vacation	.48	.58	.44	.63	.44	3.5	3.5	3.5	3.9	3.4
Holiday	.33	.42	.29	.47	.29	2.4	2.5	2.3	2.9	2.2
Sick	.12	.10	.13	.11	.12	.9	.6	1.0	.7	.9
Other	.04	.01	.04	.04	.04	.3	.2	.3	.2	.3
Supplemental pay	.33	.56	.24	.58	.25	2.4	3.3	1.9	3.5	2.0
Premium pay	.17	.36	.10	.38	.11	1.2	2.1	.8	2.2	.9
Nonproduction bonuses	.12	.13	.11	.13	.11	.8	.8	.9	.8	.9
Shift pay	.04	.07	.03	.09	.03	.3	.4	.2	.5	.2
Insurance	.76	1.11	.64	1.20	.66	5.6	6.8	5.0	7.4	5.0
Pensions and savings	.45	.61	.39	.57	.41	3.3	3.7	3.0	3.5	3.2
Pensions	.36	.51	.33	.46	.36	2.6	3.1	2.6	2.8	2.7
Savings and thrift	.07	.10	.06	.11	.06	.5	.6	.4	.7	.4
Legally required ³	1.22	1.55	1.08	1.43	1.18	8.8	9.5	8.5	8.8	8.9
Social Security	.81	.98	.75	.95	.78	5.9	5.8	5.9	5.9	5.8
Federal unemployment	.03	.03	.03	.03	.03	.2	.2	.3	.2	.3
State unemployment	.12	.18	.09	.18	.10	.8	1.1	.7	1.1	.8
Workers compensation	.24	.37	.18	.28	.23	1.7	2.3	1.5	1.6	1.8
Other benefits ⁴	.02	.04	(2)	.05	(2)	.2	.3	(2)	.3	(2)

2. Represents or rounds to zero. ¹ Mining, construction, and manufacturing. ² Transportation, communications, public utilities, wholesale trade, retail trade, finance, insurance, real estate, and services. ³ Includes railroad retirement, railroad unemployment, railroad supplemental unemployment, and other legally required benefits, not shown separately. ⁴ Includes severance pay, supplemental unemployment benefits, and merchandise discounts in department stores.

Source: U.S. Bureau of Labor Statistics, *News, Employer Costs for Employee Compensation*, June 1988, USDOL 88-293.

No. 671. EMPLOYEES WITH EMPLOYER- OR UNION-PROVIDED PENSION PLANS, OR GROUP HEALTH PLANS, BY OCCUPATION AND INDUSTRY: 1988

(In thousands, except percent. For civilian wage and salary workers 15 years old and over as of March 1987. Based on Current Population Survey; see text, section 1, and Appendix B.)

OCCUPATION	Total	WITH PENSION PLANS		WITH GROUP HEALTH PLANS		OCCUPATION	Total	WITH PENSION PLANS		WITH GROUP HEALTH PLANS	
		Num-ber	Per-cent	Num-ber	Per-cent			Num-ber	Per-cent	Num-ber	Per-cent
Total ¹	118,481	48,578	42.6	78,008	66.1	Total ¹	118,481	48,578	42.6	78,008	66.1
Managerial and professional specialty	28,802	18,320	61.3	20,431	70.6	Agriculture, forestry, fisheries	2,490	238	9.5	575	23.1
Executive, admin. and managerial	12,296	7,124	57.8	9,823	79.8	Mining	972	567	58.3	787	82.0
Prof. specialty	14,388	9,196	64.3	10,606	74.2	Construction	7,055	2,261	32.0	3,801	53.9
Technical, sales and admin. support	38,607	14,802	40.7	21,808	58.0	Manufacturing	22,884	12,820	56.6	18,026	79.6
Service workers	17,528	3,900	22.3	6,001	34.2	Transportation, public utilities	7,822	4,963	63.3	6,141	78.5
Priv. household	1,402	24	1.7	38	2.7	Wholesale trade	4,567	1,919	41.8	3,265	71.2
Service, etc. priv. household	16,126	3,876	24.0	5,963	37.0	Retail trade	20,985	4,129	19.7	7,981	38.0
Farming, forestry and fishing	2,678	222	7.7	561	19.5	Finance, insurance, real estate	7,300	3,519	48.2	5,085	69.6
Precision prod., craft, and repair	13,080	6,259	48.6	9,294	71.0	Business services	6,189	1,588	25.9	3,109	50.4
Operatives, fabricators and laborers	18,546	7,791	38.9	11,981	61.3	Personal services	4,611	512	11.1	1,103	23.9
						Entertainment and recreation	1,886	323	19.4	555	33.3
						Professional and related	24,261	12,301	50.7	15,029	61.9
						Public administration	5,671	4,358	78.6	4,399	77.6

¹ Includes civilians whose longest job was in the Armed Forces, not shown separately.

Source: U.S. Bureau of the Census, unpublished data.

NO. 672. EMPLOYEE BENEFITS IN MEDIUM AND LARGE FIRMS: 1986

(For January through June. Covers full-time employees in private industry; excludes small firms (establishments with fewer than 50 to 250 employees, depending on the industry), executive management and traveling operating employees, and Alaska and Hawaii. Covers only benefits for which the employer pays part or all of the premium or expenses involved. Based on sample survey of establishments; for details, see source.)

TYPE OF EMPLOYEE BENEFIT	All employees	Professional and administrative	Technical and clerical	Production	TYPE OF EMPLOYEE BENEFIT	All employees	Professional and administrative	Technical and clerical	Production
Percent of employees participating in—					Retirement and savings plans—Con.				
Paid: Vacations.....	100	88	100	100	Defined contribution.....	80	71	70	49
Holidays.....	89	88	100	88	Savings and thrift.....	28	38	36	17
Jury duty leave.....	83	88	96	90	Employee stock ownership.....	30	32	32	27
Funeral leave.....	88	87	87	88	Profit sharing.....	22	22	22	22
Rest time.....	72	58	89	82	Additional benefits: ¹				
Military leave.....	88	74	72	58	Parking.....	86	82	77	92
Sick leave.....	70	83	83	45	Educational assistance.....	76	86	84	68
Personal leave.....	25	33	35	15	Employee discounts.....	57	54	51	58
Lunch time.....	10	3	4	17	Travel accident insurance.....	52	72	63	36
Insurance plans:					In-house infirmary.....	46	47	38	50
Health.....	96	88	84	88	Severance pay.....	46	61	57	31
Noncontributory.....	54	52	45	61	Relocation allowance.....	43	82	41	24
Hospital/surgical ¹	84	84	84	85	Recreation facilities.....	33	37	31	32
Mental health care.....	94	84	84	94	Subsidized meals.....	21	28	25	16
Private duty nursing.....	88	82	81	87	Nonproduction bonuses, cash.....	20	22	20	19
Dental.....	87	71	88	85	Mean number of—				
Extended care facility.....	88	70	88	85	Paid holidays.....	10.0	10.2	9.8	10.0
Home health care.....	83	67	86	58	Paid vacation days after—				
Vision.....	38	37	39	38	1 year.....	8.8	10.1	9.6	7.5
Life.....	98	87	86	95	3 years.....	10.5	11.0	10.5	10.2
Noncontributory.....	67	67	67	68	5 years.....	12.7	13.5	13.0	12.0
Accident/sickness.....	49	25	35	68	10 years.....	15.8	16.5	16.0	15.3
Noncontributory.....	41	22	28	88	15 years.....	18.5	19.0	18.9	17.9
Long-term disability.....	48	68	80	30	20 years.....	20.6	21.2	20.7	20.3
Noncontributory.....	38	52	47	24	25 years.....	22.2	22.7	22.5	21.7
Retirement and savings plans:									
Defined benefit pension.....	78	78	78	74					
Noncontributory.....	71	73	74	68					

¹ Includes physician visits in hospitals, diagnostic X-ray and lab, and auxiliary hospital services. ² 1985 data.

Source: U.S. Bureau of Labor Statistics, *Employee Benefits in Medium And Large Firms, 1985 and 1986*, Bulletin 2282 and 2281.

NO. 673. ESTABLISHMENTS PROVIDING CHILD CARE BENEFITS AND/OR VARIOUS WORK-SCHEDULE POLICIES, BY ESTABLISHMENT SIZE AND SECTOR: 1987

(As of summer. For establishments with 10 employees or more. Based on sample; for details, see source.)

ITEM	Total	SIZE			SECTOR			
		10-49 employees	50-249 employees	250 employees or more	Private			Government
					Total	Goods ¹	Services ²	
Total establishments (1,000).....	1,388	919	338	47	1,129	272	808	74
Percent providing child-care benefits or services ³	11.1	8.0	15.3	31.8	10.1	6.3	11.3	26.4
Employer-sponsored day care.....	2.1	1.8	2.8	5.2	1.6	.8	2.0	8.4
Assisted with child-care expenses ⁴	3.1	2.4	4.7	8.8	3.1	1.9	3.6	2.9
Child-care information and referral services.....	5.1	4.3	6.3	14.0	4.3	2.3	5.0	15.8
Counseling services ⁵	5.1	3.8	7.8	17.1	4.2	3.0	4.8	18.2
Other child-care benefits ⁶	1.0	.7	1.8	2.9	.9	.6	1.0	2.3
Percent with varied work-schedule policies aiding child care ⁷	61.2	62.0	58.1	59.4	61.4	61.3	64.8	57.2
Flexitime.....	43.2	45.1	37.7	34.9	43.8	31.3	47.5	37.5
Voluntary part-time.....	34.8	36.0	32.0	26.1	36.3	22.4	38.4	26.7
Job sharing ⁷	16.5	16.0	13.7	15.7	15.0	9.0	16.8	23.6
Work at home.....	8.8	8.2	5.6	3.5	8.5	6.2	8.6	4.0
Flexible leave.....	42.8	43.8	39.9	40.2	42.9	37.3	44.8	43.7
Other leave or work-schedule policies.....	2.1	1.9	2.9	3.1	1.8	1.3	1.8	7.1
Percent with no child-care benefits or varied work-schedule policies.....	38.5	36.7	35.1	38.5	38.6	48.4	39.5	38.6

¹ Mining, construction, and manufacturing. ² Transportation, communications, public utilities; wholesale and retail trade; finance, insurance, and real estate; and services. ³ The individual categories will sum to more than 100 percent because many employers provide more than one benefit or policy. ⁴ Regular reimbursement of employee's child-care expenses as part of the employee benefits package. ⁵ A counselor, either a paid employee of the establishment or a contractor provided by the employer, who deals with family-related issues. ⁶ Can include such things as paying babysitting expenses for employees who work overtime, allowing employees to bring children to work, or organizing seminars and informational meetings on child care and parenting problems. ⁷ A formal arrangement whereby work of a single full-time position is performed by more than one employee.

Source: U.S. Bureau of Labor Statistics, *BLS Reports on Employer Child-Care Practices*, USDL 88-7.

NO. 674. EFFECTIVE FEDERAL MINIMUM HOURLY WAGE RATES, 1950 TO 1986, AND COVERAGE IN 1987

(Employee estimates as of September 1987, except as indicated. The Fair Labor Standards Act of 1938 and subsequent amendments provide for minimum wage coverage applicable to specified nonsupervisory employment categories. Exempt from coverage are executives and administrators or professionals.)

IN EFFECT	MINIMUM RATES FOR NONFARM WORKERS			Min- imum rates for farm work- ers ⁴	SEX, RACE, AND INDUSTRY	NONSUPERVISORY EMPLOYEES, 1987				
	Laws prior to 1986 ¹	Per- cent, avg. earn- ings ²	1986 and later ³			Total (1,000)	Subject to minimum wage rates			
							Total (1,000)	Per- cent of total	Prior to 1986 ^{4,7} (1,000)	1986 and later ^{3,7} (1,000)
Jan. 25, 1950	\$.75	54	(x)	(x)	Total	86,686	76,023	87.5	48,406	27,818
Mar. 1, 1956	1.00	52	(x)	(x)	Male	45,070	39,312	87.2	26,577	12,735
Sept. 3, 1961	1.15	50	(x)	(x)	Female	41,816	36,711	87.8	21,828	14,863
Sept. 3, 1963	1.25	51	(x)	(x)	White	76,426	66,841	87.2	43,240	23,401
Feb. 1, 1967	1.40	50	\$1.00	\$1.00	Black and other	10,480	9,382	89.7	5,165	4,217
Feb. 1, 1968	1.60	54	1.15	1.15	Black only	9,523	8,543	89.7	4,712	3,831
Feb. 1, 1969	(*)	51	1.30	1.30	Private industry	76,380	66,527	86.8	48,406	17,122
Feb. 1, 1970	(*)	49	1.45	(*)	Agriculture ⁵	1,670	642	38.4	-	642
Feb. 1, 1971	(*)	46	1.60	(*)	Mining	684	680	99.4	680	-
May 1, 1974	2.00	46	1.90	1.90	Construction	4,771	4,749	99.5	3,981	768
Jan. 1, 1975	2.10	46	2.00	1.90	Manufacturing	17,093	16,620	97.2	16,518	102
Jan. 1, 1976	2.30	46	2.20	2.00	Transp. public utilities	4,844	4,813	99.4	4,737	76
Jan. 1, 1977	(*)	42	2.30	2.20	Wholesale trade	5,007	3,983	79.7	3,744	249
Jan. 1, 1978	2.65	44	2.65	2.65	Retail trade	16,568	14,254	86.0	7,249	7,005
Jan. 1, 1979	2.90	45	2.90	2.90	Finance, insurance, real estate	5,083	4,308	75.8	4,140	189
Jan. 1, 1980	3.10	44	3.10	3.10	Service ⁶	18,666	14,564	77.9	7,376	7,188
Jan. 1, 1981	3.35	43	3.35	3.35	Private households	1,398	923	66.1	-	923
Mar. 1, 1986	(*)	33	(*)	(*)	Government ^{7,8}	10,486	10,486	100.0	-	10,486

- Represents zero. X Not applicable. ¹ Applies to workers covered prior to 1961 Amendments and, after Sept. 1985, to workers covered by 1961 Amendments. Rates set by 1961 Amendments were Sept. 1961, \$1.00; Sept. 1964, \$1.15, and Sept. 1965, \$1.25. ² Percent of gross average hourly earnings of production workers in manufacturing. ³ Applies to workers newly covered by Amendments of 1966, 1974, and 1977, and Title IX of Education Amendments of 1972. ⁴ Included in coverage as of 1966, 1974, and 1977 Amendments. ⁵ No change in rate. ⁶ Includes workers in retail-service establishments with less than \$250,000 in gross annual sales which are part of enterprises covered under criteria in effect prior to the 1966 Amendments. These workers became subject under the 1974 Amendments. ⁷ Currently employed workers subject to provisions. ⁸ Estimates based on average employment for the ten-month active season. ⁹ Estimates for educational services in private industry and government relate to October. ¹⁰ Federal, State, and local employees.

Source: U.S. Department of Labor, Employment Standards Administration, *Minimum Wage and Maximum Hours Standards Under the Fair Labor Standards Act, 1961*, annual; and unpublished data.

NO. 675. WORKERS PAID HOURLY RATES WITH EARNINGS AT OR BELOW THE MINIMUM WAGE, BY SELECTED CHARACTERISTICS: 1987

(Annual averages of monthly figures; for employed wage and salary workers. Based on Current Population Survey, see text, section 1, and Appendix B)

CHARACTERISTIC	NUMBER OF WORKERS ¹ (1,000)				PERCENT DISTRIBUTION				PERCENT OF ALL WORKERS PAID HOURLY RATES		
	Total paid hourly rates	At or below \$3.35			Total paid hourly rates	At or below \$3.35			At or below \$3.35		
		Total	At \$3.35	Below \$3.35		Total	At \$3.35	Below \$3.35	Total	At \$3.35	Below \$3.35
Total, 16 years and over ²	59,552	4,697	3,229	1,468	100.0	100.0	100.0	100.0	7.9	5.4	2.5
16 to 24 years	15,725	2,688	1,958	730	26.4	57.2	60.6	49.7	17.1	12.5	4.6
16 to 19 years	5,954	1,708	1,272	434	10.0	36.3	39.4	29.6	28.7	21.4	7.3
25 years and over	43,827	2,009	1,271	738	73.6	42.8	39.4	50.3	4.6	2.9	1.7
Male, 16 years and over	30,474	1,847	1,263	584	51.2	35.1	39.7	24.8	5.4	4.2	1.2
16 to 24 years	8,140	1,115	910	206	13.7	23.7	26.2	14.0	13.7	11.2	2.5
16 to 19 years	2,962	738	611	127	5.0	15.7	18.9	8.7	24.7	20.5	4.3
25 years and over	22,335	531	373	156	37.5	11.3	11.6	10.8	2.4	1.7	.7
Women, 16 years and over	29,078	3,051	1,946	1,105	48.8	65.0	60.3	75.3	10.5	6.7	3.8
16 to 24 years	7,586	1,574	1,049	525	12.7	33.5	32.5	35.6	20.7	13.8	6.9
16 to 19 years	2,972	986	680	306	5.0	20.6	20.4	21.0	32.6	22.2	10.4
25 years and over	21,492	1,478	898	580	36.1	31.5	27.8	39.5	6.9	4.2	2.7
White	50,180	3,809	2,596	1,311	64.3	83.2	80.5	88.3	7.6	5.2	2.6
Black	7,687	670	547	123	12.8	14.3	16.9	8.4	8.7	7.1	1.6
Hispanic origin ³	5,155	416	342	74	8.7	8.9	10.6	5.0	8.1	6.8	1.4
Full-time workers	44,482	1,594	1,099	506	74.7	33.9	33.7	34.4	3.6	2.4	1.1
Part-time workers ⁴	15,080	3,103	2,140	963	25.3	66.1	66.3	65.6	20.8	14.2	6.4
Private sector	51,985	4,314	2,919	1,395	87.3	81.8	80.4	95.0	8.3	5.6	2.7
Goods-producing industries ⁵	19,128	548	447	99	32.1	11.6	13.6	6.7	2.9	2.3	.8
Service-producing industries ⁶	32,840	3,770	2,473	1,297	55.1	90.3	76.8	88.4	11.5	7.5	3.9
Retail trade	12,588	2,418	1,578	839	21.1	81.4	48.8	67.2	19.8	12.5	6.7
Services	12,680	1,184	798	438	21.8	25.4	23.9	29.0	9.2	5.9	3.3
Public sector	7,687	383	310	73	12.7	8.2	9.6	5.0	5.0	4.1	1.0

¹ Excludes the incorporated self-employed. ² Includes races not shown separately. ³ Persons of Hispanic origin may be any race. ⁴ Working fewer than 35 hours per week. ⁵ Includes agriculture, mining, construction, and manufacturing. ⁶ Includes transportation and public utilities, wholesale trade, finance, insurance, and real estate, private households, and service industries, not shown separately.

Source: U.S. Bureau of Labor Statistics, unpublished data.

NO. 676. MAJOR COLLECTIVE BARGAINING AGREEMENTS—AVERAGE PERCENT EFFECTIVE WAGE ADJUSTMENTS: 1975 TO 1987

[In percent, except as indicated. Data represent all wage adjustments implemented under the terms of private nonfarm industry agreements affecting 1,000 workers or more. Series cover production and related workers in manufacturing and nonsupervisory workers in nonmanufacturing industries. Effective wage adjustment data measure all wage changes effective in the year stemming from settlements reached in the year, deferred from prior year agreements, and cost-of-living adjustment (COLA) clauses]

ADJUSTMENTS	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total effective adjustments (prompted over all workers).....	3.7	3.0	3.2	3.1	3.9	3.5	3.8	4.0	3.7	3.3	2.3	3.1
Source:												
Current settlements.....	2.8	3.0	2.0	3.0	3.6	2.5	1.7	.8	.5	.7	.5	.7
Prior agreements.....	3.7	3.2	3.7	3.0	3.6	3.8	3.8	2.5	2.0	1.8	1.7	1.8
COLA.....	2.2	1.7	2.4	3.1	2.8	3.2	1.4	.8	.9	.7	.2	.5
Industry:												
Manufacturing.....	3.3	3.4	3.6	3.5	10.2	9.4	6.2	2.7	4.3	2.8	1.6	3.4
Nonmanufacturing.....	3.9	7.6	7.9	6.8	9.7	9.5	7.9	4.8	3.3	3.6	2.9	2.8
Construction.....	3.1	3.3	3.5	7.1	9.9	11.2	9.7	4.4	2.9	3.0	3.0	3.1
Transportation and public utilities.....	3.7	3.5	3.2	11.2	10.8	8.6	7.1	4.4	3.0	3.6	2.7	2.7
Wholesale and retail trade.....	3.2	3.7	3.4	6.7	7.8	6.1	6.8	6.1	3.4	3.3	2.9	2.0
Services.....	3.4	3.7	3.8	7.0	9.1	8.6	7.8	7.0	4.9	5.1	2.7	3.8
Nonmanufacturing, excluding construction.....	3.3	5.1	6.6	6.5	9.6	9.8	7.1	6.0	3.4	3.7	2.9	2.8
Effective wage change for workers receiving change.....						3.6	7.2	4.7	4.4	4.1	2.8	3.5
Source:												
Current settlements.....						3.3	7.4	2.8	3.0	3.4	1.8	2.9
Prior agreements.....						5.3	6.3	5.9	4.0	3.7	3.8	3.3
COLA.....						6.1	3.1	2.1	2.7	2.2	1.0	2.6
Total number of workers receiving wage change (mil.).....	(34)	(34)	(34)	(34)	(34)	3.6	7.9	6.6	6.2	6.6	5.4	5.4
Source (mil.):												
Current settlements.....						2.3	1.9	2.3	1.9	1.4	1.6	1.6
Prior agreements.....						6.3	4.6	3.5	3.7	3.4	2.8	3.5
COLA.....						4.8	3.8	2.3	2.5	2.3	1.4	1.3
Number of workers not receiving a wage change (mil.).....						.1	.8	1.2	1.1	1.4	1.8	1.0

NA Not available.

Source: U.S. Bureau of Labor Statistics, *Current Wage Developments*, monthly.

NO. 677. MAJOR COLLECTIVE BARGAINING SETTLEMENTS—AVERAGE PERCENT ADJUSTMENTS IN WAGES AND COMPENSATION NEGOTIATED: 1975 TO 1987

[In percent, except as indicated. Data represent private nonfarm industry settlements affecting production and related workers in manufacturing and nonsupervisory workers in nonmanufacturing industries. Wage data cover units with 1,000 workers or more. Compensation data relate to units of 5,000 or more. Data relate to contracts negotiated in each calendar year but exclude possible adjustments in wages under cost-of-living adjustment (COLA) clauses, except increases guaranteed by the contract. Includes all settlements, whether wages and benefits were changed or not. Minus sign (-) indicates decrease]

ADJUSTMENTS	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Compensation:												
First year.....	11.4	6.6	6.9	6.0	10.4	10.2	3.2	3.4	3.6	2.6	1.1	3.0
Over life of contract ¹	6.1	6.2	6.9	6.8	7.1	6.8	2.6	3.0	2.9	2.7	1.8	2.6
Wage rates:												
All industries:												
First year.....	10.2	7.8	7.9	7.4	6.6	9.9	3.6	2.6	2.4	2.9	1.2	2.2
Contracts with COLA.....	12.2	6.0	6.9	9.2	6.0	6.0	2.2	1.9	2.9	1.6	1.9	2.9
Contracts without COLA.....	9.1	7.8	8.0	9.1	11.7	10.6	7.0	3.3	2.1	2.7	.9	2.1
Over life of contract ¹	7.8	6.6	6.4	6.0	7.1	7.9	3.6	2.6	2.4	2.7	1.9	2.1
Contracts with COLA.....	7.1	6.0	6.9	4.6	6.0	6.6	2.1	2.0	1.8	2.8	1.7	1.6
Contracts without COLA.....	6.3	6.9	7.1	6.0	10.8	9.8	6.6	3.7	2.7	2.9	1.9	2.5
Manufacturing:												
First year.....	9.8	6.4	6.9	6.6	7.4	7.2	2.6	.4	2.9	.9	-1.2	2.1
Over life of contract ¹	6.0	6.5	6.8	5.4	6.4	6.1	2.6	2.1	1.5	1.8	.2	1.3
Nonmanufacturing:												
First year.....	10.4	7.4	7.4	9.0	10.9	11.2	4.8	3.9	2.8	3.9	2.0	2.3
Over life of contract ¹	7.6	6.0	6.4	6.8	8.9	8.8	4.7	3.2	2.9	3.3	2.9	2.7
Number of workers affected (mil.).....	2.9	4.0	2.5	3.5	3.8	2.4	3.3	3.1	2.3	2.2	2.5	2.0
Manufacturing (mil.).....	.8	1.8	.6	1.9	1.9	.9	1.7	1.1	.9	.9	.9	.9
Nonmanufacturing (mil.).....	2.1	2.4	2.0	1.6	2.3	1.6	1.6	2.0	1.4	1.3	1.6	1.1

¹ Average annual rate of change.

Source: U.S. Bureau of Labor Statistics, *Current Wage Developments*, monthly.

NO. 678. MAJOR COLLECTIVE BARGAINING SETTLEMENTS—SELECTED CHARACTERISTICS BY CONTRACT DURATION: 1987

[Number of workers in thousands. For settlements reached in 1987 affecting 1,000 or more workers. For private nonfarm industry settlements affecting production and related workers in manufacturing and nonsupervisory workers in nonmanufacturing industries]

CHARACTERISTIC	All contracts	CONTRACT DURATION (months)						
		Less than 12	12	Between 12 and 24	24	Between 24 and 36	36	More than 36
Number of settlements.....	425	15	31	39	50	61	157	73
Number of workers.....	2,049	53	74	81	122	587	739	383
Average duration of settlement (months).....	33.2	9.3	12.0	16.5	24.0	33.7	36.0	40.7
Percent wage adjustment in—								
First year of contract.....	2.2	1.1	.6	2.1	4.1	2.4	2.7	.8
Second year of contract ¹	1.9	(x)	(x)	.5	4.2	.8	3.2	1.2
Third year of contract ²	1.9	(x)	(x)	(x)	(x)	.6	3.4	1.3
Over life of contract ³	2.1	2.1	.8	1.8	4.1	1.3	3.1	1.1

X Not applicable. ¹ For settlements with a duration of greater than 12 months. ² For settlements with a duration of greater than 24 months. ³ Average annual percent adjustment.

Source: U.S. Bureau of Labor Statistics, *Current Wage Developments*, March 1988.

NO. 679. WORK STOPPAGES: 1960 TO 1987

[Excludes work stoppages involving fewer than 1,000 workers and lasting less than 1 day. Information is based on reports of labor disputes appearing in daily newspapers, trade journals, and other public sources. The parties to the disputes are contacted by telephone, when necessary, to clarify details of the stoppages]

YEAR	Number of work stoppages ¹	Workers involved ² (1,000)	DAYS IDLE		YEAR	Number of work stoppages ¹	Workers involved ² (1,000)	DAYS IDLE	
			Number ³ (1,000)	Percent estimated working time ⁴				Number ³ (1,000)	Percent estimated working time ⁴
1960.....	222	686	13,260	.09	1978.....	219	1,000	23,774	.11
1961.....	298	699	15,140	.10	1979.....	235	1,021	20,409	.09
1962.....	412	1,576	29,397	.16	1980.....	187	795	20,844	.09
1963.....	381	2,468	52,781	.29	1981.....	148	729	18,906	.07
1964.....	296	2,516	35,536	.19	1982.....	98	656	9,061	.04
1965.....	250	975	18,764	.09	1983.....	81	909	17,461	.08
1966.....	317	1,400	13,260	.09	1984.....	62	376	8,499	.04
1967.....	424	1,798	31,809	.16	1985.....	54	324	7,079	.03
1968.....	235	985	17,563	.09	1986.....	69	533	11,861	.05
1969.....	231	1,519	23,962	.12	1987.....	46	174	⁵ 4,468	.02
1970.....	296	1,212	21,256	.10					

¹ Beginning in year indicated. ² Workers counted more than once if involved in more than 1 stoppage during the year. ³ Resulting from all stoppages in effect in a year, including those that began in an earlier year. ⁴ Agricultural and government employees are included in the total working time; private household, forestry and fishery employees are excluded. ⁵ Revised since originally published.

Source: U.S. Bureau of Labor Statistics, *Current Wage Developments*, monthly.

NO. 680. WORKERS KILLED OR DISABLED ON THE JOB, 1960 TO 1987, AND BY INDUSTRY GROUP, 1987

[1987 data are preliminary estimates. Estimates based on data from U.S. National Center for Health Statistics, State departments of health, and State industrial commissions. Numbers of workers based on data from U.S. Bureau of Labor Statistics]

YEAR	DEATHS						Dis- abling Inju- ries ² (1,000)	YEAR AND INDUSTRY GROUP	DEATHS		Dis- abling Inju- ries ² (1,000)
	Total		Manufacturing		Nonmanufac- turing				Num- ber (1,000)	Rate ¹	
	Num- ber (1,000)	Rate ¹	Num- ber (1,000)	Rate ¹	Num- ber (1,000)	Rate ¹					
1960	13.8	21	1.8	10	12.1	25	1,980	1987, total	11.1	19	1,889
1965	14.1	20	1.8	10	12.3	24	2,100	Agriculture ³	1.6	49	160
1970	13.8	18	1.7	9	12.1	21	2,260	Mining and quarrying	.3	38	30
1975	13.0	15	1.8	9	11.4	17	2,200	Construction	2.2	35	180
1980	13.2	13	1.7	8	11.5	15	2,200	Manufacturing	1.1	6	300
1984	11.5	11	1.1	6	10.4	12	1,900	Transportation and utilities	1.5	28	150
1986	11.5	11	1.2	6	10.3	12	2,000	Trade ⁴	1.3	5	380
1989	11.2	10	1.1	6	10.1	11	1,800	Service ⁵	1.8	5	380
1987	11.1	10	1.1	6	10.0	11	1,809	Government	1.3	8	220

¹ Per 100,000 workers. ² Disabling injury defined as one which results in death, some degree of physical impairment, or renders the person unable to perform regular activities for a full day beyond the day of the injury. ³ Includes forestry and fishing. ⁴ Includes wholesale and retail trade. ⁵ Includes finance, insurance and real estate.

Source: National Safety Council, Chicago, IL, *Accident Facts*, annual. (Copyright.)

No. 681. OCCUPATIONAL INJURY AND ILLNESS INCIDENCE RATES, SELECTED INDUSTRIES: 1980 TO 1986

[Rates per 100 full-time employees. For nonfarm employment data, see table 657. Rates refer to any occupational injury or illness resulting in (1) fatalities, (2) lost workday cases, or (3) nonfatal cases without lost workdays. Incidence rates were calculated as: Number of injuries and illnesses or lost workdays divided by total hours worked by all employees during year multiplied by 200,000 as base for 100 full-time equivalent workers (working 40 hours per week, 50 weeks a year). Based on the 1972 Standard Industrial Classification (SIC) Manual]

SIC ¹ code	INDUSTRY	TOTAL CASES ²			LOST WORKDAY CASES			NONFATAL CASES, NO LOST WORKDAYS			LOST WORKDAYS	
		1980	1985	1986	1980	1985	1986	1980	1985	1986	1985	1986
(X)	Private sector ³	6.7	7.8	7.8	4.0	3.6	3.6	4.7	4.3	4.3	64.8	65.6
A	Agriculture, forestry, fishing ⁴	11.8	11.4	11.2	6.8	6.7	6.6	6.1	6.8	6.6	91.3	93.6
B	Mining	11.2	8.4	7.4	6.6	4.8	4.1	4.8	3.6	3.2	146.3	126.9
10	Metal mining	8.9	6.1	6.3	5.5	3.9	3.6	3.4	2.7	2.7	113.5	88.9
11	Anthracite mining	13.8	8.7	8.3	6.5	7.0	6.9	5.2	1.5	1.3	446.8	272.3
12	Bituminous coal and lignite	10.1	6.6	6.0	6.3	5.1	5.8	1.6	1.5	2.1	198.2	172.8
13	Oil and gas extraction	13.4	10.1	8.1	6.7	5.3	3.8	8.8	4.8	4.2	143.8	129.8
14	Nonmetallic minerals, exc. fuels	5.4	3.9	4.5	3.8	2.6	3.0	1.8	1.3	1.4	87.3	63.8
C	Construction	15.7	15.2	15.2	6.6	6.8	6.9	6.1	6.4	6.3	128.8	134.6
15	General building contractors	15.5	15.2	14.8	6.6	6.8	6.6	6.0	6.4	6.2	120.4	122.7
16	Heavy construction contractors	16.3	14.5	14.7	6.3	6.3	6.8	6.9	6.1	6.3	127.3	132.9
17	Special trade contractors	15.5	15.4	15.6	6.7	7.0	7.2	6.8	6.4	6.4	133.3	140.4
D	Manufacturing	12.2	10.4	10.8	5.4	4.8	4.7	6.8	5.8	5.9	80.2	85.2
(X)	Durable goods	12.9	10.9	11.0	5.6	4.7	4.6	7.3	6.2	6.2	82.0	87.1
24	Lumber and wood products	18.6	15.5	15.9	9.6	8.3	9.7	8.1	9.2	9.2	171.4	177.2
25	Furniture and fixtures	16.0	15.0	15.2	6.6	6.3	6.3	6.4	6.7	6.0	100.4	103.0
32	Stone, clay and glass products	15.0	13.9	13.8	7.1	6.7	6.5	7.9	7.2	7.1	127.8	128.0
33	Primary metal industries	16.2	12.6	13.6	7.1	5.7	6.1	6.1	6.8	7.5	113.8	125.5
34	Fabricated metal products	18.5	16.3	16.0	8.0	6.9	6.6	10.5	9.4	9.2	110.1	115.5
35	Machinery exc. electric	13.7	10.6	10.7	5.5	4.2	4.2	6.2	6.6	6.5	89.3	72.0
36	Electric and electronic equipment	8.0	6.4	6.4	3.3	2.7	2.7	4.7	3.7	3.6	45.7	49.8
37	Transportation equipment	10.6	9.0	9.6	4.6	3.8	4.1	5.7	5.0	5.4	71.8	79.1
38	Instruments and related products	8.8	5.2	5.3	2.7	2.2	2.3	4.1	3.0	2.9	37.9	42.2
39	Miscellaneous	10.9	9.7	10.2	4.3	4.2	4.3	6.5	5.8	5.9	73.2	70.9
(X)	Nondurable goods	11.1	9.6	10.0	5.0	4.4	4.6	6.1	5.2	5.5	77.8	82.3
20	Food and kindred products	18.7	16.7	16.5	9.0	8.1	8.0	9.7	8.8	8.5	136.0	137.8
21	Tobacco manufactures	8.1	7.3	6.7	3.6	3.0	2.5	4.3	4.3	4.1	51.7	46.6
22	Textile mill products	8.1	7.5	7.8	3.3	3.0	3.1	5.8	4.5	4.8	57.4	59.3
23	Apparel and other textile products	6.4	6.7	6.7	2.2	2.6	2.7	4.2	4.1	4.0	44.1	48.4
26	Paper and allied products	12.7	10.2	10.5	5.8	4.7	4.7	6.8	5.5	5.8	94.8	99.8
27	Printing and publishing	6.9	6.3	6.6	3.1	2.6	2.9	3.8	3.6	3.6	49.2	50.8
28	Chemicals and allied products	6.8	5.1	6.3	3.1	2.3	2.7	3.7	2.8	3.5	38.8	48.4
29	Petroleum and coal products	7.2	5.1	7.1	3.5	2.4	3.2	3.7	2.7	3.9	49.9	67.5
30	Rubber and misc. plastics products	15.5	13.4	14.0	7.4	6.3	6.6	8.1	7.1	7.4	107.4	116.2
31	Leather and leather products	11.7	10.3	10.5	5.0	4.6	4.8	6.7	5.7	5.7	86.3	83.4
E	Transportation, public utilities	8.4	8.6	8.2	5.6	5.8	4.8	3.8	3.6	3.4	107.1	108.1
40	Railroad transportation	11.1	8.4	6.8	7.2	5.8	4.8	3.8	2.6	1.9	82.0	76.1
41	Local passenger transit ⁵	8.5	9.4	9.3	5.2	5.4	5.7	4.3	3.8	3.6	120.7	138.8
42	Trucking and warehousing	14.9	13.9	13.1	9.0	8.6	8.0	5.8	5.4	5.1	210.1	191.6
44	Water transportation	14.2	13.0	12.7	8.4	7.2	7.9	6.7	5.8	5.3	249.1	264.3
45	Air transportation	13.3	13.1	13.0	6.2	7.4	7.8	5.1	5.7	5.2	116.3	117.4
46	Pipelines, except natural gas	5.2	3.7	4.5	1.7	1.6	1.2	3.5	2.1	3.2	45.8	34.8
47	Transportation services	4.7	3.9	3.8	2.5	2.2	2.1	2.2	1.7	1.6	42.8	34.3
48	Communication	2.8	2.9	2.7	1.6	1.6	1.4	1.2	1.3	1.3	34.2	23.8
49	Electric, gas, sanitary services	8.8	8.9	8.8	4.3	3.4	3.4	4.2	3.5	3.4	62.4	61.1
F, G	Wholesale and retail trade	7.4	7.4	7.7	3.2	3.2	3.3	4.3	4.2	4.3	80.7	84.0
F	Wholesale trade	8.2	7.2	7.2	3.9	3.6	3.6	4.3	3.6	3.8	59.8	62.5
G	Retail trade	7.1	7.5	7.8	2.9	3.1	3.2	4.2	4.4	4.6	47.0	50.5
H	Finance, insurance, real estate ⁶	2.0	2.0	2.0	.8	.8	.8	1.1	1.1	1.1	15.4	17.1
60	Banking	1.5	1.6	1.6	.6	.7	.6	.9	1.0	.9	10.7	10.7
62	Security commodity brokers	.8	.8	.7	.3	.3	.2	.5	.4	.5	4.0	3.9
63	Insurance carriers	1.7	1.6	1.9	.7	.8	.9	1.0	1.0	1.1	16.0	17.8
64	Insurance agents, brokers, and service	.8	.7	.6	.3	.3	.3	.5	.4	.5	5.2	6.1
65	Real estate	4.4	4.2	4.8	2.2	2.1	2.9	2.2	2.1	2.5	34.6	42.3
I	Services ⁷	6.2	6.4	6.3	2.3	2.8	2.5	2.8	2.8	2.7	45.4	43.8
70	Hotels and other lodgings	8.9	10.0	10.0	3.7	4.3	4.3	5.2	5.8	5.7	64.1	73.0
72	Personal services	2.9	2.9	3.2	1.3	1.5	1.6	1.6	1.6	1.6	26.4	27.6
73	Business services	4.4	4.7	4.9	2.1	2.2	2.2	2.3	2.5	2.7	46.8	50.2
75	Auto repair services, and garages	7.5	8.6	8.8	3.3	3.2	3.2	4.2	3.3	3.6	51.5	54.7
76	Miscellaneous repair services	6.8	7.9	7.0	4.2	4.0	3.4	4.6	3.9	3.5	69.4	66.4
78	Motion pictures	4.7	4.1	4.2	1.6	1.6	1.4	3.1	2.6	2.8	31.7	27.0
79	Amusement, recreation services	9.2	8.2	8.9	3.8	3.5	4.2	6.4	4.6	4.8	51.2	56.8
80	Health services	8.4	7.1	6.6	3.1	3.6	3.5	3.3	3.5	3.1	63.2	60.2
81	Legal services	.4	.6	.5	.2	.3	.2	.2	.3	.2	7.3	6.0
82	Educational services	3.3	3.4	3.3	1.4	1.4	1.4	1.9	2.0	1.9	22.8	22.1
83	Social services	5.1	6.0	5.4	2.2	2.6	2.5	2.9	3.3	2.9	45.0	40.6
84	Museums, botanical, zoological gardens	7.5	6.0	7.1	3.3	2.7	3.0	4.1	3.3	4.1	39.3	39.6
85	Membership organizations	3.4	(NA)	(NA)	1.0	(NA)	(NA)	2.4	(NA)	(NA)	(NA)	(NA)
89	Miscellaneous services	1.8	1.7	1.6	.7	.7	.7	.9	1.0	.8	8.3	10.4

NA Not available. X Not applicable. ¹ Standard Industrial Classification; see text, section 12. ² "Cases" represents occurrences, includes fatalities for all employees. ³ Excludes farms with fewer than 11 employees. ⁴ Includes insurance. ⁵ Includes categories not shown separately.

Source: U.S. Bureau of Labor Statistics, *Occupational Injuries and Illnesses in the United States by Industry*, annual.

No. 682. U.S. MEMBERSHIP IN AFL-CIO AFFILIATED UNIONS, BY SELECTED UNION: 1975 TO 1987

[In thousands. Figures represent the labor organizations as constituted in 1987 and reflect past merger activity. Membership figures based on average per capita paid membership to the AFL-CIO for the 2-year period ending in June of the year shown and reflect only actively-employed members]

LABOR ORGANIZATION	1975	1976	1986	1987	LABOR ORGANIZATION	1975	1976	1986	1987
Total ¹	14,878	13,821	11,382	12,682	Graphic Communications ²	180	171	141	136
Automobile, Aerospace and Agriculture (UAW)	(0)	(0)	974	880	Hotel Employees and Restaurant Employees	421	373	327	293
Bakery, Confectionery and Tobacco ²	148	131	116	109	Ironworkers	180	148	140	122
Boiler Makers, Iron Shipbuilders ²	123	129	110	90	Laborers	475	475	383	371
Bricklayers	143	108	95	84	Letter Carriers (NALC)	151	151	186	200
Carpenters ²	712	628	608	608	Machinists and Aerospace (IAM)	780	694	620	608
Clothing and Textile Workers (ACTWU) ²	377	308	288	186	Musicians	215	206	87	60
Communication Workers (CWA)	478	485	524	515	Oil, Chemical, Atomic Workers (OCAW)	145	146	108	86
Electrical Workers (IBEW)	658	625	791	785	Painters	180	180	133	129
Electronic, Electrical and Technical ²	285	243	188	188	Paperworkers Int'l	275	282	232	221
Operating Engineers	300	313	330	330	Plumbing and Pipefitting	238	238	226	220
Firefighters	123	150	142	142	Postal Workers	248	245	232	230
Food and Commercial Workers (UFCW) ²	1,150	1,123	988	1,000	Retail, Wholesale Department Store ²	120	122	108	140
Garment Workers (LGWU)	383	314	210	173	Rubber, Cork, Linoleum, Plastic	173	158	108	87
Government, American Federation (AFGE)	255	235	189	157	Service Employees (SEIU) ²	480	537	986	782
					State, County, Municipal (AFSCME)	647	686	987	1,032
					Stevedores	1,082	854	572	494
					Teachers (AFT)	386	423	470	409
					Transport Workers	85	85	85	85

X Not applicable. ¹ Includes other AFL-CIO affiliated unions, not shown separately. ² Figures reflect mergers with one or more unions since 1975. For details see source.

Source: American Federation of Labor and Congress of Industrial Organizations, Washington, DC, *Report of the AFL-CIO Executive Council*, annual.

No. 683. U.S. UNION MEMBERSHIP, BY STATE: 1975 TO 1982

[Data represent annual average, dues-paying full-time equivalent membership derived from financial records. Excludes unemployed members. In general, annual per capita revenue received by the parent organization were divided by the per capita rate to yield membership. For unions with multiple dues structures or other structures, other methods were used. See text, section 13 and source for details. A right-to-work State has laws which prohibit collective bargaining contracts from including clauses requiring union membership as a condition of employment]

STATE	TOTAL (1,000)			PERCENT OF EMPLOYED ¹			STATE	TOTAL (1,000)			PERCENT OF EMPLOYED ¹		
	1975	1980	1982	1975	1980	1982		1975	1980	1982	1975	1980	1982
U.S. ²	22,207	20,988	19,571	24.6	23.2	21.9	MS ³	54	78	74	12.6	15.7	9.3
AL ⁴	275	245	239	23.9	18.1	18.2	MO	575	508	510	33.4	28.0	28.8
AK	57	56	59	41.2	33.1	30.4	MT	78	70	59	31.8	25.0	21.7
AZ	152	152	132	20.9	14.9	12.6	NE ⁵	107	104	98	19.3	18.6	16.3
AR ³	114	107	95	18.4	14.5	13.2	NV ³	98	103	80	37.4	25.8	22.1
CA	2,084	2,893	2,486	34.5	27.3	25.4	NH	50	49	48	16.9	12.7	12.3
CO	224	238	236	23.6	18.9	18.0	NJ	758	684	613	26.4	22.3	19.9
CT	238	287	289	27.7	18.7	18.8	NM	62	59	61	17.0	12.6	12.6
DE	58	58	59	25.8	22.3	20.3	NY	2,937	2,828	2,589	43.2	36.5	36.8
DC	191	216	199	33.0	35.1	33.4	NC ³	220	210	208	11.0	8.8	8.9
FL ⁴	427	348	389	15.8	9.7	8.6	ND ³	39	39	36	19.4	15.7	14.2
GA ³	248	282	279	14.4	13.1	12.7	OH	1,449	1,312	1,132	35.1	30.0	27.4
HI	117	129	126	34.3	31.8	31.5	OK	173	172	161	18.5	15.1	12.9
ID	52	56	50	18.4	17.1	16.1	OR	282	289	284	33.9	27.8	27.5
IL	1,553	1,431	1,261	35.1	28.5	27.5	PA	1,514	1,370	1,230	34.3	28.8	27.0
IN	610	627	606	21.6	20.5	25.1	RI	80	76	78	26.3	19.1	18.4
IA ³	232	238	211	22.4	21.4	20.5	SC ³	85	73	68	6.8	6.2	5.6
KS ⁴	128	121	110	18.0	12.8	12.0	SD ³	28	25	24	13.3	10.7	10.3
KY	257	251	237	24.8	20.7	20.4	TN ³	324	306	281	21.7	17.5	17.3
LA ⁵	237	226	223	19.8	14.9	13.8	TX ³	706	765	782	18.0	12.8	12.5
ME	74	87	75	20.7	20.7	18.5	UT ³	89	88	94	22.4	18.0	18.8
MD	391	314	311	27.5	18.3	18.6	VT	28	25	24	18.3	12.3	11.9
MA	585	515	517	24.3	19.4	18.7	VA ³	253	228	232	14.4	10.6	10.9
MI	1,319	1,212	1,076	42.2	36.2	33.7	WA	540	543	517	44.7	33.8	32.9
MN	428	431	419	29.0	24.3	24.5	WV	208	184	176	37.1	28.5	28.9
							WI	527	482	457	31.5	25.4	24.5
							WY ³	33	37	34	22.6	17.5	15.8

¹ Nonagriculture employees. ² Includes Canal Zone, Guam, Puerto Rico and Virgin Islands not shown separately. ³ Right-to-work State. ⁴ Right-to-work State for 1975 and 1980. ⁵ Right-to-work State beginning 1980.

Source: Industrial Relations Data and Information Service, West Orange, NJ, *U.S. Union Sourcebook* (Copyright).

NO. 684. UNION MEMBERS, BY SELECTED CHARACTERISTICS: 1963 AND 1967

(Annual averages of monthly data. Covers employed wage and salary workers 16 years old and over. Excludes self-employed workers whose businesses are incorporated although they technically qualify as wage and salary workers. Based on Current Population Survey, see text, section 1 and Appendix III.)

CHARACTERISTIC	EMPLOYED WAGE AND SALARY WORKERS						MEDIAN USUAL WEEKLY EARNINGS ³ (dol.)					
	Total (1,000)		Union members ¹ (1,000)		Represented by unions ² (1,000)		Percent union members		Percent represented by union		Total	
	1963	1967	1963	1967	1963	1967	1963	1967	1963	1967	1963	1967
Total	36,290	94,368	17,717	14,913	20,532	19,051	23.1	17.0	23.3	19.2	313	373
16-24 years	19,305	19,553	1,746	1,290	2,145	1,536	8.1	6.5	11.1	7.8	210	242
25-34 years	25,978	30,197	5,097	4,752	5,980	5,436	19.6	15.7	23.1	18.0	321	373
35-44 years	18,722	23,443	4,048	5,080	5,982	6,864	21.6	21.7	28.6	24.2	369	435
45-54 years	13,150	14,716	3,554	3,442	4,014	3,821	27.0	23.4	30.5	26.0	366	402
55-64 years	9,201	9,346	2,474	2,142	2,786	2,367	26.9	22.9	30.3	25.3	346	405
65 years and over	1,934	2,042	106	106	234	234	10.1	9.7	12.1	11.0	250	310
Men	47,896	52,838	11,808	11,071	13,270	12,144	24.7	20.9	27.7	22.9	379	433
Women	40,433	46,365	5,908	3,842	7,262	6,907	14.9	12.6	16.0	14.9	332	303
White	77,046	85,526	14,344	13,972	17,168	16,712	18.6	16.3	22.9	19.4	616	568
Black	42,188	45,079	10,134	9,407	11,364	10,286	24.0	20.4	28.9	22.3	367	403
Hispanic ⁴	34,877	39,446	4,710	4,555	5,434	5,434	13.5	11.5	16.7	13.8	254	307
Men	8,979	10,898	2,440	2,445	2,899	2,789	27.2	23.8	31.3	26.5	361	361
Women	4,477	5,359	1,450	1,391	1,616	1,531	31.7	25.9	36.1	28.7	255	255
Hispanics ⁴	4,502	5,508	1,089	1,065	1,555	1,296	22.7	18.3	27.4	22.5	251	275
Men	7,316	7,816	1,334	1,234	1,571	1,371	17.1	14.9	21.7	18.9	304	304
Women	4,315	4,315	889	889	964	964	18.9	16.9	21.7	18.9	300	300
Full-time workers	70,976	80,536	16,271	15,670	18,745	17,567	22.9	19.4	28.4	21.7	515	573
Part-time workers	17,314	18,467	1,446	1,243	1,787	1,484	8.4	6.7	10.3	8.0	102	102
Managerial and professional specialty	19,657	23,376	3,354	3,512	4,307	4,389	17.1	15.0	21.8	18.9	437	532
Technical sales, and admin. support	28,084	31,801	3,377	3,265	4,198	3,898	12.1	10.3	15.0	12.2	281	332
Service occupations	12,875	13,676	1,871	1,853	2,308	2,187	15.3	14.1	17.9	15.8	355	354
Precision, production, craft, and repair	10,943	11,567	3,466	3,132	3,760	3,394	32.9	27.1	35.7	28.1	377	416
Operators, fabricators, and laborers	15,418	16,020	5,452	4,966	6,839	6,234	35.4	29.3	37.6	30.9	275	308
Farming, forestry, and fishing	1,775	1,793	96	86	122	113	5.5	5.4	6.9	6.4	196	217
Agriculture wage and salary workers	1,446	1,468	49	38	55	57	3.4	2.2	3.8	2.5	196	219
Private nonagri. wage and salary workers	71,225	80,939	11,833	10,836	13,969	11,850	16.9	13.4	16.8	14.6	307	362
Mining	869	782	160	143	301	152	20.7	18.5	33.1	19.5	461	514
Construction	4,108	5,052	1,131	1,080	1,307	1,123	27.5	21.0	29.4	22.2	348	367
Manufacturing	18,088	20,235	5,339	4,891	5,912	5,008	27.8	23.3	30.6	24.7	536	560
Transportation and public utilities	5,142	5,816	2,182	1,947	2,376	2,105	42.4	33.5	48.2	38.2	417	482
Wholesale and retail trade, total	16,061	20,401	1,668	1,440	1,775	1,572	6.7	7.1	9.8	7.7	352	352
Finance, insurance, and real estate	5,559	6,736	180	158	226	217	2.6	2.3	4.1	3.2	286	273
Services	16,400	21,905	1,410	1,267	1,770	1,673	7.7	6.3	9.6	7.6	272	272
Government	15,818	18,341	5,736	5,055	7,108	7,164	36.7	28.0	45.5	42.5	351	424

¹ Data not shown where base is less than 50,000. ² NA Not available. ³ Members of a labor union or an employee association similar to a labor union. ⁴ Members of a labor union or an employee association similar to a labor union. ⁵ For full-time employed wage and salary workers; 1963 revised since originally published. ⁶ Hispanic persons may be of any race.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, January issues.



Section 14

Income, Expenditures, and Wealth

This section presents data on gross national product (GNP), national and personal income, saving and investment, money income, poverty, and national and personal wealth. The data on income and expenditure measure two aspects of the U.S. economy. One aspect relates to the national income and product accounts (NIPA), a summation reflecting the entire complex of the Nation's economic income and output and the interaction of its major components; the other relates to the distribution of money income to families and individuals, or consumer income.

The primary source for data on GNP, national and personal income, and gross saving and investment is the *Survey of Current Business*, published monthly, with supplements, by the Department of Commerce, Bureau of Economic Analysis (BEA). A comprehensive revision to the NIPA was completed in December 1985. A discussion of the revision appears in the October 1985 and the December 1985 *Survey of Current Business*. Detailed historical data appear in *The National Income and Product Accounts of the United States, 1929-82, Statistical Tables* and the July 1986 issue of the *Survey of Current Business*; detailed data for the most recent years are normally published each July in the *Survey*.

Sources of income distribution data are the decennial censuses of population and the Current Population Survey (CPS), both products of the Bureau of the Census (see text, section 1). Annual data on income of families, individuals, and households, by income class, are presented in *Current Population Reports—Consumer Income*, series P-60.

Data on individuals' saving and assets are published by the Board of Governors of the Federal Reserve System in the quarterly *Flow of Funds Accounts*; and detailed information on personal wealth is published periodically by the Internal Revenue Service (IRS) in *SOI Bulletin*.

National income and product.—*Gross national product (GNP)* is the total national output of goods and services valued at market prices. GNP can be viewed in terms of expenditure categories which comprise purchases of goods and services by consumers and government, gross private domestic investment, and net exports of goods and services. The goods and services included are largely those bought for final use (excluding illegal transactions) in the market economy. A number of inclusions, however, represent imputed values, the most important of which is rental value of owner-occupied housing. GNP, in this broad context, measures the output attributable to the factors of production—labor and property—supplied by U.S. residents. GNP differs from "national income" mainly in that GNP includes allowances for depreciation and for indirect business taxes (sales and property taxes); see table 689.

Gross domestic product (GDP) measures the output of production attributable to all labor and property located in a country. GDP relates to the physical location of the factors of production. *Gross state product (GSP)* is the gross market value of the goods and services attributable to labor and property located in a state. It is the State counterpart of the Nation's gross domestic product.

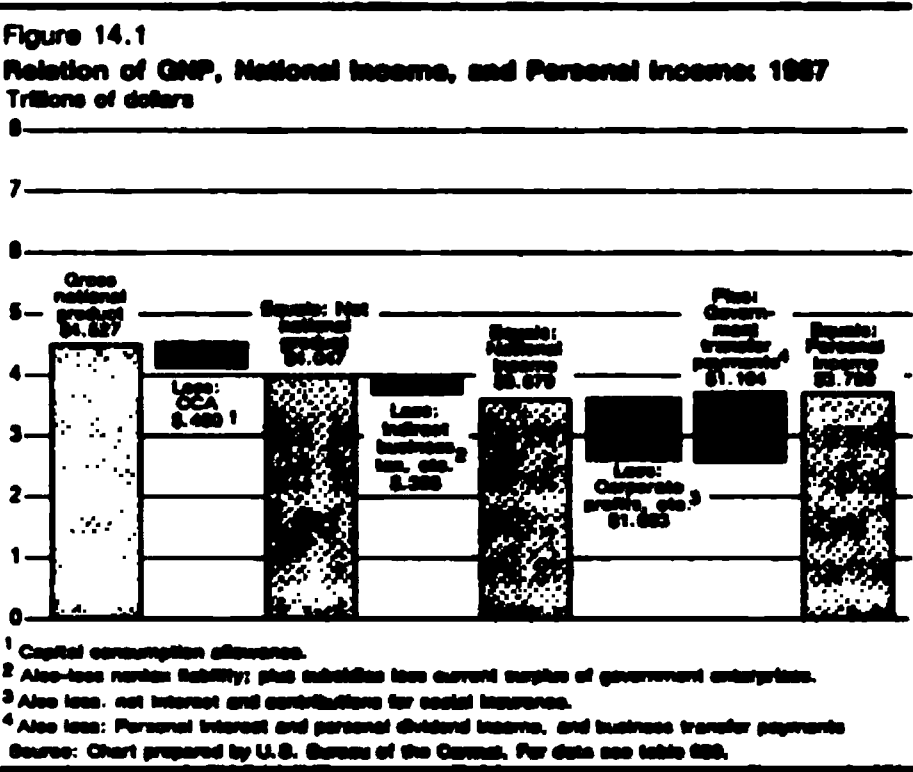
National income is the aggregate of labor and property earnings which arises in the current production of goods and services. It is the sum of employee compensation, proprietors' income, rental income, corporate profits, and net interest. It measures the total factor costs of the goods and services produced by the economy. Income is measured before deduction of taxes on income.

Capital consumption adjustment for corporations, nonfarm sole proprietorships, and partnerships is the difference between capital consumption claimed on income tax returns and capital consumption allowances that are measured at straightline depreciation, consistent service lives, and replacement cost. The tax return data are valued at historical costs and reflect changes over time in service lives and depreciation patterns as permitted by tax regulations. *Inventory valuation adjustment* represents the difference between the book value of inventories used up in production and the cost of replacing them.

Personal income is the current income received by persons from all sources minus their personal contributions for social insurance. Classified as "persons" are individuals (including owners of unincorporated firms), nonprofit institutions serving individuals, private trust funds, and private nonin-

sured welfare funds. Personal income includes transfers (payments not resulting from current production) from government and business such as Social Security benefits, public assistance, etc., but excludes transfers among persons. Also included are certain nonmonetary types of income—chiefly, estimated net rental value to owner-occupants of their homes and the value of services furnished without payment by financial intermediaries and food and fuel produced and consumed on farms.

Disposable personal income is personal income less personal tax and nontax payments. It is the income available to persons for spending and saving. Personal tax and nontax payments are tax payments (net of refunds) by persons (except personal contributions for social insurance) that are not chargeable to business expense, and certain personal payments to general government that are treated like taxes. Personal taxes include income, estate and gift, and personal property taxes and motor vehicle licenses. Nontax payments include passport fees, fines and penalties, donations, and tuitions and fees paid to schools and hospitals operated mainly by government.



Consumer Expenditure Survey.—The Consumer Expenditure Survey program was begun in late 1979. The principal objective of the survey is to collect current consumer expenditure data which provide a continuous flow of data on the buying habits of American consumers. The data are necessary for future revisions of the Consumer Price Index.

The survey conducted by the Bureau of the Census for the Bureau of Labor Statistics, consists of two components: (1) An interview panel survey in which the expenditures of consumer units are obtained in five interviews conducted every 3 months; and (2) a diary or recordkeeping survey completed by participating households for two consecutive 1-week periods.

Each component of the survey queries an independent sample of consumer units representative of the U.S. urban population. Over 52 weeks of the year, 5,000 consumer units are sampled for the diary survey. Each consumer unit keeps a diary for two 1-week periods yielding approximately 10,000 diaries a year. The interview sample is selected on a rotating panel basis, targeted at 5,000 consumer units per quarter. Data are collected in 85 urban areas of the country that are representative of the U.S. urban population. The survey includes students in student housing.

The Diary survey is designed to obtain expenditures on small, frequently purchased items which are normally difficult for respondents to recall. Detailed records of expenses are kept for food and beverages, both at home and in eating places, tobacco, housekeeping supplies, nonprescription drugs, and personal care products and services.

The Interview survey is designed to obtain data on the types of expenditures which respondents can be expected to recall for a period of 3 months or longer. In general, these include relatively large expenditures, such as these for property, automobiles, and major appliances, or expenditures which occur on a fairly regular basis, such as rent, utilities, or insurance premiums. Including "global estimates" for food, it is estimated that about 95 percent of expenditures are covered in the interview. Excluded are nonprescription drugs, household supplies, and personal care items. The interview survey also provides data on expenditures incurred while on trips. Both surveys exclude all business related expenditures for which the family is reimbursed.

Distribution of money income to families and individuals.—Money income statistics are based on data collected in various field surveys of income conducted since 1936. Since 1947, the Bureau of the Census has collected the data on an annual basis and published them in *Current*

Population Reports, series P-60. In each of the surveys, enumerators interview representative samples of the population with respect to income received during the previous year. Money income as defined by the Bureau of the Census differs from the BEA concept of "personal income."

Data on consumer income collected in the CPS by the Bureau of the Census cover money income received (exclusive of certain money receipts such as capital gains) before payments for personal income taxes, Social Security, union dues, Medicare deductions, etc. Therefore, money income does not reflect the fact that some families receive part of their income in the form of non-cash benefits (see section 12) such as food stamps, health benefits, and subsidized housing, that some farm families receive noncash benefits in the form of rent-free housing and goods produced and consumed on the farm, or that noncash benefits are also received by some nonfarm residents which often take the form of the use of business transportation and facilities, full or partial payments by business for retirement programs, medical and educational expenses, etc. These elements should be considered when comparing income levels. For data on noncash benefits, see section 12. None of the aggregate income concepts (GNP, national income, or personal income) is exactly comparable with money income, although personal income is the closest.

Several changes were made in the collection and presentation of data from the March 1980 CPS. The changes include (1) the use of a more detailed income questionnaire for all sample households, (2) the use of an expanded sample, (3) the implementation of the "householder" concept rather than the traditional "head" concept, (4) the exclusion of a small number of "secondary families" from the count of all families, (5) the use of more detailed income intervals in the upper range of the income distribution, (6) the introduction of the new farm definition, and (7) the restriction of the population with income to persons 15 years old and over. For more information on the impact and comparability, see the source.

Beginning in the March 1981 Current Population Survey, 1980 census population controls were used; for income years 1971 through 1979, 1970 census population controls had been used. This change had little impact on income summary measures (means and medians) and proportional measures (percent distributions and poverty rates); however, use of the controls may have significant impact on the absolute numbers.

Income and poverty data for 1986 are the first estimates based entirely on households selected from the 1980 census-based sample design. Estimates by type of residence categories such as metropolitan, nonmetropolitan, farm, and nonfarm reflect metropolitan areas defined as of June 1984. In addition, the March 1987 CPS income supplement was revised to allow for the coding of larger earnings amounts on the questionnaire. A description of this change and its effect on estimates in this report can be found in *Current Population Reports*, series P-60, No. 157.

In October 1983, the Census Bureau began to collect data under the new Survey of Income and Program Participation (SIPP). The information supplied by this survey is expected to provide better measures of the status and changes in income distribution and poverty of households and persons in the United States. The data collected in SIPP will be used to study Federal and State aid programs (such as food stamps, welfare, Medicaid, and subsidized housing), to estimate program costs and coverage, and to assess the effects of proposed changes in program eligibility rules or benefit levels. The core questions are repeated at each interview and cover labor force activity, the types and amounts of income received, and participation status in various programs. The core also contains questions covering attendance in postsecondary schools and private health insurance coverage. Various supplements or topical modules covering areas such as educational attainment, assets and liabilities, and pension plan coverage are periodically included.

Poverty.—Families and unrelated individuals are classified as being above or below the poverty level using the poverty index originated at the Social Security Administration in 1964 and revised by Federal Interagency Committees in 1969 and 1980. The poverty index is based solely on money income and does not reflect the fact that many low-income persons receive noncash benefits such as food stamps, medicaid, and public housing. The index is based on the Department of Agriculture's 1981 economy food plan and reflects the different consumption requirements of families based on their size and composition. The poverty thresholds are updated every year to reflect changes in the Consumer Price Index. The following technical changes to the thresholds were made in 1981: (1) distinctions based on sex of householder have been eliminated; (2) separate thresholds for farm families have been dropped; and (3) the matrix has been expanded to families of nine or more persons from the old cutoff of seven or more persons. These changes have been incorporated in the calculation of poverty data beginning with 1981. The table on page 420 shows

the average thresholds used for selected years between 1970 and 1987. See *Current Population Reports*, series P-60, Nos. 136, 149, 152, 157, and 160 for more details.

WEIGHTED AVERAGE POVERTY LEVELS BASED ON MONEY INCOME FOR FAMILIES AND UNRELATED INDIVIDUALS: 1970 TO 1987

SIZE OF UNIT	1970 ¹	1975 ¹	1980 ¹	1981	1982	1983	1984	1985	1986	1987
1 person (unrelated individual)	\$1,054	\$2,724	\$4,190	\$4,620	\$4,901	\$5,081	\$5,276	\$5,469	\$5,572	\$5,778
Under 65 years	2,010	2,797	4,290	4,729	5,019	5,180	5,400	5,593	5,701	5,909
65 years and over	1,861	2,881	3,949	4,359	4,626	4,775	4,979	5,156	5,255	5,447
2 persons	2,526	3,506	5,363	5,917	6,281	6,483	6,752	6,996	7,138	7,397
Householder under 65 years	2,804	3,617	5,537	6,111	6,487	6,697	6,983	7,231	7,372	7,641
Householder 65 years and over	2,348	3,257	4,983	5,498	5,836	6,023	6,282	6,509	6,630	6,872
3 persons	3,099	4,293	6,565	7,250	7,693	7,938	8,277	8,573	8,737	9,056
4 persons	3,968	5,500	8,414	9,267	9,852	10,178	10,609	10,989	11,203	11,611
5 persons	4,680	6,496	9,986	11,007	11,684	12,049	12,566	13,007	13,269	13,737
6 persons	5,260	7,316	11,269	12,449	13,207	13,630	14,207	14,696	14,988	15,509
7 or more persons	6,468	9,022	13,955	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
7 persons	(NA)	(NA)	(NA)	14,110	15,036	15,500	16,098	16,656	17,049	17,649
8 persons	(NA)	(NA)	(NA)	15,656	16,719	17,170	17,961	18,512	18,791	19,515
9 or more persons	(NA)	(NA)	(NA)	18,572	19,698	20,310	21,247	22,083	22,497	23,105

NA Not available. ¹ Poverty levels for nonfarm families.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 161

The poverty statistics generated by the Congressional Budget Office in table 741 reflect alternative adjustments for inflation. The study used a variation of the Consumer Price Index to adjust poverty thresholds for the effects of changing prices since 1987. The alternative measure of inflation uses estimates of the cost of renting equivalent housing to assess homeownership costs; this methodology has been used in the official Consumer Price Index since 1983. See text, section 15, and source for more details.

ADJUSTED POVERTY THRESHOLDS, WEIGHTED AVERAGE BY FAMILY SIZE: 1970 TO 1986

(Adjustments for inflation using the CPI-X1 have been made)

SIZE OF UNIT	1970	1975	1980	1981	1982	1983	1984	1985	1986
1 person (unrelated individual)	1,908	2,612	3,843	4,204	4,456	4,604	4,801	4,974	5,096
Under 65 years	1,993	2,682	3,906	4,304	4,566	4,713	4,912	5,086	5,196
65 years and over	1,818	2,475	3,623	3,967	4,208	4,345	4,529	4,680	4,798
2 persons	2,496	3,362	4,880	5,365	5,714	5,999	6,151	6,366	6,493
Householder under 65 years	2,544	3,469	5,079	5,561	5,901	6,093	6,352	6,576	6,706
Householder 65 years and over	2,293	3,124	4,571	5,004	5,309	5,490	5,715	5,916	6,031
3 persons	3,027	4,117	6,022	6,598	6,996	7,222	7,529	7,799	7,948
4 persons	3,876	5,275	7,719	8,452	8,972	9,260	9,651	9,997	10,191
5 persons	4,571	6,233	9,142	10,017	10,629	10,983	11,431	11,832	12,081
6 persons	5,138	7,016	10,398	11,329	12,015	12,401	12,924	13,366	13,633
7 or more persons	6,316	8,653	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
7 persons	(NA)	(NA)	11,706	12,841	13,679	14,103	14,642	15,152	15,509
8 persons	(NA)	(NA)	13,025	14,247	15,210	15,622	16,339	16,840	17,084
9 or more persons	(NA)	(NA)	15,499	16,902	17,920	18,479	19,328	20,099	20,465

NA Not available.

Source: Congressional Budget Office, *Trends in Family Income: 1970-1986*, February 1988.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability pertaining to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

NO. 686. GNP IN CURRENT AND CONSTANT (1962) DOLLARS: 1929 TO 1967

(In billions of dollars)

ITEM	1929	1935	1940	1945	1950	1955	1960	1965	1970
CURRENT DOLLARS									
Gross national product (GNP)	103.9	72.9	100.4	213.4	300.3	406.9	516.3	706.1	1,015.5
Personal consumption expenditures	77.9	55.5	71.9	119.8	162.1	207.9	308.7	440.7	646.6
Durable goods	9.2	5.1	7.8	8.0	30.8	38.9	43.5	63.5	85.7
Nondurable goods	37.7	29.3	37.0	71.9	68.2	124.7	153.2	191.9	270.3
Services	30.4	21.3	26.2	39.7	63.2	94.3	134.0	185.4	294.0
Gross private domestic investment	16.7	6.5	13.4	11.3	55.1	69.7	78.3	116.2	146.8
Fixed investment	14.9	5.5	11.2	12.3	48.3	64.0	75.1	106.2	145.7
Nonresidential	11.0	4.3	7.7	10.5	27.8	39.0	48.6	73.1	105.2
Residential	4.0	1.3	3.5	1.7	20.5	25.0	26.5	33.1	40.5
Change in business inventories	1.7	1.1	2.2	-1.0	6.9	5.7	3.1	9.9	3.1
Net exports of goods and services	1.1	.1	1.8	-.5	2.2	2.9	5.9	9.7	6.5
Exports	7.1	3.3	5.4	7.4	14.5	21.1	28.9	42.9	68.9
Imports	5.9	3.2	3.7	7.9	12.3	18.1	24.0	33.2	60.5
Government purchases ¹	8.9	10.2	14.2	63.8	38.8	79.3	106.6	136.6	216.2
Federal	1.5	3.1	6.1	74.8	19.1	44.9	54.4	68.7	98.8
National defense	(NA)	(NA)	2.3	73.7	14.3	39.0	45.3	51.0	76.9
State and local	7.4	7.2	8.1	8.2	19.6	30.3	46.1	69.8	119.4
CONSTANT (1962) DOLLARS									
Gross national product (GNP)	708.6	500.2	772.6	1,354.8	1,303.7	1,494.9	1,866.3	2,087.5	2,416.2
Personal consumption expenditures	471.4	412.1	502.8	902.7	733.2	873.8	1,096.1	1,236.4	1,402.6
Durable goods	40.3	28.9	40.6	26.7	80.7	96.9	98.0	134.6	162.5
Nondurable goods	211.4	201.5	259.4	323.5	352.8	413.2	463.3	543.2	611.1
Services	219.7	181.7	202.7	240.5	299.8	363.6	443.9	558.5	697.0
Gross private domestic investment	130.2	60.9	111.8	78.6	234.9	266.8	266.6	367.9	391.6
Fixed investment	126.4	54.7	97.4	64.8	210.8	243.5	252.7	341.8	373.3
Nonresidential	83.0	40.0	65.0	74.2	124.0	151.0	159.4	227.6	264.0
Residential	35.4	14.7	32.9	10.7	86.7	92.4	93.3	114.2	109.3
Change in business inventories	10.8	6.2	14.4	-8.4	24.2	18.3	7.7	26.2	6.2
Net exports of goods and services	4.7	-6.9	8.3	-18.8	4.7	-	-4.6	-2.7	-30.6
Exports	42.1	26.6	40.0	35.2	59.2	78.8	98.4	132.0	178.3
Imports	37.4	32.6	31.7	54.1	54.6	78.9	102.4	134.7	208.3
Government purchases ¹	94.2	113.9	180.2	784.6	238.8	381.3	409.7	487.8	572.8
Federal	18.3	34.1	63.6	834.0	116.7	217.9	220.8	244.4	306.3
National defense	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
State and local	75.9	79.0	86.6	70.5	114.2	163.4	183.1	242.5	304.3

ITEM	1975	1980	1981	1982	1983	1984	1985	1986	1987
CURRENT DOLLARS									
Gross national product (GNP)	1,898.4	2,732.6	3,062.6	3,196.8	3,406.7	3,772.2	4,014.9	4,248.3	4,536.7
Personal consumption expenditures	1,012.8	1,732.6	1,916.1	2,060.7	2,284.5	2,438.6	2,629.9	2,807.5	2,912.1
Durable goods	135.4	218.3	239.9	252.7	290.1	335.5	372.2	406.5	421.9
Nondurable goods	416.2	661.4	740.8	771.0	816.7	867.3	911.2	943.6	997.9
Services	461.2	851.9	934.7	1,027.0	1,126.7	1,227.8	1,345.6	1,457.3	1,582.3
Gross private domestic investment	219.8	437.9	516.5	447.3	502.3	564.8	643.1	685.9	712.9
Fixed investment	225.2	445.3	491.5	471.8	500.4	597.1	631.8	660.4	673.7
Nonresidential	162.9	282.8	309.2	308.7	356.9	416.0	442.9	433.9	446.8
Residential	62.3	122.5	122.3	105.1	152.5	181.1	188.9	216.6	226.9
Change in business inventories	-5.8	-8.3	24.0	-24.5	-7.1	67.7	11.2	15.5	39.2
Net exports of goods and services	31.1	25.1	33.9	38.3	-6.1	-88.9	-78.6	-104.4	-123.0
Exports	161.3	351.0	382.8	361.9	352.5	383.5	370.9	378.4	428.0
Imports	130.3	316.8	348.9	323.6	358.7	442.4	448.9	482.8	551.1
Government purchases ¹	335.9	539.3	606.1	641.7	679.8	736.9	820.8	871.2	924.7
Federal	129.2	208.1	242.2	272.7	283.5	310.6	355.2	396.2	382.0
National defense	89.6	142.7	167.5	193.8	214.4	234.3	259.1	277.5	295.3
State and local	206.6	322.2	345.9	369.0	391.5	425.3	466.6	506.0	542.8
CONSTANT (1962) DOLLARS									
Gross national product (GNP)	2,066.9	3,187.1	3,246.8	3,196.8	3,276.1	3,801.4	3,618.7	3,721.7	3,847.0
Personal consumption expenditures	1,711.9	2,090.4	2,024.2	2,060.7	2,146.8	2,248.3	2,364.8	2,486.2	2,521.9
Durable goods	205.6	245.9	260.8	252.7	283.1	323.1	355.1	385.0	390.9
Nondurable goods	676.5	762.6	784.4	771.0	800.2	825.9	847.4	879.5	890.5
Services	829.8	991.9	1,009.0	1,027.0	1,062.7	1,100.3	1,152.3	1,190.7	1,239.5
Gross private domestic investment	302.3	509.3	546.6	447.3	504.8	588.4	637.0	643.5	674.8
Fixed investment	306.1	516.2	521.7	471.8	510.4	586.1	627.9	629.1	640.4
Nonresidential	201.2	379.2	395.2	396.7	391.2	425.2	453.5	433.1	445.1
Residential	114.9	137.0	126.5	105.1	149.3	170.9	174.4	195.0	195.2
Change in business inventories	-12.6	-6.9	23.9	-24.5	-6.4	62.3	8.1	15.4	34.4
Net exports of goods and services	18.9	67.8	48.4	38.3	-19.8	-84.8	-104.3	-137.5	-128.9
Exports	259.7	396.9	392.7	361.9	348.1	371.8	367.2	378.4	427.6
Imports	240.8	322.0	343.4	323.6	368.1	456.6	471.4	515.9	556.7
Government purchases ¹	690.9	890.5	928.7	841.7	849.0	877.7	791.2	768.5	780.2
Federal	228.3	246.9	259.6	272.7	275.1	290.8	326.0	333.4	339.0
National defense	161.1	171.2	180.3	193.8	206.9	218.5	237.2	261.4	264.9
State and local	354.8	373.6	370.1	368.0	373.9	387.0	405.2	427.1	441.2

Represents zero. NA, Not available. ¹ Purchases of goods and services.Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-1982*, and *Survey of Current Business*, July issues.

**NO. 686. GROSS NATIONAL PRODUCT, BY INDUSTRY, IN CURRENT AND CONSTANT (1982) DOLLARS:
1980 TO 1987**

[In billions of dollars, except percent. Data include non-factor charges (capital consumption allowances and indirect business taxes, etc.) as well as factor charges against gross product; corporate profits and capital consumption allowances have been shifted from a company to an establishment basis]

INDUSTRY	CURRENT DOLLARS			CONSTANT (1982) DOLLARS				Average annual percent change		
	1980	1986	1987	1980	1986	1988	1987	1980-1986		
								1980-1986	1986-1988	1980-1987
Gross national product	2,732.0	4,500.3	4,528.7	3,167.1	3,818.7	3,721.7	3,847.9	2.8	2.0	3.4
Domestic industries (gross domestic product) ..	2,864.4	4,505.4	4,487.2	3,131.7	3,801.9	3,680.8	3,821.4	2.7	3.0	3.5
Private industries	2,367.3	3,718.8	3,670.8	2,738.5	3,182.1	3,281.8	3,408.5	3.0	3.1	3.9
Agriculture, forestry, and fisheries ..	77.2	82.6	84.9	78.2	83.8	87.2	88.1	4.2	3.6	-1.1
Farms	55.5	75.4	75.8	64.2	79.4	83.7	82.5	4.3	5.4	-1.4
Mining	107.3	82.1	85.4	135.6	130.1	115.7	117.5	-8	-11.1	1.6
Construction	137.7	204.0	218.5	161.8	165.4	173.1	175.8	.5	4.7	1.6
Manufacturing ¹	581.0	820.1	853.6	685.4	786.8	804.8	838.5	3.4	2.3	4.2
Durable goods ¹	351.8	488.1	480.0	401.5	493.7	505.0	525.2	4.2	2.3	4.0
Lumber and wood products	18.7	24.7	27.7	20.4	20.1	21.8	23.5	-3	7.0	8.3
Furniture and fixtures	8.6	14.0	15.0	10.2	12.2	11.9	12.6	3.6	-2.5	5.0
Stone, clay, and glass products	19.0	25.9	27.8	21.1	22.6	22.2	23.1	1.4	-1.8	4.1
Primary metal industries	44.3	33.7	36.4	46.4	34.2	34.3	34.3	-5.9	.3	-
Fabricated metal products	48.0	59.1	60.9	52.5	56.8	56.7	58.5	1.6	-2	3.2
Machinery, except electrical	78.9	80.7	81.2	84.8	134.5	147.0	160.7	9.7	9.3	8.3
Electric and electronic equipment ..	55.0	83.8	85.0	62.7	78.7	80.3	82.5	4.8	.8	2.7
Motor vehicles and equipment	23.7	51.4	48.8	33.7	80.9	44.9	40.3	8.8	-11.8	-10.2
Other transportation equipment	28.2	53.0	58.0	38.1	43.8	47.4	50.2	2.6	8.2	5.9
Instruments and related products ..	19.0	26.7	27.0	21.8	24.7	25.2	25.3	2.5	2.0	.4
Nondurable goods ¹	229.2	354.1	373.6	283.9	293.0	299.7	314.3	2.1	2.3	4.9
Food and kindred products	52.2	71.8	74.0	58.7	63.1	61.6	63.7	2.2	-2.4	3.4
Tobacco manufactures	7.3	13.8	15.5	9.5	8.8	6.9	7.2	-8.2	-	4.3
Textile mill products	15.0	19.2	20.0	18.1	18.3	17.5	17.8	.2	7.4	1.7
Apparel and other textile products ..	17.1	21.0	22.5	20.1	19.8	19.8	21.4	-.2	-.5	8.1
Paper and allied products	23.1	35.2	39.5	24.8	30.2	31.3	33.0	4.2	3.6	5.4
Printing and publishing	31.6	55.1	55.2	36.9	43.0	42.3	42.6	3.1	-1.6	7
Chemicals and allied products	45.5	70.1	77.1	50.1	59.1	58.1	58.8	3.4	8.5	7.3
Petroleum and coal products	16.8	37.0	33.8	26.7	24.9	25.3	26.6	-1.4	5.6	1.1
Rubber and misc. plastic products ..	16.8	28.1	38.0	18.9	28.2	28.8	29.8	6.8	2.3	11.2
Leather and leather products	3.9	3.0	3.3	4.3	3.4	3.0	3.3	-4.6	-11.8	10.0
Transportation and public utilities ..	240.8	383.5	408.2	283.4	328.0	231.6	349.5	2.1	1.7	5.4
Transportation	105.8	144.5	160.8	129.5	125.4	129.0	138.0	-.8	2.8	5.4
Railroad transportation	20.8	30.8	18.8	27.2	19.3	18.2	16.9	-6.6	-5.7	-7.1
Local and interurban passenger transit ..	5.4	8.0	8.1	7.0	6.3	6.4	6.8	-2.1	1.8	3.1
Trucking and warehousing	44.0	61.1	64.2	51.5	52.8	54.4	60.2	.4	3.4	10.7
Water transportation	7.1	7.7	7.8	8.3	7.8	8.0	7.9	-1.2	2.8	-1.2
Transportation by air	18.1	29.7	34.2	23.1	24.4	26.8	28.4	1.1	9.0	8.8
Pipelines, except natural gas	4.7	5.9	5.3	6.1	4.9	5.0	5.1	-.8	2.0	2.0
Transportation services	5.8	11.3	12.0	7.2	10.0	10.3	10.9	6.8	3.0	5.8
Communications	86.8	116.8	121.0	78.4	85.2	98.2	107.8	4.0	4.2	6.5
Telephone and telegraph	60.2	103.2	108.3	71.1	85.8	88.3	97.8	3.8	4.1	9.3
Radio and television broadcasting ..	6.3	12.4	12.7	7.3	8.4	8.9	10.1	5.2	5.3	2.0
Electric, gas, and sanitary services ..	68.4	133.3	136.4	85.5	105.3	103.4	105.9	4.3	-1.8	2.4
Wholesale trade	193.9	294.8	313.0	213.5	288.5	282.7	291.7	4.7	5.3	3.2
Retail trade	245.0	403.8	427.4	288.8	341.8	380.2	388.3	3.6	5.4	2.2
Finance, insurance, and real-estate ..	400.6	708.6	775.4	484.3	524.3	537.8	559.4	2.5	2.5	4.1
Banking	51.1	80.8	84.8	58.7	81.8	82.9	83.2	1.8	1.6	.5
Credit agencies other than banks	5.5	16.4	17.0	5.2	7.0	7.8	8.3	6.1	11.4	6.4
Security and commodity brokers, and services ..	9.7	31.8	36.7	10.7	18.8	18.8	21.3	9.6	10.1	14.5
Insurance carriers	37.0	81.1	78.7	28.8	33.5	36.8	37.0	3.2	6.8	3.4
Insurance agents and brokers, and services ..	14.4	25.5	28.7	17.3	20.0	21.9	23.9	2.9	9.5	9.1
Real estate	281.5	479.4	519.3	339.6	378.0	380.8	384.8	2.1	1.3	3.7
Holding and other investment companies	1.3	14.0	15.2	6.3	9.0	9.8	10.9	7.4	8.9	11.2
Services ¹	374.0	716.3	793.5	442.8	548.4	578.9	610.8	4.3	5.9	5.5
Hotels and other lodging places	18.9	32.7	35.8	22.8	23.5	23.4	24.3	.6	-.4	3.8
Personal services	19.8	32.2	34.4	22.2	25.4	26.4	27.1	2.7	3.9	2.7
Business services	88.8	181.6	179.3	84.0	120.8	129.8	139.7	7.5	7.5	7.6
Auto repair services, and garages	21.1	38.1	38.8	24.4	30.1	31.7	32.9	8.3	5.3	3.8
Motion pictures	5.0	9.5	10.7	5.7	7.5	7.7	7.8	9.6	2.7	-1.3
Amusement and recreation services ..	12.4	21.8	24.0	13.7	17.9	18.9	20.3	5.5	5.6	7.4
Health services	199.1	223.7	229.4	129.4	158.9	186.7	176.9	4.2	4.3	6.8
Legal services	23.3	53.7	62.3	26.8	35.0	36.3	37.9	3.9	3.7	4.4
Educational services	16.0	27.2	29.8	18.1	21.5	21.6	22.4	3.5	.5	3.7
Social services and membership organizations ..	28.3	41.7	45.3	30.2	33.3	34.7	36.9	2.0	4.2	3.5
Miscellaneous professional services ..	38.8	78.3	86.4	47.1	53.8	63.8	68.8	2.6	19.0	4.5
Private households	8.6	9.1	9.2	7.4	8.8	8.8	8.8	3.5	-	-
Government and government enterprises ..	322.1	589.4	638.3	383.7	408.8	407.8	415.7	.9	1.8	1.9
Federal	114.7	173.8	181.3	138.3	148.5	147.1	148.8	1.7	.4	1.2
State and local	207.4	325.6	354.0	244.4	254.4	260.8	266.9	.8	2.5	2.3
Statistical discrepancy	4.9	-13.6	-8.1	5.9	-4.3	-12.1	-7.0	(na)	(na)	(na)
Rest of the world	47.8	34.9	29.5	56.5	38.9	30.9	28.8	-7.8	-18.3	-17.2

Represents zero NS Not significant. ¹ Includes items not shown separately.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82, and Survey of Current Business*, July issue.

No. 687. GNP COMPONENTS—AVERAGE ANNUAL PERCENT CHANGE IN CURRENT AND CONSTANT (1982) DOLLARS: 1960 TO 1987

[In percent. GNP=Gross national product. Minus sign (—) indicates decreases. For implicit price deflators and fixed-weighted price indexes, see tables 751 and 752]

ITEM	1960-1970	1970-1979	1979-1980	1980-1981	1981-1982	1982-1983	1983-1984	1984-1989	1985-1989	1985-1987
CURRENT DOLLARS										
Gross national product.....	7.9	9.5	11.3	11.7	3.7	7.9	10.8	6.4	6.6	6.8
Personal consumption expenditures.....	6.8	9.5	11.3	10.8	7.1	9.5	9.5	8.2	6.8	7.3
Durable goods.....	7.0	9.6	10.1	9.4	5.3	14.4	16.0	10.9	9.2	3.8
Nondurable goods.....	5.8	9.0	10.4	8.7	4.1	5.9	6.2	5.1	3.6	5.8
Services.....	7.6	10.2	12.5	12.4	9.9	9.9	6.8	9.6	6.3	9.3
Gross private domestic investment.....	6.6	8.1	14.8	18.0	-13.2	12.2	32.4	-3.3	3.5	7.1
Fixed investment.....	6.9	9.1	14.6	10.4	-4.0	8.0	17.2	5.8	2.9	3.6
Nonresidential.....	8.0	9.1	14.7	14.4	-.7	-2.7	16.6	6.5	-2.0	3.0
Residential.....	4.4	9.0	14.5	-.2	-14.1	46.1	16.8	4.3	14.7	4.8
Exports of goods and services.....	8.7	10.8	18.0	8.1	-5.9	-2.6	8.0	-3.3	3.9	13.1
Imports of goods and services.....	9.7	10.8	19.6	6.4	-2.6	5.9	23.9	1.5	7.6	14.1
Government purchases of goods and services.....	8.1	9.5	9.5	18.9	8.1	8.2	9.6	11.5	8.1	8.1
Federal.....	8.1	5.5	10.0	16.4	12.6	4.0	9.5	14.4	3.1	4.3
State and local.....	10.0	11.5	9.4	7.4	6.7	6.1	6.6	9.5	8.5	7.5
CONSTANT (1982) DOLLARS										
Gross national product.....	2.9	2.2	3.4	1.9	-2.6	3.9	9.5	3.4	2.8	3.4
Personal consumption expenditures.....	4.9	2.8	3.2	1.2	1.3	4.9	4.9	4.7	4.9	2.7
Durable goods.....	5.2	4.8	3.6	2.0	.8	12.0	14.1	9.9	8.4	1.5
Nondurable goods.....	3.2	1.4	2.4	.2	.9	3.8	3.2	2.6	3.8	1.3
Services.....	4.6	3.5	3.8	1.7	1.8	3.5	3.5	4.7	3.3	4.1
Gross private domestic investment.....	3.9	.1	5.8	7.1	-18.0	12.7	38.8	-3.3	1.9	4.8
Fixed investment.....	4.0	1.2	5.4	1.1	-9.6	8.2	16.8	5.3	-	2.0
Nonresidential.....	5.2	1.3	6.2	4.2	-7.2	-1.5	17.7	6.7	-4.5	2.8
Residential.....	1.6	1.0	3.6	-7.7	-16.9	42.1	14.5	2.0	11.8	.1
Exports of goods and services.....	8.1	7.9	6.4	1.9	-7.9	-2.6	6.8	-1.2	3.1	13.1
Imports of goods and services.....	7.4	2.9	6.8	3.4	-3.3	8.7	38.8	3.4	6.4	7.9
Government purchases of goods and services.....	3.5	.3	1.3	1.5	1.9	1.1	4.4	7.9	4.8	2.8
Federal.....	2.0	-3.3	1.8	5.1	5.0	.9	5.7	12.1	2.3	1.7
State and local.....	5.2	3.1	1.0	-.9	-.3	1.3	3.5	4.7	5.4	3.3

- Represents zero.
Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July issues.

No. 685. GROSS NATIONAL PRODUCT—SUMMARY: 1970 TO 1987
[In billions of dollars]

ITEM	1970	1975	1980	1981	1982	1983	1984	1989	1990	1997
Gross national product.....	1,915.9	1,998.4	2,732.9	3,082.6	3,163.8	3,496.7	3,772.2	4,014.8	4,348.3	4,526.7
BY MAJOR TYPE OF PRODUCT										
Goods.....	467.8	714.7	1,174.9	1,322.9	1,319.1	1,396.1	1,581.4	1,841.2	1,997.9	1,792.5
Services.....	441.1	725.2	1,205.0	1,415.4	1,547.5	1,882.5	1,813.9	1,988.3	2,118.4	2,295.7
Structures.....	106.5	158.5	292.0	314.4	299.4	327.1	377.0	405.4	424.0	438.4
BY SECTOR										
Business.....	856.3	1,341.2	2,308.8	2,582.8	2,656.2	2,888.6	3,201.5	3,412.8	3,808.9	3,855.5
Households and institutions.....	32.4	52.0	98.3	101.0	112.7	122.9	132.7	142.3	153.1	168.9
Government.....	119.5	187.7	288.3	316.7	343.9	358.4	380.6	419.0	443.4	472.7
Rest of the world.....	7.9	17.5	47.6	52.1	51.2	49.9	47.4	40.7	34.9	29.5

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July issues.

NO. 689. RELATION OF GNP, NET NATIONAL PRODUCT, NATIONAL INCOME, PERSONAL INCOME, DISPOSABLE PERSONAL INCOME AND PERSONAL SAVING: 1970 TO 1987

[In billions of dollars. For definitions, see text, section 14]

ITEM	1970	1975	1980	1982	1989	1984	1990	1990	1997
Gross national product.....	1,015.5	1,898.4	2,732.0	3,168.0	3,495.7	3,772.2	4,014.8	4,240.3	4,538.7
Less: Capital consumption allowances ¹	88.8	161.6	303.8	363.2	396.6	415.5	437.2	455.9	480.0
Equals: Net national product ²	926.6	1,436.8	2,428.1	2,782.8	3,099.1	3,356.8	3,577.6	3,784.4	4,048.7
Less: Indirect business tax and nontax liability.....	94.0	140.0	213.3	258.6	282.8	313.9	333.6	348.4	366.3
Plus: Subsidies ³	2.9	2.4	5.7	8.7	14.1	9.9	7.2	12.6	18.3
Equals: National income ²	832.6	1,299.1	2,209.5	2,516.4	2,719.5	2,829.0	3,234.0	3,437.1	3,678.7
Less: Corporate profits ⁴	74.7	117.6	177.2	150.0	213.7	266.9	282.3	298.9	310.4
Net interest.....	41.2	63.8	200.9	272.3	281.0	304.8	319.0	331.9	353.6
Contributions for social insurance.....	62.2	116.5	216.5	266.6	291.0	324.9	354.1	376.1	399.1
Plus: Government transfer payments to persons.....	81.8	165.7	312.6	396.2	426.6	437.9	467.8	493.0	520.6
Personal interest income.....	89.3	122.5	271.9	369.7	363.1	444.7	478.0	496.1	527.0
Personal dividend income.....	22.2	26.7	52.9	63.9	66.7	75.5	76.7	82.8	88.6
Business transfer payments.....	4.1	7.4	12.1	14.3	16.0	18.7	22.0	25.1	26.1
Equals: Personal income.....	831.5	1,313.4	2,209.5	2,670.8	2,829.0	3,106.7	3,235.3	3,501.1	3,798.6
Less: Personal tax and nontax payments.....	116.2	170.6	340.5	409.3	410.5	440.2	466.6	511.4	570.3
Equals: Disposable personal income.....	715.5	1,142.8	1,919.8	2,261.4	2,428.1	2,662.6	2,668.7	2,916.6	3,008.7
Less: Personal outlays.....	657.9	1,036.2	1,791.1	2,107.5	2,297.4	2,504.5	2,713.3	2,598.0	3,105.5
Equals: Personal saving.....	87.7	104.6	138.8	153.9	138.8	164.1	125.4	121.7	194.2

¹ With capital consumption adjustment. ² Includes items not shown separately. ³ Less current surplus of government enterprises. ⁴ With inventory valuation and capital consumption adjustments.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July issues.

NO. 690. SELECTED PER CAPITA INCOME AND PRODUCT ITEMS: 1929 TO 1987

[Based on Bureau of the Census estimated total population including Armed Forces abroad; based on quarterly averages. Prior to 1980, excludes Alaska and Hawaii]

YEAR	CURRENT DOLLARS				CONSTANT (1982) DOLLARS		
	Gross national product	Personal income	Disposable personal income	Personal consumption expenditures	Gross national product	Disposable personal income	Personal consumption expenditures
1929.....	853	692	671	634	5,822	4,091	3,968
1930.....	740	613	593	566	5,218	3,727	3,569
1940.....	780	567	569	538	5,850	4,017	3,804
1945.....	1,525	1,215	1,068	855	9,682	5,265	4,236
1950.....	1,900	1,504	1,338	1,287	7,936	5,220	4,834
1955.....	2,458	1,901	1,667	1,560	9,045	5,714	5,267
1960.....	2,851	2,265	1,908	1,829	9,213	6,036	5,561
1965.....	3,626	2,840	2,505	2,265	10,741	7,027	6,362
1970.....	4,951	4,068	3,489	3,121	11,781	8,134	7,275
1971.....	5,309	4,305	3,740	3,330	11,964	8,322	7,409
1972.....	5,777	4,676	4,000	3,609	12,426	8,562	7,726
1973.....	6,414	5,198	4,481	3,950	12,948	9,042	7,972
1974.....	6,566	5,657	4,855	4,265	12,780	8,867	7,826
1975.....	7,401	6,061	5,291	4,669	12,478	8,944	7,926
1976.....	8,175	6,655	5,744	5,178	12,961	9,175	8,272
1977.....	9,036	7,297	6,262	5,707	13,431	9,381	8,551
1978.....	10,106	8,141	6,966	6,304	13,963	9,736	8,808
1979.....	11,142	9,036	7,662	6,990	14,182	9,629	8,904
1980.....	11,995	9,916	8,421	7,807	13,994	9,722	8,783
1981.....	13,262	10,952	9,243	8,320	14,114	9,769	8,794
1982.....	13,614	11,485	9,724	8,818	13,614	9,725	8,818
1983.....	14,503	12,068	10,340	9,516	13,964	9,930	9,139
1984.....	15,913	13,114	11,257	10,253	14,771	10,419	9,469
1985.....	16,778	13,895	11,861	10,965	15,121	10,625	9,640
1986.....	17,547	14,612	12,496	11,618	15,401	10,929	10,160
1987.....	18,556	15,495	13,157	12,347	15,770	11,012	10,334

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July issues.

National Income

NO. 601. NATIONAL INCOME, BY TYPE OF INCOME: 1970 TO 1987

[In billions of dollars]

TYPE OF INCOME	1970	1970	1980	1980	1980	1984	1989	1989
National income	832.8	1,299.1	2,203.5	2,518.4	2,719.8	2,829.9	3,234.0	3,437.1
Compensation of employees	616.3	948.7	1,636.2	1,907.0	2,020.7	2,213.9	2,367.5	2,507.1
Wages and salaries	551.5	814.7	1,372.0	1,566.1	1,676.2	1,836.8	1,975.2	2,004.0
Government and government enter- price	117.1	176.1	260.1	306.9	323.9	346.3	371.8	393.7
Other	434.3	636.6	1,111.8	1,280.2	1,352.9	1,492.5	1,603.4	1,700.3
Supplements to wages and salaries	66.8	134.0	266.3	320.9	344.5	375.1	392.4	413.1
Employer contributions for social insurance	34.3	66.0	127.9	157.3	170.9	192.2	204.8	217.0
Other labor income	32.5	65.9	136.4	163.8	173.6	162.9	167.6	196.1
Proprietors' income ¹	80.2	125.4	180.7	175.5	190.9	234.5	255.9	286.7
Farm	14.7	25.4	20.5	24.6	12.4	30.5	30.2	36.4
Nonfarm	66.4	100.0	160.1	150.9	178.4	204.0	225.6	250.3
Proprietors' income	96.0	102.2	184.3	148.5	167.3	182.4	194.6	212.7
Rental income of persons ²	18.2	13.5	6.6	13.8	13.2	8.5	9.2	12.4
Corporate profits ¹	74.7	117.8	177.2	150.0	213.7	266.9	282.3	296.8
Corporate profits ³	98.5	123.9	194.0	159.2	196.7	234.2	222.6	244.7
Profits before tax	76.0	134.8	237.1	189.6	207.6	240.0	224.3	236.4
Profits tax liability	34.4	50.9	84.8	63.1	77.2	93.9	96.4	106.6
Profits after tax	41.7	83.9	152.3	166.5	130.4	146.1	127.8	129.8
Dividends	22.5	29.6	54.7	68.9	71.5	79.0	83.3	96.2
Undistributed profits	19.2	54.3	97.6	39.8	58.9	67.0	44.6	41.6
Inventory valuation adjustment	-6.9	-11.0	-43.1	-10.4	-10.9	-5.8	-1.7	8.3
Capital consumption adjustment	5.2	-6.2	-16.8	-9.2	17.0	32.7	59.7	54.2
Net interest	41.2	83.8	200.9	272.3	281.0	304.8	319.0	331.9
Addenda:								
Corporate profits after tax ¹	40.3	66.7	92.4	66.9	136.5	173.0	185.9	192.3
Net cash flow ¹	89.8	133.5	219.1	255.0	307.7	348.5	371.2	386.5
Undistributed profits ¹	17.9	37.1	37.7	20.0	65.0	94.0	102.6	104.1
Capital consumption allowances ²	52.0	96.4	181.4	235.0	242.7	254.5	266.6	282.4
Less: Inventory valuation adjustment	-8.6	-11.0	-43.1	-10.4	-10.9	-5.8	-1.7	6.3
Equals: Net cash flow	76.4	144.5	262.2	265.4	316.6	354.3	372.9	378.2

¹ With inventory valuation and capital consumption adjustments. ² With capital consumption adjustment. ³ With valuation adjustment.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1987 Survey of Current Business*, July issues.

NO. 602. NATIONAL INCOME, BY SECTOR: 1970 TO 1987

[In billions of dollars]

SECTOR	1970	1975	1980	1982	1989	1984	1985	1989
National income	832.8	1,299.1	2,203.5	2,518.4	2,719.8	2,829.9	3,234.0	3,437.1
Domestic business	673.4	1,031.8	1,778.4	2,010.6	2,180.4	2,457.9	2,631.9	2,806.7
Corporate business	479.8	740.6	1,312.6	1,478.0	1,899.4	1,895.9	1,920.9	2,030.2
Compensation of employees	401.0	617.0	1,117.2	1,287.8	1,380.6	1,502.1	1,602.6	1,693.7
Corporate profits ¹	67.8	103.2	142.8	121.9	183.6	236.0	251.2	266.9
Net interest	11.0	20.4	52.5	66.2	66.2	67.8	67.1	69.5
Sole proprietorships and partnerships	135.0	206.8	318.0	340.6	361.2	421.7	459.2	506.8
Compensation of employees	48.2	65.8	102.2	114.0	118.5	131.6	141.8	151.3
Proprietors' income ¹	79.8	124.5	179.4	174.0	189.3	232.6	254.1	266.2
Net interest	8.0	15.5	36.5	52.7	53.4	57.6	83.3	70.3
Other private business ²	45.7	83.9	114.2	152.4	167.2	184.3	201.9	216.4
Compensation of employees	3.2	4.7	7.8	9.0	9.6	10.9	12.0	13.1
Proprietors' income ¹ .....	.4	.9	1.3	1.8	1.6	1.9	1.7	1.5
Rental income of persons ³	18.2	13.5	6.6	13.6	13.2	8.5	9.2	12.4
Net interest	23.9	44.8	66.5	126.2	142.7	162.9	179.0	196.3
Government enterprises ⁴	13.0	21.5	33.5	39.6	42.8	46.1	49.9	52.3
Households and institutions ⁵	32.4	52.0	80.3	112.7	122.9	132.7	142.3	153.1
Government ⁴	119.5	187.7	288.3	343.9	366.4	380.6	419.0	443.4
Rest of the world	7.3	17.5	47.6	51.2	49.9	47.4	40.7	34.8

¹ With inventory valuation and capital consumption adjustments. ² Consist of all business activities reported on the income tax return in Schedule E—Supplemental Income Schedule; tax-exempt cooperatives; and owner-occupied nonfarm buildings and equipment owned and used by nonprofit institutions servicing individuals, which are considered to be activities selling their current services to their owners. ³ With capital consumption adjustment. ⁴ Compensation of employees in private households; nonprofit social and athletic clubs; labor organizations; nonprofit hospitals; religious, charitable, and welfare organizations; and all other nonprofit organizations serving individuals.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1987 Survey of Current Business*, July issues.

NO. 692. PERSONAL CONSUMPTION EXPENDITURES, BY TYPE OF EXPENDITURE IN CURRENT DOLLARS: 1960 TO 1967

(In billions of dollars. Minus sign (-) indicates decrease)

TYPE OF EXPENDITURE	1960	1964	1965	1966	1967	ANNUAL PERCENT CHANGE			
						1960-1964	1964-1965	1965-1966	1966-1967
Personal consumption expenditures ¹	1,732.6	2,439.6	2,695.6	2,867.5	3,012.1	8.8	6.2	6.5	7.3
Food and tobacco ^{1, 2}	388.3	478.0	503.8	534.7	562.1	6.7	5.2	6.1	5.1
Food purchased for off-premise consumption	242.3	305.8	322.7	338.8	352.0	6.0	5.5	5.3	3.8
Purchased meals and beverages ²	100.2	134.1	138.9	151.9	164.5	7.6	4.3	8.8	8.3
Tobacco products	20.8	38.5	32.2	33.8	35.7	10.0	5.6	4.3	6.3
Clothing, accessories, and jewelry ³	135.0	161.8	183.3	207.5	221.5	7.7	6.3	7.3	6.7
Shoes	16.8	21.8	22.9	24.3	26.3	6.3	6.0	6.1	8.2
Clothing and accessories	91.8	125.0	133.4	142.8	151.8	8.0	6.7	6.9	6.5
Jewelry and watches	15.4	18.9	20.5	22.8	24.3	6.6	3.0	11.2	6.6
Personal cars	27.2	38.4	38.8	41.4	44.4	7.6	6.8	6.7	7.2
Housing ⁴	281.5	371.3	402.0	434.3	467.7	9.2	6.5	7.8	7.7
Owner-occupied nonfarm dwellings-space rent	176.3	252.3	272.7	293.7	317.1	8.1	8.1	7.7	8.0
Tenant-occupied nonfarm dwellings-rent	81.8	92.2	103.8	114.3	123.5	10.5	12.8	10.1	8.0
Rental value of farm dwellings	11.0	12.2	10.9	9.8	9.2	2.6	-10.7	-10.1	-6.1
Household operation ⁵	233.1	316.8	334.1	348.1	362.3	8.0	5.4	4.2	4.1
Furniture ⁶	20.9	28.5	28.0	30.5	32.5	6.1	5.7	8.9	6.6
Semidurable house furnishings ⁶	10.0	13.3	14.0	15.3	15.8	7.4	5.3	8.3	3.3
Cleaning and polishing preparations	20.1	25.1	26.4	27.9	29.2	5.7	5.2	5.7	4.7
Household utilities	83.7	117.5	124.2	122.8	125.3	8.8	5.7	-1.3	2.2
Electricity	37.2	55.4	59.3	60.8	63.3	10.5	7.0	2.5	4.1
Gas	19.1	28.4	29.8	28.8	25.5	11.4	7	-10.1	-4.1
Water and other sanitary services	9.3	14.9	18.8	18.0	20.4	12.5	12.8	10.7	9.7
Fuel oil and coal	18.0	17.6	18.5	16.7	16.2	-3	3.9	-8.7	-3.0
Telephone and telegraph	27.8	38.8	40.4	42.9	44.3	9.4	1.5	6.2	3.3
Medical care ⁷	167.7	298.4	327.5	359.3	403.2	12.3	9.8	8.7	12.2
Drug preparations and sundries ⁸	18.8	26.3	28.1	30.2	32.5	8.6	6.8	7.5	7.6
Physicians	42.0	67.1	73.5	80.8	83.9	12.4	9.5	9.7	16.5
Dentists	13.7	18.8	21.5	22.8	25.0	9.6	6.8	6.0	8.8
Privately controlled hospitals ⁹	82.0	130.8	140.2	152.1	167.4	12.3	7.4	6.5	10.1
Health insurance	12.3	18.0	21.6	24.4	27.0	11.5	13.7	13.0	10.7
Medical care ⁷	6.8	15.2	17.7	20.6	21.8	21.8	16.4	16.4	6.3
Personal business ¹⁰	96.7	145.8	169.9	192.7	215.5	10.8	16.5	13.4	11.8
Expense of handling life insurance ¹¹	19.7	30.6	35.8	39.1	41.0	11.6	17.0	9.2	4.9
Legal services	12.8	24.6	28.0	30.9	34.9	15.5	13.8	10.4	12.9
Funeral and burial expenses	4.4	5.6	6.3	6.6	7.1	6.2	12.5	4.8	7.6
Transportation	238.5	329.5	359.5	365.5	379.9	6.4	9.1	1.7	3.7
User-operated transportation ¹²	216.8	301.6	330.1	335.7	346.5	6.8	9.4	1.7	3.2
New autos	46.4	77.6	87.4	101.4	94.1	13.7	12.6	16.0	-7.2
Net purchases of used autos	14.8	30.2	35.1	34.8	35.9	19.3	16.2	-6	2.9
Tires, tubes, accessories, etc.	16.7	23.3	25.2	26.6	28.2	6.7	6.2	5.6	6.0
Repair, greasing, washing, parking, storage	32.3	42.8	49.1	51.8	56.4	7.3	14.7	5.5	8.9
Gasoline and oil	83.7	90.0	90.8	73.3	77.0	1.8	7	-19.1	5.0
Purchased local transportation	5.6	6.9	7.2	7.8	8.0	4.4	4.3	8.3	2.6
Transit systems	2.4	3.4	3.8	3.8	3.6	8.1	5.9	5.8	-
Taxicab	3.1	3.0	3.1	3.3	3.5	-8	3.3	6.5	6.1
Railway (commutation)	3	5	5	6	7	13.6	-	20.0	16.7
Purchased intercity transportation ¹³	15.9	21.0	22.2	22.0	24.5	7.2	5.7	-9	11.4
Bus	1.2	1.2	1.2	1.1	1.1	-	-	-8.3	-
Airline	13.4	17.5	18.5	18.2	20.4	6.9	5.7	-1.6	12.1
Recreation ¹⁴	115.0	165.3	185.7	201.7	223.3	10.0	10.3	8.6	10.7
Magazines, newspapers, and sheet music	10.4	12.7	13.2	13.9	15.6	5.1	3.9	5.3	13.7
Nondurable toys and sport supplies	14.6	19.7	21.1	23.1	26.8	7.6	7.1	9.5	16.0
Radio and television receivers									
records and musical instruments	19.9	31.5	37.0	38.8	41.2	12.2	17.5	5.1	5.9
Private education and research	27.2	39.1	43.3	47.3	51.3	9.5	10.7	9.2	6.5
Religious and welfare activities	36.8	52.6	57.1	62.9	68.1	9.3	8.6	10.2	8.3

Represents zero. ¹ Includes other expenditures not shown separately. ² Consists of purchases (including tips) of meals and beverages from retail, service and amusement establishments, hotels, dining and buffet cars, schools, school restaurants, institutions, clubs, and industrial lunch rooms. ³ Includes mattresses and bed springs. ⁴ Consist largely of textile house furnishings including piece goods allocated to house furnishing use. Also includes lamp shades, brooms, and brushes. ⁵ Excludes drug preparations and related products dispensed by physicians, hospitals, and other medical services. ⁶ Consists of (1) current expenditures (including capital consumption allowances with capital consumption adjustment) of nonprofit hospitals, sanitariums, and nursing homes, and (2) payments by patients to proprietary hospitals, sanitariums, and nursing homes. ⁷ Consist of (1) premiums less benefits and dividends, for health, hospitalization and accidental death and dismemberment insurance provided by commercial insurance carriers, and (2) administrative expenses (including capital consumption allowances with capital consumption adjustment) of Blue Cross and Blue Shield plans and of other independent prepaid and self-insured health plans. ⁸ Consist of (1) operating expenses of life insurance carriers and private noninsured pension plans, and (2) premiums, less benefits and dividends of fraternal benefit societies. Excludes expenses allocated by commercial carriers to accident and health insurance. ⁹ For additional details, see table 377.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-1962*, and *Survey of Current Business*, July issues.

**NO. 664. PERSONAL CONSUMPTION EXPENDITURES, BY TYPE OF PRODUCT IN CONSTANT (1982)
DOLLARS: 1980 TO 1987**

[In billions of dollars, except percent. Minus sign (-) indicates decrease]

TYPE OF PRODUCT	1980	1984	1985	1986	1987	AVERAGE ANNUAL PERCENT CHANGE			
						1980-1984	1985-1986	1986-1987	1980-1987
Personal consumption expenditures	2,666.4	2,246.3	2,364.8	2,465.2	2,221.9	3.6	4.7	4.3	2.7
Durable goods	245.9	323.1	355.1	365.0	300.9	7.1	9.8	6.4	1.5
Motor vehicles and parts ¹	103.8	148.0	164.4	176.4	170.4	8.3	11.1	7.3	-3.4
New autos	51.2	73.5	80.4	88.2	80.0	8.5	8.4	10.9	-10.3
Net purchases of used autos	21.0	24.8	28.9	29.6	28.6	4.2	16.5	3.1	-3.4
Tires, tubes, accessories, etc.	18.1	24.8	26.8	29.2	29.7	8.2	6.1	5.2	5.3
Furniture and household equipment ¹	95.4	116.4	131.0	143.2	151.0	5.5	10.6	9.3	5.4
Furniture, including mattresses and bedprings	23.2	25.2	26.1	27.7	26.9	2.2	3.2	6.1	4.3
Kitchen and other household appliances	18.4	21.0	23.5	25.5	26.9	3.4	11.9	6.5	5.5
China, glassware, tableware, and utensils	10.8	12.0	12.7	13.7	13.8	3.1	5.8	7.9	7
Radio and television receivers ²	20.4	34.4	42.5	48.1	51.9	14.0	23.5	13.2	7.9
Other	46.7	56.7	59.7	65.4	69.6	5.0	5.3	9.5	6.4
Nondurable goods	762.6	625.9	647.4	679.5	690.5	2.0	2.6	3.6	1.3
Food	394.9	422.8	435.5	448.0	450.4	1.7	3.0	2.9	.5
Food purchased for off-premise consumption	272.4	282.0	304.5	311.8	308.7	1.8	4.3	2.4	-1.0
Purchased meals and beverages	115.1	122.8	123.0	128.1	133.4	1.7	1	4.1	4.1
Food furnished employees ³	7.5	7.8	8.1	8.1	8.3	1.3	2.5	-	2.5
Clothing and shoes	114.8	142.2	147.2	157.6	160.6	5.5	3.5	7.1	1.6
Shoes	16.3	21.2	22.2	23.7	24.8	3.7	4.7	6.8	4.6
Women's and children's clothing and accessories ⁴	61.5	81.2	84.0	91.1	91.7	7.2	3.4	8.5	7
Men's and boys' clothing and accessories ⁴	35.0	39.7	41.0	42.8	44.1	3.2	3.3	4.4	3.0
Gasoline and oil	86.4	84.6	84.4	87.3	86.3	1.7	-1	3.1	1.0
Fuel oil and coal	21.6	16.5	19.8	22.0	21.1	-3.6	5.9	12.2	-4.1
Other nondurable goods ¹	142.9	147.6	160.7	154.6	160.2	.8	2.0	2.6	3.6
Tobacco products	24.9	24.0	23.9	23.4	23.1	-.9	-.4	-2.1	-1.3
Toilet articles and preparations	19.6	20.0	20.5	21.1	21.9	.5	2.5	2.9	3.8
Semidurable house furnishings	11.6	12.0	12.3	13.2	13.1	.9	2.5	7.3	-.8
Cleaning and polishing preparations, etc.	23.4	23.6	24.0	24.8	25.1	.4	.8	3.3	1.2
Drug preparations and sundries	23.0	22.6	22.5	22.7	22.9	-.4	-.4	.9	.9
Nondurable toys and sport supplies	15.9	19.9	21.3	23.2	26.4	6.8	7.0	6.9	13.6
Services	991.9	1,100.3	1,152.3	1,190.7	1,238.5	2.8	4.7	3.3	4.1
Housing ¹	312.5	333.0	341.7	348.3	358.3	1.6	2.6	1.9	2.0
Owner-occupied nonfarm dwellings—space rent	212.0	228.1	230.8	234.5	241.4	1.6	2.1	1.8	2.0
Tenant-occupied nonfarm dwellings—rent	73.6	81.6	86.3	89.4	92.4	2.7	5.5	3.8	3.4
Rental value of farm dwellings	14.3	12.1	11.7	11.4	11.1	-4.1	-3.3	-2.6	-2.6
Household operation ¹	142.6	148.6	151.6	152.1	157.0	1.1	1.9	.3	3.2
Electricity	47.0	50.4	52.2	52.6	55.1	1.6	3.6	1.1	4.4
Gas	26.0	24.9	25.3	23.9	24.0	-1.1	1.6	-5.5	.4
Water and other sanitary services	11.7	12.9	13.7	14.4	15.0	2.5	6.2	5.1	4.2
Telephone and telegraph	33.6	34.5	33.7	34.2	35.6	.7	-2.3	1.6	3.6
Domestic service	7.6	8.1	9.2	9.2	9.2	4.6	1.1	-	-
Transportation	77.4	75.9	82.1	85.4	89.3	-.5	6.2	4.0	4.6
User-operated transportation	48.0	50.0	54.7	56.1	58.5	1.0	9.4	2.6	-
Purchased local transportation	7.5	6.4	6.5	6.6	6.6	-3.9	1.6	1.5	-
Purchased intercity transportation ¹	21.9	19.5	20.9	22.7	24.2	-2.9	7.2	6.8	6.8
Railway (excluding commutation)	.5	.5	.5	.5	.5	-	-	-	-
Bus	1.5	1.0	1.0	.8	.8	-8.8	-	-20.0	-
Airline	18.7	16.5	17.8	18.7	21.2	-3.1	7.9	10.7	7.8
Medical care	200.6	232.0	240.9	251.5	269.2	3.7	3.9	4.4	6.6
Physicians	50.9	58.2	60.3	61.6	68.9	3.4	3.6	2.2	6.6
Dentists	16.2	17.2	17.5	17.6	18.1	1.5	1.7	.8	2.8
Other professional services	16.6	26.0	29.3	32.1	36.6	11.9	12.7	9.8	14.0
Privately controlled hospitals and sanitariums	100.8	116.7	118.2	123.7	129.7	3.5	2.2	4.7	4.9
Health insurance	16.0	14.9	15.6	16.4	17.1	-1.8	4.7	5.1	4.3
Other ¹	256.8	310.7	336.0	353.4	366.6	4.7	6.1	5.2	3.7
Personal care ¹	25.0	27.0	27.9	28.9	30.0	1.9	3.3	3.6	3.8
Cleaning, storage, and repair of clothing and shoes	7.7	7.7	7.6	7.6	7.6	-	-1.3	-	-
Barbershops, beauty parlors, baths, and health clubs	12.4	13.3	13.8	14.3	15.0	1.8	3.8	3.6	4.9
Personal business ¹	111.2	127.4	138.9	147.7	149.9	3.5	9.0	6.3	1.5
Brokerage charges and investment counseling	9.0	11.3	15.5	20.2	20.1	6.8	37.2	30.3	-.5
Recreation	46.1	61.5	66.1	68.6	74.7	6.3	7.9	5.6	7.0
Private education and research ¹	31.8	35.8	38.3	40.8	42.4	3.0	7.0	6.0	4.4
Higher education	11.7	12.8	13.3	13.6	13.8	2.3	3.8	2.3	1.6
Elementary and secondary schools	10.8	11.6	12.3	12.9	13.1	1.8	6.0	4.6	1.6
Religious and welfare activities	42.0	49.3	52.4	56.1	58.5	4.1	6.3	7.1	4.3

Represents zero. ¹ Includes expenditures not shown separately. ² Includes musical instruments and records. Includes military and food produced and consumed on farms. ³ Except shoes.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1989-92*, and *Survey of Current Business*, July issues.

NO. 695. PERSONAL INCOME AND ITS DISPOSITION: 1970 TO 1987

(In billions of dollars, except percent. For definition of personal income, see text, section 14)

ITEM	1970	1980	1982	1983	1984	1985	1986	1987
Personal income	831.8	2,258.5	2,670.8	2,836.8	3,108.7	3,325.3	3,531.1	3,780.8
Wage and salary disbursements	551.5	1,372.0	1,586.1	1,676.8	1,838.6	1,975.4	2,094.0	2,248.4
Commodity-producing industries ¹	203.7	470.7	511.7	523.1	577.6	608.9	625.5	649.8
Manufacturing	158.4	355.6	384.0	397.4	439.1	480.9	473.1	490.3
Distributive industries ²	131.2	336.5	384.2	404.2	442.8	473.2	498.9	531.7
Service industries ³	99.4	305.6	384.4	425.1	472.1	521.3	575.9	646.8
Government and gov't enterprises	117.1	280.2	305.9	324.3	346.1	372.0	393.7	420.1
Other labor income	32.5	138.4	183.6	173.6	182.9	187.6	196.1	207.9
Proprietors' income ⁴	80.2	180.7	175.5	190.9	234.5	255.9	285.7	312.9
Rental income of persons ⁵	18.2	6.6	13.8	13.2	6.6	9.2	12.4	18.4
Personal dividend income	22.2	52.8	63.9	68.7	75.6	78.7	82.8	86.6
Personal interest income	89.3	271.8	388.7	393.1	444.7	478.0	498.1	527.0
Transfer payments	85.9	324.7	410.6	442.6	456.8	469.8	521.1	646.8
Old-age, survivors, disability, and health insurance benefits	38.5	154.2	204.5	221.7	236.7	253.4	289.3	282.9
Gov't unemployment insurance benefits	4.0	18.1	25.2	26.3	15.8	15.7	16.3	14.7
Veterans benefits	7.7	15.0	16.4	18.6	16.4	16.7	16.7	16.6
Gov't employees retirement benefits	10.2	43.0	54.6	58.7	61.4	68.8	70.6	75.7
Other transfer payments	25.6	96.4	109.9	119.3	127.3	137.3	148.2	168.9
Less: Personal contributions for social insurance	27.9	88.8	112.3	120.1	132.7	148.3	161.1	172.0
Less: Personal tax and nontax payments	118.2	340.5	406.3	410.6	440.2	466.6	511.4	570.9
Equals: Disposable personal income	715.6	1,918.0	2,261.4	2,426.1	2,668.6	2,838.7	3,019.5	3,209.7
Less: Personal outlays	657.9	1,781.1	2,107.8	2,287.4	2,504.5	2,713.3	2,898.0	3,105.5
Personal consumption expenditures	640.0	1,732.8	2,050.7	2,234.5	2,430.5	2,628.0	2,807.5	3,012.1
Interest paid by consumers to business	16.7	47.4	56.5	61.9	72.5	82.6	89.1	92.1
Personal transfer payments to foreigners (net)	1.2	1.1	1.3	1.0	1.5	1.7	1.4	1.3
Equals: Personal saving	57.7	136.9	153.9	139.8	164.1	125.4	121.7	104.2
Percent of disposable personal income	8.1	7.1	6.8	5.4	6.1	4.4	4.0	3.2
Real disposable personal income ⁶	1,088.1	2,214.3	2,261.5	2,331.9	2,469.8	2,542.8	2,640.9	2,686.3
Average annual percent change ⁷	4.1	2.8	.8	3.1	5.9	3.0	3.9	1.7
PERCENT DISTRIBUTION								
Personal income	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Wage and salary disbursements	66.3	60.7	59.4	59.1	59.1	59.4	59.3	59.5
Other labor income	3.9	6.1	6.1	6.1	5.9	5.6	5.6	5.5
Proprietors' income ⁴	9.6	8.0	6.6	6.7	7.5	7.7	8.1	8.3
Rental income of persons ⁵	2.2	.3	.5	.5	.3	.3	.4	.5
Personal dividend income	2.7	2.3	2.4	2.4	2.4	2.4	2.3	2.3
Personal interest income	8.3	12.0	13.8	13.8	14.3	14.4	14.1	13.9
Transfer payments	10.3	14.4	15.4	15.6	14.7	14.7	14.8	14.5
Less: Personal contributions for social insurance	-3.4	-3.9	-4.2	-4.2	-4.3	-4.6	-4.6	-4.6

¹ Comprises agriculture, forestry, fisheries, mining, construction, and manufacturing. ² Comprises transportation, communication, electric, gas, and sanitary services, and trade. ³ Comprises finance, insurance, and real estate services; and rest of world. ⁴ With capital consumption and inventory valuation adjustments. ⁵ With capital consumption adjustments. ⁶ 1982 prices. ⁷ Represents average for period of intervals shown here; for 1970, change from 1965. For explanation of average annual percent change, see Guide to Tabular Presentation.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July issues.

NO. 696. GROSS SAVING AND INVESTMENT: 1970 TO 1987

(In billions of dollars)

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Gross saving	184.7	338.7	445.0	522.6	446.4	463.6	588.5	588.5	637.2	683.4
Gross private saving	184.5	305.6	478.4	550.5	557.1	592.2	673.5	695.3	651.8	685.3
Personal saving	57.7	104.8	138.9	159.4	153.9	130.6	184.1	125.4	121.7	104.2
Undistributed corporate profits ¹	17.9	37.1	37.7	43.2	20.0	65.0	94.0	102.8	104.1	81.1
Undistributed profits	19.2	54.3	87.6	81.8	39.6	58.9	87.0	44.8	41.8	47.4
Inventory valuation adjustment	-6.8	-11.0	-43.1	-24.2	-10.4	-10.9	-6.8	-1.7	6.3	-18.0
Capital consumption adjustment	5.2	-8.2	-18.6	-14.4	-9.2	17.0	32.7	59.7	54.2	51.7
Corporate CCA ²	52.0	90.4	181.4	210.7	235.0	242.7	254.5	268.6	262.4	297.5
Noncorporate CCA ²	39.9	65.4	122.4	137.1	148.2	153.9	180.9	186.7	173.5	182.5
Government surplus or deficit (-) ³	-10.6	-84.9	-34.5	-29.7	-110.8	-128.6	-105.0	-131.8	-144.4	-104.9
Federal	-12.4	-89.4	-61.3	-63.8	-145.9	-178.0	-169.6	-196.9	-205.6	-157.9
State and local	1.8	4.5	26.8	34.1	35.1	47.6	64.6	65.1	61.2	52.9
Capital grants received by the U.S. (net)	.9	-	1.2	1.1	-	-	-	-	-	-
Gross investment	183.8	341.2	489.0	539.1	446.3	463.5	573.9	538.7	532.6	552.3
Gross private domestic investment	145.6	219.6	437.0	515.5	447.3	502.3	684.8	643.1	685.9	712.9
Net foreign investment	4.6	21.6	13.0	10.6	-1.0	-33.5	-90.0	-114.4	-142.4	-180.6
Statistical discrepancy	-1.1	2.8	4.8	4.1	-1	6.2	6.4	-4.3	-13.6	-6.1

- Represents zero. ¹ With inventory valuation and capital consumption adjustments. ² Capital consumption allowances with capital consumption adjustment. ³ National income and product accounts basis.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July issues.

NO. 697. GROSS STATE PRODUCT: 1960 TO 1966

(In millions of dollars, except percent. For definition of gross state product, see text, section 14. For explanation of average annual percent change, see Guide to Tabular Presentation. Minus sign (-) indicates decrease)

DIVISION AND STATE	1960	1964	1965	1966	AVERAGE ANNUAL PERCENT CHANGE		
					1960-1964	1964-1965	1965-1966
U.S.	2,578,298	3,707,011	3,963,347	4,191,705	6.5	6.9	5.8
N. Eng.	138,413	206,107	225,201	246,660	10.6	9.3	9.2
ME	10,200	14,782	15,806	17,326	9.7	7.5	9.0
NH	9,326	14,846	16,585	18,518	12.3	11.7	11.7
VT	4,894	7,215	7,915	8,636	10.2	9.7	9.1
MA	65,057	96,980	106,148	115,526	10.5	9.5	8.6
RI	9,184	12,821	13,661	15,205	6.9	6.0	8.9
CT	39,752	59,363	64,696	70,639	10.5	9.0	9.2
Mid. Atl.	428,206	606,866	651,363	701,080	9.1	7.3	7.6
NY	214,143	311,727	336,071	362,736	9.8	7.8	7.9
NJ	88,516	131,776	142,302	154,786	10.5	8.0	8.8
PA	125,547	163,363	172,990	183,559	6.8	5.9	6.1
E. No. Cent.	490,519	634,118	662,480	700,962	6.8	6.1	6.8
OH	121,642	158,543	167,645	178,102	6.8	5.7	5.0
IN	59,050	76,066	80,262	84,822	6.5	5.5	5.8
IL	143,110	187,484	198,136	208,699	7.0	5.7	5.8
MI	103,841	132,369	143,719	153,240	6.3	6.6	6.6
WI	52,878	69,636	72,716	78,922	7.1	4.4	5.8
W. No. Cent.	197,837	266,744	278,639	292,634	7.7	4.8	5.9
IA	48,848	67,250	71,183	75,626	8.3	5.8	6.2
IA	34,442	41,407	42,100	43,636	4.7	1.7	4.1
MO	53,142	74,493	79,220	83,534	6.8	6.3	5.4
ND	8,146	10,806	10,726	10,733	7.3	- .8	1
SD	6,822	8,023	9,297	9,802	6.9	3.0	5.4
NE	16,073	24,288	25,839	28,521	7.8	5.6	3.4
KS	26,066	36,496	40,364	42,472	9.2	4.9	5.2
So. Atl.	398,303	573,331	621,756	671,661	10.2	8.4	8.0
DE	7,047	10,186	10,666	11,708	9.6	7.7	6.7
MD	44,812	64,465	70,580	76,504	9.5	9.5	8.4
DC	19,029	25,100	27,185	28,791	7.2	6.3	5.9
VA	58,634	87,599	95,369	104,155	10.6	8.9	9.2
WV	19,197	22,865	23,541	24,066	4.5	2.9	2.4
NC	56,876	87,748	93,821	100,961	10.5	6.9	7.6
SC	27,275	39,581	41,832	44,727	9.8	5.7	6.9
GA	56,503	86,213	94,121	102,922	11.6	9.2	9.4
FL	97,830	149,554	164,340	177,729	11.2	9.9	8.1
E. So. Cent.	139,886	191,968	201,532	212,300	8.4	6.6	6.3
KY	36,838	49,512	51,234	53,135	7.7	3.5	3.7
TN	45,018	63,207	67,560	72,326	8.9	6.9	7.1
AL	34,969	48,710	51,919	55,007	6.8	6.6	5.9
MS	21,470	29,637	30,819	31,830	6.4	4.0	3.3
W. So. Cent.	325,075	447,966	466,102	486,363	8.3	4.7	-1.9
AR	20,123	29,716	29,926	31,633	9.3	4.2	5.7
LA	62,166	79,034	79,719	74,426	6.2	.9	6.6
OK	37,739	50,077	50,842	49,614	7.3	1.6	-2.0
TX	205,047	289,239	307,615	309,510	9.0	6.4	-1.3
Mountain	141,178	184,662	207,626	216,479	8.3	7.0	4.3
MT	9,525	11,726	11,543	12,163	5.3	-1.6	5.4
ID	9,870	12,299	13,027	13,170	8.2	5.9	1.1
WY	10,900	12,466	12,777	11,673	3.4	2.5	-6.6
CO	37,820	53,373	56,713	59,177	9.1	6.3	4.3
NM	16,442	22,995	23,687	23,603	8.4	5.4	1.2
AZ	29,831	43,442	48,569	53,253	9.8	11.8	9.8
UT	15,121	21,739	23,172	24,006	9.5	6.6	3.6
NV	11,970	16,350	17,916	19,426	8.1	9.0	6.4
Pac.	432,880	598,829	646,739	691,672	8.5	6.0	6.9
WA	51,354	87,347	71,756	77,683	7.0	6.5	8.3
OR	30,219	36,882	38,922	41,276	5.1	5.5	6.1
CA	325,171	456,874	496,850	533,816	8.9	6.7	7.4
AK	12,860	20,802	21,237	19,575	12.8	2.1	-7.8
HI	13,076	16,724	17,994	19,320	6.3	7.6	7.4

Source: U.S. Bureau of Economic Analysis, Survey of Current Business, May 1966.

NO. 698. GROSS STATE PRODUCT, BY INDUSTRY: 1966

(In millions of dollars. For definition of gross state product, see text, section 14)

DIVISION AND STATE	Total	Farms, forestry, and fisheries ¹	Mining	Construction	Manufacturing	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services	Government ²
U.S.	4,181,706	92,983	86,381	187,878	634,382	381,444	284,588	487,827	684,886	708,188	482,151
N. Eng.	245,880	2,321	216	11,780	86,433	18,134	17,118	24,738	44,373	46,817	23,848
ME	17,326	387	7	1,079	3,883	1,619	1,031	1,888	2,826	2,605	2,210
NH	18,518	150	25	1,350	4,812	1,188	1,049	1,970	3,483	2,952	1,580
VT	8,836	274	23	538	1,881	891	478	873	1,572	1,373	834
MA	115,526	848	70	5,441	25,100	8,245	8,583	11,477	19,734	25,437	10,814
RI	15,205	170	10	403	3,886	1,028	872	1,817	2,715	2,771	1,824
CT	70,839	484	75	2,940	17,181	5,383	5,028	6,813	14,063	11,779	6,887
Mid. Atl.	701,080	5,827	2,471	39,854	131,848	88,821	88,388	88,448	138,880	134,732	72,779
NY	382,738	2,181	487	14,808	89,877	33,298	30,802	29,138	80,407	72,820	38,829
NJ	154,785	952	88	7,891	30,529	16,242	13,479	13,862	28,706	27,870	15,438
PA	183,559	2,414	1,876	7,455	40,842	19,281	12,300	17,449	29,787	33,942	18,412
E. No. Cent.	700,882	13,838	4,881	35,386	187,840	84,888	48,388	88,748	113,773	108,182	67,836
OH	178,102	2,348	1,441	5,883	51,421	18,308	11,445	17,258	27,058	28,725	18,535
IN	84,822	2,288	588	3,881	25,305	8,187	4,884	8,538	12,288	10,888	7,942
IL	209,886	3,943	1,888	8,880	42,277	22,837	17,771	18,880	36,728	36,858	19,732
MI	183,240	1,885	1,011	4,877	47,840	11,347	9,484	14,188	24,178	23,188	15,431
WI	78,922	3,384	84	2,345	21,297	6,078	4,802	7,071	13,513	10,858	7,885
W. No. Cent.	282,534	28,838	2,832	11,288	87,122	28,782	21,128	28,838	48,388	42,388	28,411
MN	75,828	3,575	408	2,788	16,813	8,851	6,022	7,882	12,829	11,887	7,418
IA	43,838	4,827	80	1,388	8,288	3,555	2,988	3,951	7,835	5,873	4,122
MO	83,834	2,187	283	3,488	18,812	9,155	5,873	8,707	13,042	13,484	8,413
ND	10,733	1,587	879	882	822	1,130	841	883	1,813	1,351	1,224
SD	9,882	1,587	117	375	877	832	815	1,018	1,718	1,328	1,187
NE	28,821	3,322	70	888	3,848	2,888	1,872	2,383	4,888	3,588	2,144
KS	42,472	2,881	877	1,721	7,822	5,080	2,947	3,823	6,572	5,835	4,825
So. Atl.	871,581	12,221	5,812	37,887	118,818	82,488	48,881	78,888	102,888	111,788	108,887
DE	11,788	251	2	888	3,325	812	857	984	2,129	1,818	1,284
MD	78,884	931	114	4,012	9,108	5,580	5,488	8,788	12,827	15,335	13,361
DC	28,791	8	7	1,881	1,088	1,805	532	1,274	2,875	8,251	11,189
VA	104,155	1,305	1,117	8,014	18,885	9,577	6,883	9,801	15,352	18,388	20,301
WV	24,088	225	3,177	1,183	3,488	3,287	1,232	2,253	3,508	3,008	2,788
NC	100,881	2,422	284	4,015	31,871	8,713	8,444	10,241	12,781	11,853	12,538
SC	44,727	613	103	1,780	11,848	3,781	2,588	4,888	5,788	5,571	7,573
GA	102,822	2,138	872	5,535	21,831	11,302	9,841	10,328	14,185	14,584	12,829
FL	177,729	4,432	1,588	12,882	19,184	18,518	12,587	21,477	33,385	34,582	21,138
E. So. Cent.	212,388	5,713	5,874	8,881	82,448	18,844	13,183	21,888	28,743	38,487	37,888
KY	53,135	1,810	3,007	2,821	12,784	4,841	2,843	5,127	7,908	8,358	8,158
TN	72,328	1,383	351	3,188	18,087	5,814	5,274	8,180	10,328	11,135	8,770
AL	55,007	1,331	1,388	1,784	12,818	5,588	3,808	5,248	7,240	7,387	8,554
MS	31,830	1,088	827	1,428	8,870	2,720	1,840	3,402	4,288	3,579	4,208
W. So. Cent.	488,383	18,478	48,322	23,818	73,278	80,108	32,214	43,887	63,884	63,383	68,174
AR	31,833	1,887	808	1,552	7,782	3,288	1,718	3,288	4,479	3,829	3,288
LA	74,428	804	12,818	3,805	9,870	8,297	4,283	6,585	11,027	9,755	7,482
OK	49,814	1,822	5,183	2,132	7,110	5,240	3,048	4,817	8,745	8,508	7,107
TX	303,510	5,885	31,115	18,228	48,708	33,273	23,184	28,257	41,403	43,180	32,288
SW	218,473	8,143	18,878	15,878	24,878	22,888	11,748	22,118	34,818	37,888	38,011
MT	12,183	1,008	888	1,022	881	1,488	883	1,048	2,008	1,807	1,551
ID	13,170	1,185	170	438	2,152	1,380	788	1,355	2,080	1,880	1,842
WY	11,873	218	3,078	1,378	331	1,584	403	788	1,821	808	1,385
CO	59,177	1,517	1,704	3,510	7,831	8,584	3,784	8,285	9,888	10,218	8,275
NM	23,803	513	3,181	1,578	1,881	2,428	858	2,214	3,388	3,502	3,861
AZ	53,253	1,122	883	5,330	7,172	4,848	2,802	8,131	8,809	9,045	7,413
UT	24,088	400	825	1,220	3,888	3,038	1,878	2,402	3,574	3,500	3,880
NV	19,428	188	548	1,505	833	1,834	780	1,907	2,748	8,901	2,094
Pac.	881,872	18,823	12,881	32,842	121,283	88,138	48,888	78,718	118,823	128,837	88,548
WA	77,883	2,841	174	4,488	13,418	8,881	8,243	8,330	12,167	11,887	11,888
OR	41,278	1,528	88	1,355	8,181	4,141	3,213	3,913	7,385	6,382	5,041
CA	533,818	11,282	5,827	23,855	87,880	41,828	38,711	55,218	93,780	103,387	62,029
AK	19,575	317	8,530	1,881	878	1,485	480	1,108	1,805	1,848	3,224
HI	19,320	454	2	1,183	1,000	1,811	841	2,151	3,388	3,823	4,558

¹ Includes agricultural services.² Includes Federal civilian and military, State and local.Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, May 1968.

Disposable Personal Income

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NO. 688. DISPOSABLE PERSONAL INCOME PER CAPITA IN CURRENT AND CONSTANT (1982) DOLLARS—STATES: 1980 TO 1987

[For comparison of regions, see fig. 1, inside front cover]

REGION, DIVISION, AND STATE	CURRENT DOLLARS						CONSTANT (1982) DOLLARS			
	1980	1985	1986	1987	Income rank		1980	1985	1986	1987
					1980	1987				
U.S.	8,424	11,882	12,489	13,143	(x)	(x)	8,786	10,826	10,827	10,988
Regions:										
Northeast	8,985	13,132	14,011	14,945	(x)	(x)	10,326	11,767	12,256	12,506
Midwest	8,407	11,642	12,304	12,897	(x)	(x)	9,686	10,432	10,765	10,782
South	7,614	10,785	11,231	11,778	(x)	(x)	8,772	9,846	9,828	9,858
West	9,245	12,687	13,295	13,821	(x)	(x)	10,651	11,388	11,632	11,849
New England	8,936	13,009	14,553	15,874	(x)	(x)	10,286	12,106	12,732	13,117
Maine	7,218	10,363	11,231	12,082	36	29	8,316	9,304	9,826	10,119
New Hampshire	8,523	13,472	14,397	15,363	15	5	9,619	12,072	12,586	12,856
Vermont	7,410	10,572	11,404	12,153	35	28	8,537	9,473	9,878	10,170
Massachusetts	8,926	13,677	14,782	15,982	13	3	10,283	12,256	12,941	13,382
Rhode Island	8,130	12,048	12,802	13,522	26	14	9,367	10,788	11,201	11,315
Connecticut	10,198	15,299	16,452	17,784	2	1	11,749	13,706	14,394	14,882
Middle Atlantic	8,974	13,003	13,329	14,886	(x)	(x)	10,339	11,863	12,088	12,297
New York	8,986	13,015	13,863	14,880	10	6	10,330	11,882	12,128	12,288
New Jersey	9,822	15,020	16,071	17,280	4	2	11,316	13,469	14,080	14,480
Pennsylvania	8,460	11,700	12,333	13,085	16	19	9,746	10,484	10,790	10,850
East North Central	8,844	11,746	12,389	12,949	(x)	(x)	9,844	10,526	10,847	10,879
Ohio	8,275	11,341	11,908	12,453	24	25	9,534	10,162	10,417	10,421
Indiana	7,874	10,673	11,273	11,856	31	33	8,071	9,563	9,863	9,821
Illinois	9,151	12,680	13,377	14,066	8	9	10,543	11,382	11,703	11,787
Michigan	8,822	11,882	12,611	13,085	14	20	9,933	10,847	11,033	10,983
Wisconsin	8,315	11,373	12,024	12,715	20	22	9,580	10,191	10,520	10,640
West North Central	8,876	11,386	12,081	12,678	(x)	(x)	9,384	10,211	10,576	10,808
Minnesota	8,410	11,685	12,740	13,438	17	16	9,689	10,659	11,146	11,243
Iowa	8,012	10,886	11,542	12,213	27	27	8,231	9,736	10,088	10,280
Missouri	7,864	11,455	12,086	12,658	26	23	8,184	10,264	10,584	10,584
North Dakota	7,339	10,577	11,088	11,504	37	34	8,456	9,477	9,710	9,827
South Dakota	7,322	10,016	10,750	11,377	36	35	8,436	8,976	9,406	9,520
Nebraska	7,873	11,364	11,880	12,478	32	24	8,070	10,183	10,393	10,443
Kansas	8,368	11,688	12,329	12,757	18	21	8,684	10,474	10,787	10,675
South Atlantic	7,782	11,384	11,978	12,710	(x)	(x)	8,886	10,111	10,478	10,636
Delaware	8,259	12,015	12,787	13,572	25	13	9,515	10,786	11,170	11,357
Maryland	8,842	13,423	14,228	15,128	12	7	10,202	12,028	12,448	12,680
District of Columbia	10,290	14,585	15,559	16,708	(x)	(x)	11,856	13,078	13,613	13,982
Virginia	8,286	12,284	13,140	13,978	23	10	9,558	11,007	11,486	11,888
West Virginia	8,773	8,828	9,283	9,567	46	49	7,803	7,910	8,104	8,023
North Carolina	8,819	9,883	10,564	11,239	45	36	7,856	8,885	9,243	9,405
South Carolina	8,505	9,218	9,884	10,238	48	42	7,484	8,280	8,473	8,568
Georgia	7,088	10,546	11,276	11,918	41	31	8,186	9,450	9,886	9,973
Florida	8,364	11,811	12,543	13,314	19	17	8,659	10,673	10,974	11,142
East South Central	8,882	9,180	9,887	10,294	(x)	(x)	7,710	8,226	8,484	8,614
Kentucky	8,852	9,284	9,731	10,364	43	41	8,008	8,319	8,513	8,684
Tennessee	8,891	9,808	10,482	11,208	42	37	8,054	8,789	9,170	9,380
Alabama	8,574	9,105	9,584	10,088	47	45	7,573	8,189	8,383	8,425
Mississippi	5,853	6,001	6,374	6,868	50	50	6,859	7,169	7,326	7,421
West South Central	7,820	10,884	10,983	11,178	(x)	(x)	8,126	9,782	9,981	9,282
Arkansas	6,479	9,186	9,842	9,988	49	46	7,464	8,213	8,436	8,357
Louisiana	7,408	9,825	9,794	9,833	36	47	8,532	8,804	8,569	8,312
Oklahoma	7,839	9,851	9,950	10,089	30	44	8,147	8,827	8,705	8,443
Texas	8,298	11,630	11,886	11,886	22	32	9,580	10,421	10,207	9,948
Mountain	8,086	10,866	11,404	11,787	(x)	(x)	8,327	9,816	9,977	9,864
Montana	7,882	9,678	10,308	10,788	33	38	8,682	9,672	9,014	9,029
Idaho	7,451	9,508	9,829	10,404	34	34	8,584	9,520	8,588	8,707
Wyoming	9,420	10,707	10,815	10,454	6	39	10,853	9,594	9,267	8,748
Colorado	8,944	12,532	12,892	13,158	11	18	10,304	11,229	11,279	11,011
New Mexico	7,138	9,686	9,915	10,113	40	43	6,223	8,686	8,674	8,483
Arizona	7,943	11,282	11,831	12,428	29	26	8,151	10,081	10,438	10,400
Utah	6,674	9,145	9,488	9,727	44	48	7,920	8,184	8,283	8,139
Nevada	9,714	12,409	13,179	13,888	5	11	11,181	11,119	11,530	11,828
Pacific	9,666	13,318	13,862	14,880	(x)	(x)	11,128	11,894	12,233	12,293
Washington	9,213	12,456	13,185	13,773	7	12	10,615	11,163	11,536	11,528
Oregon	8,304	10,793	11,385	11,880	21	30	9,586	9,671	9,989	10,008
California	9,875	13,715	14,384	15,138	3	8	11,377	12,289	12,688	12,688
Alaska	11,572	16,250	16,010	16,724	1	4	13,332	14,581	14,007	13,158
Hawaii	9,085	11,980	12,884	13,481	9	15	10,443	10,735	11,097	11,284

x: Not applicable.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, August issues, and unpublished data.

NO. 700. PERSONAL INCOME IN CURRENT AND CONSTANT (1982) DOLLARS—STATES: 1970 TO 1987

[1987 preliminary] Represents a measure of income received from all sources during the calendar year by the residents of each State. Data exclude Federal employees overseas and, for 1980, U.S. residents employed by private U.S. firms on temporary foreign assignment. Totals may differ from those in tables 689, 690, and 695. See text, section 14. For composition of regions, see fig. 1, inside front cover. Minus sign (-) indicates decrease.]

REGION, DIVISION, AND STATE	CURRENT DOLLARS (\$B. dol.)				CONSTANT (1982) DOLLARS								
	1970	1980	1986	1987	Total (\$B. dol.)				Average annual percent change ¹			Percent of U.S.	
					1975	1980	1986	1987	1970- 1980	1980- 1986	1986- 1987	1970	1987
U.S.	625.6	2,354.1	3,621.4	3,798.1	1,846.8	2,396.8	3,608.3	3,162.2	3.6	2.9	2.4	100.0	100.0
Regions:													
Northeast	223.8	621.6	831.1	897.3	500.7	600.8	727.1	780.9	1.8	3.2	3.3	27.1	23.8
Midwest	229.4	584.4	848.1	898.3	513.1	673.9	742.0	751.7	2.8	1.8	1.3	27.8	23.8
South	218.5	677.4	1,089.7	1,182.7	488.8	780.4	983.4	972.9	4.8	3.4	2.1	28.6	30.9
West	153.9	470.8	752.5	809.9	344.2	542.3	688.4	677.7	4.7	3.3	2.9	18.6	21.5
NE	83.8	130.4	218.8	238.8	116.1	188.2	191.3	196.7	2.4	4.1	4.4	6.4	6.3
ME	3.4	9.3	15.1	16.8	7.8	10.7	13.2	13.9	3.5	3.8	5.2	.4	.4
NH	2.9	9.0	16.8	18.5	6.5	10.4	14.7	15.5	4.8	5.8	5.2	.3	.5
VT	1.6	4.4	7.2	7.8	3.6	5.1	6.3	6.6	3.8	3.7	4.1	.2	.2
MA	25.7	60.8	102.8	112.1	57.8	70.8	80.0	83.8	2.0	4.2	4.2	3.1	3.0
RI	3.9	9.0	14.2	15.3	8.8	10.4	12.4	12.8	1.9	3.0	3.2	.5	.4
CT	15.3	37.7	62.4	68.3	34.2	43.4	54.8	57.1	2.4	3.9	4.6	1.9	1.8
EA	171.0	391.1	612.8	688.8	382.5	488.8	536.8	581.2	1.7	2.9	2.9	28.7	17.6
NY	88.7	188.3	299.3	320.9	198.5	217.0	261.9	268.6	.9	3.2	2.6	10.7	8.5
NJ	34.5	85.4	143.3	158.1	77.3	98.9	125.4	130.7	2.4	4.1	4.2	4.2	4.1
PA	47.7	117.4	189.9	181.8	108.8	135.3	148.6	151.9	2.4	1.8	2.2	5.6	4.8
ENC	167.4	438.3	808.1	837.8	374.5	484.2	538.8	538.4	2.8	1.4	1.3	28.3	16.8
OH	43.0	105.0	148.8	157.8	96.3	121.0	130.3	131.8	2.3	1.2	1.2	5.2	4.2
IN	19.8	50.8	72.2	77.0	49.9	68.5	83.2	84.4	2.8	1.3	1.8	2.4	2.0
IL	50.8	124.0	179.1	190.4	113.8	142.8	158.7	159.4	2.3	1.6	1.7	8.1	5.1
MN	36.8	84.1	135.3	141.8	82.2	108.4	118.4	118.5	2.8	1.5	.1	4.5	3.8
WI	17.2	46.4	88.6	70.8	38.5	53.5	68.3	68.3	3.3	1.4	1.8	2.1	1.8
W.NC	82.8	184.1	248.8	288.8	138.7	188.1	218.2	218.3	2.1	2.2	1.6	7.8	6.8
MN	15.2	41.1	63.2	67.8	34.1	47.4	55.3	55.8	3.3	2.8	2.4	1.8	1.8
IA	10.8	27.8	38.0	40.3	24.1	32.0	33.2	33.8	2.9	.8	1.8	1.3	1.1
MO	17.8	45.8	70.8	74.8	38.9	62.7	81.8	82.7	2.8	2.7	1.5	2.2	2.0
ND	1.8	5.8	8.4	8.7	4.3	6.4	7.4	7.3	4.0	2.3	-1.0	.2	.2
SD	2.1	5.7	8.4	8.9	4.8	6.5	7.3	7.4	3.2	1.9	1.9	.3	.2
NE	5.8	14.8	21.7	22.8	12.5	18.8	19.0	19.1	3.0	2.0	.8	.7	.8
KS	6.5	23.8	36.7	37.4	18.0	27.1	31.2	31.3	3.7	2.3	.4	1.0	1.0
SA	112.8	248.8	578.7	636.8	264.8	388.4	504.8	534.8	4.4	4.3	4.8	13.8	16.8
DE	2.5	6.1	8.8	10.8	5.8	7.0	8.8	9.0	2.2	3.4	4.8	.3	.3
MD	17.8	48.8	75.8	82.2	38.4	52.5	66.1	68.8	2.9	3.8	4.1	2.1	2.2
DC	4.0	7.9	11.8	12.7	8.9	8.1	10.3	10.6	.2	2.2	3.1	.5	.3
VA	17.4	52.8	88.4	97.8	38.0	60.8	78.2	81.8	4.8	4.3	4.4	2.1	2.8
WV	5.4	15.5	20.3	20.9	12.0	17.8	17.8	17.8	4.0	-	-1.5	.7	.8
NC	16.5	47.2	78.7	86.4	38.8	54.4	68.8	71.4	3.8	4.0	3.8	2.0	2.3
SC	7.8	23.8	38.2	41.1	17.5	27.4	32.4	34.4	4.8	3.3	3.0	.8	1.1
GA	15.8	45.8	82.1	88.0	34.8	58.8	71.8	74.5	4.3	5.3	3.7	1.8	2.4
FL	27.0	98.1	171.0	187.4	80.4	110.7	148.6	158.8	6.2	5.1	4.8	3.3	5.0
E.S.C.	38.6	112.8	178.8	188.2	88.1	131.8	148.3	162.2	4.3	3.2	2.7	4.7	4.9
KY	10.1	29.4	42.0	44.8	22.7	38.8	38.7	37.8	4.1	1.4	2.4	1.2	1.2
TN	12.4	37.0	57.5	62.5	27.8	42.8	50.3	52.3	4.4	2.8	4.0	1.5	1.7
AL	10.2	30.1	45.7	48.8	22.7	34.8	40.0	40.8	4.3	2.4	2.0	1.2	1.3
MS	5.8	17.5	25.4	27.0	12.8	20.2	22.2	22.6	4.8	1.8	1.9	.7	.7
W.S.C.	68.3	222.9	342.4	382.5	148.2	288.8	288.5	288.8	5.8	3.8	-1.5	8.8	8.4
AR	5.5	17.1	28.1	27.5	12.2	18.7	22.8	23.0	4.9	2.6	.8	.7	.7
LA	11.2	38.7	60.5	51.2	25.1	42.3	44.2	42.8	5.4	.8	-3.1	1.4	1.4
OK	8.8	28.8	40.3	41.1	18.7	32.8	35.4	34.4	6.3	1.2	-3.0	1.1	1.1
TX	40.8	140.8	228.2	232.8	81.2	161.8	197.0	194.8	5.8	3.3	1.1	4.8	6.2
MR	31.1	188.1	171.8	181.8	88.8	134.8	188.1	181.7	6.8	3.2	1.1	3.8	4.8
MT	2.5	7.0	8.8	10.0	3.5	6.1	8.4	8.4	4.0	.8	-3.3	.3	.3
ID	2.6	8.1	11.2	11.8	5.8	8.4	9.8	9.9	3.3	.7	1.2	.3	.3
WY	1.3	5.4	6.5	6.2	2.8	6.2	6.6	6.2	8.1	-1.5	-7.7	.2	.2
CO	8.0	30.8	48.4	51.4	20.0	35.5	43.2	43.0	6.8	3.3	-.5	1.1	1.4
NM	3.2	10.7	18.9	17.8	7.2	12.3	14.8	14.8	5.5	3.1	.6	.4	.5
AZ	6.8	25.1	44.9	48.5	15.2	28.9	39.2	40.8	6.8	5.2	3.3	.8	1.3
UT	3.5	11.7	18.3	19.1	7.8	13.8	18.0	18.0	6.8	2.8	.1	.4	.5
NV	2.4	9.3	14.8	18.5	5.4	10.7	13.1	13.8	7.1	3.6	5.5	.3	.4
Pac.	122.8	382.8	588.8	638.8	274.8	477.8	688.8	638.8	4.3	3.3	3.5	14.8	16.7
WA	14.2	44.8	85.3	70.8	31.8	51.3	68.0	58.2	4.8	2.1	2.1	1.7	1.9
OR	8.2	28.1	35.8	38.2	18.3	30.0	31.3	32.8	5.1	.7	2.2	1.0	1.0
CA	95.0	278.1	453.4	493.0	212.8	318.1	388.7	412.8	4.1	3.7	4.0	11.8	13.1
AK	1.5	5.8	8.8	8.8	3.8	6.5	8.8	8.0	6.4	4.8	-6.3	.2	.3
HI	3.8	10.8	15.8	17.0	8.4	11.8	13.7	14.2	3.4	2.4	2.8	.5	.5

- Represents zero.

¹ For definition of average annual percent change, see Guide to Tabular Presentation.

Source: U.S. Bureau of Economic Analysis, Survey of Current Business, August issues, and unpublished data.

NO. 701. PERSONAL INCOME PER CAPITA IN CURRENT AND CONSTANT (1982) DOLLARS—STATES:
1970 TO 1987

[1987 preliminary. See footnote, table 700]

REGION, DIVISION, AND STATE	CURRENT DOLLARS							CONSTANT (1982) DOLLARS				
	1970	1980	1985	1986	1987	Income rank		1970	1980	1985	1986	1987
						1980	1987					
U.S.	4,061	8,918	13,896	14,808	15,481	(x)	(x)	9,083	11,427	12,481	12,779	12,958
Region:												
Northeast	4,553	10,603	15,579	16,804	17,848	(x)	(x)	10,186	12,216	13,980	14,526	14,834
Midwest	4,047	9,919	13,572	14,303	15,088	(x)	(x)	9,085	11,427	12,182	12,514	12,626
South	3,467	8,944	12,806	13,128	13,860	(x)	(x)	7,757	10,306	11,295	11,486	11,589
West	4,401	10,843	14,748	15,438	16,295	(x)	(x)	9,546	12,482	13,215	13,507	13,838
New England	4,446	10,542	15,844	17,158	18,579	(x)	(x)	9,943	12,146	14,287	15,011	15,547
Maine	3,405	8,218	11,876	12,846	13,954	39	31	7,617	9,408	10,842	11,239	11,677
New Hampshire	3,680	9,788	15,373	16,396	17,529	23	8	8,702	11,276	13,775	14,345	14,888
Vermont	3,604	8,577	12,383	13,320	14,302	35	27	8,083	9,681	11,096	11,654	11,988
Massachusetts	4,514	10,812	16,305	17,535	19,142	12	3	10,098	12,226	14,610	15,429	16,018
Rhode Island	4,060	9,518	13,783	14,589	15,555	27	18	9,080	10,885	12,332	12,784	13,017
Connecticut	5,037	12,112	18,217	19,547	21,288	2	1	11,268	13,954	16,323	17,101	17,798
Middle Atlantic	4,889	10,624	15,485	16,414	17,886	(x)	(x)	10,283	12,340	13,848	14,361	14,736
New York	4,855	10,721	15,786	16,821	18,004	10	6	10,661	12,351	14,145	14,717	15,088
New Jersey	4,805	11,573	17,626	18,793	20,362	4	2	10,748	13,333	15,794	16,442	17,031
Pennsylvania	4,042	9,891	13,573	14,281	15,212	18	20	9,043	11,395	12,182	12,494	12,730
East North Central	4,181	10,077	13,780	14,432	15,212	(x)	(x)	9,287	11,519	12,276	12,626	12,730
Ohio	4,033	9,723	13,219	13,857	14,612	25	24	9,022	11,202	11,845	12,129	12,226
Indiana	3,771	9,245	12,433	13,124	13,914	31	32	8,436	10,651	11,141	11,482	11,644
Illinois	4,563	10,837	14,728	15,503	16,442	7	11	10,208	12,485	13,197	13,583	13,759
Michigan	4,139	10,185	14,008	14,807	15,383	15	18	9,246	11,711	12,552	12,955	12,981
Wisconsin	3,889	9,845	13,174	13,923	14,742	20	22	8,700	11,342	11,805	12,181	12,336
West North Central	3,791	9,624	13,289	13,989	14,792	(x)	(x)	8,481	10,894	11,886	12,346	12,578
Minnesota	3,985	10,062	14,149	14,995	15,927	16	13	8,937	11,592	12,878	13,118	13,326
Iowa	3,804	9,537	12,570	13,335	14,236	26	29	8,510	10,987	11,283	11,667	11,813
Missouri	3,809	9,288	13,258	13,946	14,687	29	23	8,521	10,712	11,676	12,201	12,290
North Dakota	3,129	8,538	11,921	12,440	13,004	37	35	7,000	9,836	10,882	10,884	10,882
South Dakota	3,200	8,217	11,017	11,603	12,550	40	38	7,159	9,467	9,872	10,326	10,502
Nebraska	3,759	9,274	12,962	13,572	14,326	30	25	8,409	10,684	11,633	11,874	11,980
Kansas	3,770	9,941	13,828	14,503	15,126	17	21	8,434	11,453	12,389	12,689	12,658
South Atlantic	3,684	9,171	13,301	14,087	15,040	(x)	(x)	8,366	10,586	11,918	12,325	12,586
Delaware	4,587	10,249	14,690	15,406	16,696	14	9	10,262	11,808	13,073	13,559	13,872
Maryland	4,475	10,780	15,880	16,934	18,124	8	5	10,011	12,431	14,319	14,815	15,167
District of Columbia	5,250	12,322	17,756	18,876	20,457	(x)	(x)	11,745	14,198	15,910	16,514	17,118
Virginia	3,743	9,827	14,472	15,423	16,517	21	10	8,374	11,321	12,966	13,493	13,822
West Virginia	3,078	7,915	10,089	10,587	11,020	48	49	6,886	9,119	9,049	9,282	9,222
North Carolina	3,236	7,999	11,855	12,423	13,314	44	34	7,239	9,215	10,453	10,888	11,141
South Carolina	3,004	7,589	10,734	11,286	12,004	48	42	6,720	9,743	9,618	9,874	10,046
Georgia	3,377	8,348	12,818	13,454	14,300	38	28	7,555	9,818	11,308	11,771	11,867
Florida	3,943	9,764	13,921	14,622	15,584	24	16	8,821	11,249	12,474	12,793	13,041
East South Central	3,997	7,752	10,848	11,224	11,886	(x)	(x)	8,706	9,890	9,838	9,820	10,029
Kentucky	3,141	8,022	10,775	11,266	12,059	43	41	7,027	9,242	9,855	9,858	10,091
Tennessee	3,151	8,030	11,263	11,984	12,860	42	36	7,049	9,251	10,082	10,485	10,778
Alabama	2,945	7,704	10,705	11,293	11,940	47	43	6,588	8,879	9,592	9,880	9,992
Mississippi	2,597	6,826	9,239	9,863	10,292	50	50	5,810	7,979	8,279	8,454	8,613
West South Central	3,418	9,326	12,889	12,744	13,189	(x)	(x)	7,847	10,744	11,363	11,180	10,862
Arkansas	2,827	7,465	10,523	11,025	11,507	49	46	6,324	8,800	9,429	9,646	9,829
Louisiana	3,071	8,682	11,291	11,233	11,473	34	47	6,670	10,002	10,117	9,826	9,801
Oklahoma	3,438	9,383	12,124	12,249	12,551	26	36	7,687	10,821	10,864	10,717	10,503
Texas	3,629	9,798	12,466	13,494	13,866	22	33	8,119	11,266	12,088	11,806	11,603
Mountain	3,726	9,444	12,723	13,218	13,789	(x)	(x)	8,334	10,881	11,401	11,884	11,822
Montana	3,528	8,824	11,021	11,726	12,347	33	40	7,683	10,291	9,875	10,258	10,332
Idaho	3,467	8,589	10,823	11,172	11,888	36	45	7,756	9,872	9,886	9,774	9,931
Wyoming	3,797	11,339	12,827	12,723	12,708	6	37	8,494	13,083	11,494	11,131	10,636
Colorado	4,025	10,588	14,678	15,114	15,584	13	17	9,004	12,210	13,152	13,223	13,041
New Mexico	3,145	8,169	11,203	11,459	11,875	41	44	7,036	9,411	10,039	10,025	9,937
Arizona	3,789	9,172	12,955	13,679	14,315	32	26	8,477	10,567	11,808	11,968	11,879
Utah	3,297	7,952	10,642	10,868	11,366	45	48	7,376	9,161	9,538	9,568	9,511
Nevada	4,876	11,421	16,671	15,453	16,389	5	12	10,913	13,158	13,146	13,520	13,895
Pacific	4,814	11,543	16,486	16,244	17,208	(x)	(x)	10,321	13,088	13,878	14,212	14,388
Washington	4,165	10,725	14,080	14,866	15,589	9	15	9,318	12,356	12,589	13,006	13,054
Oregon	3,889	9,688	12,826	13,239	14,041	19	30	8,700	11,388	11,315	11,583	11,750
California	4,746	11,803	16,016	16,792	17,821	3	7	10,617	13,388	14,351	14,891	14,813
Alaska	5,073	13,835	18,726	18,378	18,230	1	4	11,349	15,939	16,780	16,078	15,255
Hawaii	4,944	10,617	13,867	14,663	15,679	11	14	11,080	12,232	12,426	12,848	13,121

X: Not applicable.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, August issues, and unpublished data.

**NO. 702. TOTAL PERSONAL INCOME AND PERSONAL INCOME PER CAPITA FOR SELECTED
METROPOLITAN AREAS: 1984 TO 1986**

[As defined June 30, 1986, CMSA—Consolidated Metropolitan Statistical Area; NECMA—New England County Metropolitan Area; MSA—Metropolitan Statistical Area. See text, section 1 and Appendix II. Minus sign (—) indicates decrease]

METROPOLITAN AREA, RANKED BY 1987 POPULATION ¹	TOTAL PERSONAL INCOME				PER CAPITA PERSONAL INCOME			
	1984 (mil. dol.)	1985 (mil. dol.)	1986 (mil. dol.)	Annual percent change 1985-86	1984 (dol.)	1985 (dol.)	1986 (dol.)	Per- centage of national average 1986
United States ²	3,781,163	3,328,348	3,528,588	6.3	15,118	13,919	14,639	100
New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA ³	296,236	317,663	343,124	8.0	16,724	17,869	19,236	131.4
Los Angeles-Anaheim-Riverside, CA CMSA	166,281	205,966	222,432	8.0	15,155	18,139	17,012	116.2
Chicago-Gary-Lake County (IL), IL-IN-WI CMSA	119,546	126,332	133,924	6.0	14,639	15,634	16,501	112.7
San Francisco-Oakland-San Jose, CA CMSA	102,338	110,421	117,968	6.8	17,931	19,029	20,070	137.1
Philadelphia-Wilmington-Trenton, PA-NJ-DE- MD CMSA	82,366	86,903	94,918	6.8	14,302	15,364	16,274	111.2
Detroit-Ann Arbor, MI CMSA	65,660	72,041	76,769	6.8	14,380	15,666	16,665	114.0
Boston-Lawrence-Salem-Lowell-Brockton, MA NECMA	59,929	64,616	70,237	8.7	16,196	17,411	18,988	129.5
Dallas-Fort Worth, TX CMSA	52,547	56,146	60,690	4.4	15,548	16,462	16,803	113.4
Washington, DC-MD-VA MSA	60,248	66,163	71,789	8.5	17,519	18,936	20,146	137.6
Houston-Galveston-Beaumont, TX CMSA	52,213	54,572	54,101	— .9	14,541	15,136	14,866	101.7
Miami-Fort Lauderdale, FL CMSA	40,407	43,650	47,010	7.7	14,274	16,239	16,144	110.3
Cleveland-Akron-Lorain, OH CMSA	36,667	40,646	42,560	4.7	13,643	14,650	15,369	105.1
Atlanta, GA MSA	34,062	36,221	42,012	9.9	14,324	15,479	16,406	112.1
St. Louis, MO-IL MSA	34,268	35,467	36,658	5.6	14,257	15,067	15,657	106.3
Seattle-Tacoma, WA CMSA	32,934	36,512	38,379	8.1	14,667	15,779	16,799	114.6
Minneapolis-St. Paul, MN-WI MSA	34,494	37,118	39,599	6.7	15,487	16,411	17,253	117.9
Baltimore, MD MSA	32,567	35,185	37,481	6.5	14,551	15,627	16,439	112.3
Pittsburgh-Beaver Valley, PA CMSA	30,739	31,952	33,209	3.8	12,972	13,667	14,336	97.9
San Diego, CA MSA	29,154	32,219	35,080	8.9	14,053	15,106	15,940	106.9
Tampa-St. Petersburg-Clearwater, FL MSA	23,511	25,714	27,833	8.2	12,927	13,747	14,539	99.3
Phoenix, AZ MSA	23,489	26,467	29,082	9.8	13,567	14,569	15,294	104.5
Denver-Boulder, CO CMSA	29,436	30,092	31,433	4.5	15,820	16,462	17,014	116.2
Cincinnati-Hamilton, OH-KY-IN CMSA	21,744	23,115	24,649	6.6	12,997	13,748	14,585	98.6
Milwaukee-Racine, WI CMSA	22,216	23,304	24,550	5.3	14,342	15,022	15,818	108.1
Kansas City, MO-KS MSA	20,654	22,315	23,670	6.1	13,962	14,865	15,565	106.5
Portland-Vancouver, OR-WA CMSA	17,995	18,088	20,212	5.9	13,447	14,139	14,818	101.2
Norfolk-Virginia Beach-Newport News, VA MSA	15,521	16,801	18,166	8.1	12,281	13,124	13,666	94.7
Sacramento, CA MSA	16,469	18,206	19,626	6.8	13,475	14,494	15,354	104.9
New Orleans, LA MSA	16,489	16,975	17,131	.9	12,406	12,764	12,836	87.7
Columbus, OH MSA	16,415	17,687	18,610	6.3	12,673	13,745	14,476	98.9
San Antonio, TX MSA	14,065	15,537	16,221	4.4	11,692	12,514	12,709	89.8
Indianapolis, IN MSA	15,739	16,884	18,000	6.5	13,176	14,039	14,844	101.4
Buffalo-Niagara Falls, NY CMSA	15,323	16,063	16,890	5.1	12,849	13,556	14,294	97.5
Hartford-New Britain-Middletown-Bristol, CT NECMA	17,361	16,745	20,405	8.8	16,275	17,416	18,534	126.7
Charlotte-Gastonia-Rock Hill, NC-SC MSA	12,634	13,969	15,206	8.8	12,442	13,257	14,273	97.5
Salt Lake City-Ogden, UT MSA	11,160	11,934	12,480	4.4	11,041	11,640	11,964	81.7
Rochester, NY MSA	13,965	14,990	15,854	6.0	14,296	15,336	16,172	110.5
Oklahoma City, OK MSA	12,614	13,242	13,257	.2	13,191	13,525	13,497	92.2
Memphis, TN-AR-MS MSA	11,193	12,001	12,639	7.0	11,635	12,631	13,360	91.4
Louisville, KY-IN MSA	11,922	12,527	13,187	5.3	12,371	13,000	13,697	93.6
Nashville, TN MSA	11,082	12,200	13,261	6.7	12,392	13,392	14,246	97.3
Dayton-Springfield, OH MSA	11,953	12,763	13,486	5.5	12,664	13,737	14,449	98.7
Orlando, FL MSA	10,594	11,801	13,001	10.2	12,791	13,660	14,471	96.9
Birmingham, AL MSA	10,412	11,231	11,935	6.3	11,619	12,417	13,099	89.5
Greensboro-Winston-Salem-High Point, NC MSA	11,262	12,142	13,044	7.4	12,730	13,676	14,501	98.1
Providence-Pawtucket-Woonsocket, RI NECMA	11,337	11,697	12,603	6.7	12,832	13,591	14,385	96.3
Jacksonville, FL MSA	9,935	10,911	11,780	7.8	12,448	13,219	13,792	94.2
Albany-Schenectady-Troy, NY MSA	11,089	11,807	12,686	7.5	13,250	14,071	15,041	102.7

X Not applicable ¹ For 1987 population, see table 36. ² Includes other areas not listed separately. ³ Includes Bridgeport-Stamford-Norwalk-Danbury, CT NECMA.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, April issues, and unpublished data.

NO. 703. PERCENT DISTRIBUTION AND AVERAGE ANNUAL PERCENT CHANGE OF SHARES OF NATIONAL INCOME, BY TYPE: 1970 TO 1987

[For definition of average annual percent change, see Guide to Tabular Presentation]

TYPE OF INCOME	PERCENT DISTRIBUTION						AVERAGE ANNUAL PERCENT CHANGE				
	1970	1975	1980	1980	1980	1987	1975-1975	1975-1980	1980-1985	1985-1980	1985-1987
National income, total.....	100.0	100.0	100.0	100.0	100.0	100.0	8.1	11.3	8.0	6.3	7.0
Compensation of employees.....	74.3	73.6	74.3	73.2	72.9	72.9	8.9	11.5	7.6	5.9	7.0
Wages and salaries.....	66.2	63.2	62.3	61.1	60.9	61.1	8.1	11.0	7.6	8.0	7.4
Supplements to wages, salaries.....	8.0	10.4	12.1	12.1	12.0	11.8	14.9	14.7	8.1	5.3	5.3
Proprietors' income ¹	9.6	9.7	8.2	7.9	8.3	8.5	9.4	7.6	7.2	12.0	9.1
Farm.....	1.8	2.0	.9	.9	1.1	1.2	11.6	-4.2	9.1	20.5	18.1
Nonfarm.....	7.9	7.8	7.3	7.0	7.3	7.3	8.9	8.9	7.1	10.9	7.9
Rental income of persons ²	2.2	1.0	.3	.3	.4	.5	-5.8	-13.3	8.9	34.8	48.4
Corporate profits ¹	9.0	9.1	8.0	8.7	8.7	8.4	9.5	8.5	9.8	5.9	3.8
Profits before tax.....	9.1	10.5	10.8	8.9	8.9	7.5	12.1	12.0	-1.1	5.4	17.0
Profits after tax.....	5.0	6.5	8.9	4.0	3.8	3.9	15.0	12.7	-3.5	1.8	10.1
Inventory valuation adjustment.....	-.6	-.9	-2.0	(-Z)	.2	-.5	(X)	(X)	(X)	(X)	(X)
Capital consumption adjustment.....	.6	-.5	-.8	1.8	1.6	1.4	(X)	(X)	28.9	-9.2	-4.6
Net interest.....	4.9	6.5	9.1	9.9	9.7	9.6	15.3	19.1	9.7	4.0	6.5

X Not applicable. Z Less than .05 percent. ¹ With inventory valuation and capital consumption adjustments. ² With capital consumption adjustment.

Source: Compiled by U.S. Bureau of the Census, based on data from U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July issues.

NO. 704. FLOW OF FUNDS ACCOUNTS—COMPOSITION OF INDIVIDUALS' SAVINGS: 1970 TO 1987

[In billions of dollars. Combined statement for households, farm and nonfarm, noncorporate business, nonprofit organizations, and personal trusts. Minus sign (-) indicates decrease. See *Historical Statistics, Colonial Times to 1970*, series F 508-504, for similar but not exactly comparable data]

COMPOSITION OF SAVINGS	1970	1975	1980	1980	1980	1984	1980	1980	1987
Increase in financial assets.....	83.3	182.3	314.5	391.9	468.5	544.1	549.3	534.6	416.6
Checkable deposits and currency.....	8.9	6.1	11.2	18.0	37.0	16.7	39.3	101.0	18.3
Time and savings deposits.....	43.6	77.7	122.9	117.8	196.7	221.5	129.8	104.1	93.0
Money market fund shares.....	-	1.3	24.5	32.8	-31.1	44.0	12.1	42.6	27.9
Securities.....	.4	14.2	4.0	57.8	92.4	73.4	125.9	37.2	77.1
U.S. savings bonds.....	.3	4.0	-7.3	.2	3.1	3.0	5.3	13.6	7.8
Other U.S. Treasury securities.....	-11.5	14.6	26.0	52.5	66.8	78.5	25.8	-2.6	25.7
U.S. Government agency securities.....	6.1	-4.1	4.9	-1.0	-10.5	15.3	28.2	-11.0	14.2
Tax-exempt obligations.....	-.9	6.2	7.0	24.7	39.1	29.5	47.9	-8.2	55.7
Corporate and foreign bonds.....	10.7	8.3	-13.2	(Z)	-11.6	5.2	11.8	34.7	23.0
Open-market paper.....	-3.7	-11.2	-2.4	-13.6	1.4	-.1	39.9	-10.4	5.0
Mutual fund shares.....	2.0	-.4	1.1	7.0	24.0	24.0	66.8	154.1	68.6
Other corporate equities.....	-2.6	-3.5	-12.0	-12.1	-18.9	-80.0	-102.7	-132.8	-122.7
Private life insurance reserves.....	5.2	7.9	9.7	7.0	7.8	5.0	10.4	17.2	15.2
Private insured pension reserves.....	2.9	8.7	22.3	39.7	36.8	48.7	63.4	77.5	60.4
Private noninsured pension reserves.....	7.2	40.2	51.2	48.5	53.5	36.8	48.4	28.3	14.1
Government insurance and pension reserves.....	8.9	15.1	35.3	43.9	53.5	63.9	72.3	78.7	86.4
Miscellaneous financial assets.....	6.3	11.1	33.4	28.7	19.8	35.9	47.8	48.0	26.0
Gross investment in tangible assets.....	189.6	236.4	403.4	434.0	606.1	967.7	636.0	791.9	732.6
Owner-occupied homes.....	28.1	51.9	113.6	59.9	124.9	154.6	159.7	182.0	205.3
Other fixed assets ¹	38.4	45.1	79.6	94.8	98.8	101.5	102.8	107.2	96.6
Consumer durables.....	85.7	135.4	219.3	252.7	289.1	335.6	366.7	402.4	413.7
Inventories ¹.....	.4	4.0	-9.1	-3.4	-7.6	16.1	3.8	9.4	16.9
Capital consumption allowances.....	162.9	173.0	311.1	606.1	961.0	399.3	434.0	460.4	463.5
Owner-occupied homes.....	13.5	24.4	47.0	54.3	57.0	60.0	64.4	67.1	70.0
Other fixed assets ¹	23.7	41.6	76.8	96.5	96.4	102.6	105.7	108.3	114.3
Consumer durables.....	65.8	107.0	187.4	215.4	226.4	236.7	254.6	275.0	299.2
Net investment in tangible assets.....	47.6	63.4	92.3	66.8	123.2	268.4	210.4	369.3	248.9
Owner-occupied homes.....	14.6	27.5	66.6	35.6	67.8	94.6	95.4	114.9	135.3
Other fixed assets ¹	12.7	3.5	2.9	-.6	.3	-1.1	-2.9	-1.1	-17.7
Consumer durables.....	19.9	28.4	31.9	37.2	62.7	66.8	114.1	127.4	114.5
Inventories ¹.....	.4	4.0	-9.1	-3.4	-7.6	16.1	3.8	9.4	16.9
Net increase in debt ²	41.4	76.7	175.6	142.9	289.8	331.5	363.7	363.7	332.2
Mortgage debt on nonfarm homes.....	13.4	38.2	96.4	49.5	110.8	129.0	151.0	197.4	209.3
Other mortgage debt ¹	18.6	18.4	33.1	37.1	69.3	87.7	86.3	100.6	90.2
Consumer credit.....	5.5	9.1	2.9	19.3	56.6	90.4	94.6	66.6	41.8
Security credit.....	-1.8	.7	6.5	3.8	8.4	-3.1	16.7	8.6	-14.1
Other debt ¹	5.4	8.6	30.1	28.1	33.9	27.0	45.2	20.5	5.4
Individuals' saving.....	83.3	168.0	231.2	318.8	311.7	421.9	363.1	289.9	333.2
Less: Government insurance and pension reserve.....	8.9	15.1	35.3	43.9	53.5	63.9	72.3	78.7	66.4
Net investment in consumer durables.....	19.9	28.4	31.9	37.2	62.7	66.8	114.1	127.4	114.5
Capital gains dividends from mutual funds.....	.9	.2	1.8	2.4	4.4	6.0	4.9	17.5	22.4
Net saving by farm corporations.....	(Z)	.5	.5	.5	.6	.7	.9	.6	.9
Equals: Personal saving, flow of funds basis ²	89.8	124.8	161.6	234.8	199.5	251.9	174.0	168.4	128.9

- Represents zero. Z Less than \$60 million. ¹ Includes corporate farms. ² Includes items not shown separately.
² Personal saving on national income account basis measures personal saving as income less taxes and consumption; flow-of-funds basis measures the same concept from acquisition of assets less borrowing.

Source: Board of Governors of the Federal Reserve System, *Flow of Funds Accounts*, quarterly.

**NO. 706. ANNUAL GROWTH RATES OF REAL GROSS DOMESTIC PRODUCT—INTERNATIONAL
COMPARISONS, SELECTED PERIODS: 1950-55 TO 1985-86**

[In percent. See also *Historical Statistics, Colonial Times to 1970*, series F 10-16. Minus sign (-) indicates decline]

COUNTRY	1950- 55	1955- 70	1970- 75	1975- 80	1980- 85	1975- 79	1975- 80	1980- 81	1981- 83	1983- 85	1985- 86	1986- 88	
United States.....	3.2	3.8	2.3	2.8	3.0	2.0	-	3.7	-2.6	4.0	7.0	3.1	3.0
Per capita.....	1.8	2.5	1.2	1.7	2.0	.9	-1.2	2.8	-3.5	3.0	6.0	2.2	2.0
Canada.....	4.5	5.2	5.2	4.8	2.8	3.9	1.8	3.7	-3.2	3.2	6.3	4.2	3.3
Per capita.....	2.7	3.3	3.9	3.3	1.7	2.9	.2	2.4	-4.4	2.2	5.9	3.3	2.1
France.....	4.1	5.8	4.0	3.6	1.5	3.2	1.8	1.2	2.5	.7	1.4	1.7	2.1
Per capita.....	3.3	4.5	3.2	3.0	1.0	2.8	1.1	.8	2.0	.2	1.0	1.3	1.7
Italy.....	4.2	5.7	2.4	3.1	1.8	4.9	3.9	1.1	.2	.5	3.5	2.7	2.7
Per capita.....	3.7	5.0	1.7	2.6	1.4	4.8	3.7	1.0	-	.1	3.2	2.8	2.6
Japan.....	7.0	10.5	4.3	4.6	3.9	5.2	4.4	3.9	2.8	3.2	5.0	4.5	2.4
Per capita.....	5.9	9.3	2.8	3.4	3.2	4.3	3.8	3.1	2.2	2.4	4.3	3.9	1.9
United Kingdom.....	2.4	2.8	2.1	1.8	1.5	2.1	-2.1	-1.2	1.1	3.5	2.0	3.7	2.8
Per capita.....	2.1	2.2	1.9	1.5	1.7	2.0	-2.2	-1.3	1.2	3.4	1.8	3.5	2.7
West Germany.....	4.4	4.5	2.1	2.7	1.9	4.2	1.4	.2	-.6	1.5	2.7	2.6	2.5
Per capita.....	3.7	3.8	1.7	2.5	1.4	4.1	1.0	-	-.5	1.8	3.2	2.9	2.5

- Represents zero. ¹ Initial year 1951. ² Initial year 1952.

Source: U.S. Bureau of Economic Analysis. Adapted from *Long Term Economic Growth, 1950-1970*, using data from the Organization for Economic Cooperation and Development.

**NO. 706. GROSS DOMESTIC PRODUCT OF SELECTED COUNTRIES AS PERCENT OF UNITED STATES:
1970 TO 1986**

[Comparisons are based on constant (1980) price data converted to U.S. dollars using 1980 exchange rates. See text, section 14]

COUNTRY	GROSS DOMESTIC PRODUCT								PER CAPITA GROSS DOMESTIC PRODUCT							
	1970	1975	1980	1982	1983	1984	1985	1986	1970	1975	1980	1982	1983	1984	1985	1986
United States.....	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Canada.....	8	9	10	10	10	10	10	10	70	90	93	92	91	90	91	91
France.....	23	25	25	25	25	25	23	22	92	101	104	106	105	100	99	98
Italy.....	16	17	17	17	16	16	16	16	63	64	68	70	68	66	66	67
Japan.....	33	36	38	42	41	40	41	41	65	70	77	82	81	80	81	81
United Kingdom.....	22	22	20	20	20	19	19	19	60	63	60	61	61	75	79	80
West Germany.....	30	30	30	30	29	28	28	28	103	105	112	112	111	108	108	109

Source: U.S. Bureau of Economic Analysis. Adapted from *Long Term Economic Growth, 1950-1970*, using data from the Organization for Economic Cooperation and Development.

NO. 707. SELECTED INTERNATIONAL ECONOMIC INDICATORS: 1970 TO 1987

[Data cover gross national product (GNP) at market prices, except for France, Italy, and the United Kingdom, which relate to gross domestic product. Gross fixed capital formation covers private and government sectors except military. Savings data are calculated by deducting outlays—such as personal consumption expenditures, interest paid, and transfer payments to foreigners—from disposable personal income. Minus sign (-) indicates decline]

YEAR	United States	France	West Germany	Italy	Netherlands	United Kingdom	Japan	Canada
GNP growth rates¹ (constant 1982 prices):								
1970.....	-3	5.7	5.0	5.3	(NA)	2.2	9.9	2.5
1980.....	-2	1.0	1.5	3.9	.8	-2.3	4.3	1.1
1983.....	3.8	7	1.5	-4	1.3	3.8	3.2	3.3
1984.....	6.8	1.5	3.0	2.8	1.7	2.0	5.1	4.7
1985.....	3.0	1.3	2.4	2.7	2.0	3.0	4.5	4.9
1986.....	2.9	2.1	2.5	2.9	1.7	2.9	2.5	3.1
1987.....	2.9	2.2	1.7	3.1	2.4	3.8	4.4	5.2
Ratio of gross fixed capital formation to GNP (current prices):								
1970.....	17.7	23.3	25.5	23.1	(NA)	18.3	35.8	21.0
1980.....	19.0	21.8	22.8	19.8	21.1	18.1	32.0	23.3
1983.....	17.1	19.8	20.6	18.0	18.1	15.4	28.2	19.9
1984.....	17.9	19.0	20.2	17.9	18.5	17.4	27.8	18.9
1985.....	18.0	18.8	19.5	18.2	18.4	17.1	27.6	19.2
1986.....	17.8	18.1	18.3	20.2	19.6	18.9	27.8	19.5
1987.....	17.2	19.4	19.2	19.9	20.0	18.9	28.8	20.4
Ratio of savings to disposable personal income:								
1970.....	8.1	16.7	14.7	² 21.5	14.0	9.6	16.2	6.3
1980.....	7.1	14.8	14.1	22.0	10.9	14.3	19.2	12.3
1983.....	5.4	14.9	12.5	22.8	13.0	10.6	17.3	13.3
1984.....	6.1	13.5	13.0	23.0	14.0	10.7	16.0	13.2
1985.....	4.5	12.3	12.7	19.7	12.4	9.3	16.0	13.8
1986.....	4.3	12.2	13.3	19.0	13.0	7.4	(NA)	11.5
1987.....	3.7	(NA)	13.4	(NA)	(NA)	5.8	(NA)	9.3

NA Not available. ¹ Growth rates represent percentage change from preceding year. ² Estimated.

Source: U.S. Dept. of Commerce, International Trade Administration, Office of Trade and Investment Analysis, official trade statistics of listed countries.

No. 708. AVERAGE ANNUAL INCOME AND EXPENDITURES OF ALL CONSUMER UNITS: 1986

[In dollars. Based on Consumer Expenditure Interview Survey; see text, section 14, for description of survey. In interpreting the expenditure data, several factors should be considered. First, the data are averages for the total civilian noninstitutional population. Second, expenditures reported here are direct out-of-pocket expenditures. Third, approximately 36 percent of all expenditures are covered in the interview survey. Excluded are nonprescription drugs, household supplies and personal care items. The interview survey must be integrated with the Diary survey to provide a complete picture of expenditures.]

CHARACTERISTIC	Income before taxes ¹	Total expenditures	Food	Alcoholic beverages	HOUSING				Apparel and services	TRANSPORTATION			Life insurance	Retirement, pensions, Social Security	Other expenditures ²	Personal taxes
					Total	Shelter	Fuel, utilities, and public services	Household operations and furnishings		Vehicles	Gasoline and motor oil	All other transportation ²				
All consumer units.....	25,461	22,710	3,906	273	3,906	3,906	1,646	1,266	1,149	2,340	916	1,836	293	1,836	3,091	2,299
Age of reference person:																
Under 25 years old.....	12,445	13,763	2,026	335	4,122	2,654	795	672	871	1,675	655	1,006	63	777	1,897	919
25-34 years old.....	25,631	22,500	3,117	364	7,473	4,586	1,510	1,375	1,161	2,587	919	1,546	223	1,967	2,469	2,396
35-44 years old.....	34,232	29,597	4,410	300	9,109	5,444	1,937	1,727	1,596	3,019	1,146	1,967	369	2,697	3,966	3,099
45-54 years old.....	33,447	30,577	4,439	325	8,446	4,960	2,060	1,432	1,561	3,406	1,219	2,214	444	2,918	4,412	3,360
55-64 years old.....	26,413	23,782	3,563	241	6,584	3,442	1,863	1,239	1,125	2,269	1,019	1,672	403	2,247	3,376	2,946
65-74 years old.....	17,893	16,896	2,767	151	4,995	2,469	1,593	933	710	1,396	867	1,151	316	539	2,647	1,187
75 years old and over.....	12,467	11,746	1,975	67	4,076	2,007	1,349	720	416	650	360	666	116	146	1,561	732
Region of residence:																
Northeast.....	26,594	23,856	3,612	329	7,340	4,377	1,720	1,244	1,301	2,269	621	1,651	243	1,863	3,036	2,243
Midwest.....	23,325	21,356	3,114	257	6,232	3,339	1,722	1,171	1,116	2,364	867	1,366	282	1,711	3,034	1,900
South.....	24,567	21,570	3,114	216	6,394	3,515	1,861	1,217	1,049	2,355	964	1,444	336	1,739	2,845	2,300
West.....	26,602	25,160	3,626	329	8,094	5,209	1,439	1,446	1,202	2,253	1,900	1,676	266	2,116	3,360	2,607
Size of consumer unit:																
One person.....	14,246	13,309	1,997	277	4,415	2,607	1,005	603	712	956	471	910	100	867	1,922	1,462
Two persons.....	26,686	23,442	3,244	287	8,995	3,999	1,663	1,315	1,106	2,449	922	1,622	349	1,926	3,299	2,703
Three persons.....	29,532	26,540	3,766	272	7,843	4,367	1,509	1,546	1,354	3,107	1,102	1,645	349	2,309	3,446	2,524
Four persons.....	35,742	30,610	4,672	266	9,303	5,269	2,130	1,664	1,579	3,346	1,251	2,104	423	2,714	3,751	2,607
Five persons.....	31,674	29,006	4,960	247	8,269	4,631	2,117	1,521	1,537	3,062	1,304	1,937	406	2,306	3,734	2,152
Six persons or more.....	29,795	26,944	5,396	199	8,573	4,779	2,260	1,514	1,517	3,042	1,404	1,660	360	1,974	3,434	1,740
Income before taxes:																
Complete income reporters ¹	25,491	23,084	3,346	277	6,935	4,013	1,641	1,261	1,163	2,341	925	1,561	302	2,026	3,109	2,290
Quintiles of income:																
Lowest 20 percent.....	3,806	11,252	2,059	159	3,803	2,145	1,150	509	574	992	469	645	136	194	1,593	144
Second 20 percent.....	10,767	13,749	2,406	159	4,542	2,560	1,366	625	625	1,157	659	697	163	513	1,704	366
Third 20 percent.....	19,534	19,821	3,009	262	6,070	3,490	1,530	1,050	963	1,960	906	1,410	229	1,362	2,571	1,391
Fourth 20 percent.....	31,630	26,640	3,766	314	7,607	4,356	1,631	1,416	1,293	2,896	1,169	1,946	410	2,660	3,457	2,676
Highest 20 percent.....	61,439	43,653	5,476	469	12,626	7,496	2,337	2,794	2,364	4,845	1,366	3,046	571	5,393	6,204	6,621
Incomplete reporting of income.....	(¹)	19,360	3,512	240	8,465	3,747	1,662	1,035	1,029	2,332	642	1,273	213	149	2,345	(¹)

¹ Income values are derived from "complete income reporters" only. Represents the combined income of all consumer unit members 14 years or over during the 12 months preceding the interview. A complete reporter is a consumer unit providing values for at least one of the major sources of income. ² Includes other vehicle expenses and public transportation. ³ Includes entertainment, personal care, reading, education, tobacco and smoking supplies, cash contributions, and miscellaneous expenditures. For data on entertainment and reading, see table 378.

NO. 709. ANNUAL INCOME AND AVERAGE WEEKLY EXPENDITURES OF ALL CONSUMER UNITS BY SELECTED CHARACTERISTICS: 1986

[In dollars. Based on Consumer Expenditure Diary Survey; see text, section 14, for description of survey]

CHARACTERISTIC	Income before taxes ¹	AVERAGE WEEKLY EXPENDITURES															
		Food, total	Food at home								Food away from home	Alcoholic beverages	Tobacco products and smoking supplies	Personal care products and services	Non-prescription drugs and supplies	House-keeping supplies	
			Total	Cereal and bakery products	Beef and pork	Poultry and other meats	Fish, sea food, and eggs	Milk, cream, ² and other dairy products	Fresh fruits and vegetables	Pro-cessed fruits and vegetables							Other food at home ³
All consumer units.....	25,734	59.60	37.73	8.29	5.88	3.16	1.79	4.82	3.73	2.41	10.85	21.87	4.84	3.60	5.01	2.31	6.07
Age of reference person:																	
Under 25 years old.....	12,542	36.46	19.18	2.71	2.67	1.46	.79	2.72	1.45	1.17	6.21	17.26	5.31	2.49	2.65	1.13	2.82
25-34 years old.....	26,766	59.01	35.63	4.92	5.22	2.99	1.55	4.74	3.20	2.27	10.75	23.37	8.46	3.71	4.69	1.54	5.56
35-44 years old.....	38,085	77.43	48.10	6.90	7.72	3.95	2.11	9.25	4.32	2.99	13.84	29.33	5.12	4.51	6.43	2.32	7.90
45-54 years old.....	34,916	78.22	50.75	6.36	8.48	4.34	2.85	6.19	4.77	3.18	14.26	27.47	5.76	5.07	6.35	2.79	7.48
55-64 years old.....	27,468	69.26	49.23	5.45	6.61	3.35	2.14	4.87	4.51	2.61	10.71	20.05	4.41	3.85	5.59	3.47	6.32
65-74 years old.....	16,213	45.97	31.12	4.43	4.49	2.73	1.67	3.89	3.95	2.18	7.83	14.84	2.85	2.58	4.44	2.77	6.26
75 years old and over.....	12,637	34.69	25.64	4.09	3.65	2.01	1.21	3.32	3.26	1.74	6.34	9.25	1.19	1.19	2.99	2.50	3.84
Region of residence:																	
Northeast.....	27,631	65.75	41.55	5.84	6.27	3.94	2.28	5.36	4.39	2.71	10.76	24.20	5.79	3.85	4.96	2.16	8.13
Midwest.....	23,180	57.17	35.93	5.96	5.71	2.97	1.31	4.84	3.28	2.24	10.50	21.24	4.53	3.91	4.85	2.66	6.14
South.....	24,240	54.45	34.35	4.84	5.59	2.67	1.70	4.18	3.15	2.30	9.92	20.10	3.75	3.65	4.84	2.23	5.46
West.....	28,369	64.61	41.82	5.83	8.07	3.02	2.05	5.52	4.55	2.30	11.86	23.09	6.04	3.06	5.54	2.16	6.92
Size of consumer unit:																	
One person.....	13,521	31.40	16.55	2.40	2.09	1.34	.84	2.15	1.93	1.16	4.62	14.85	4.66	1.96	2.96	1.52	3.15
Two persons.....	26,422	58.72	35.80	4.79	5.69	2.86	1.76	4.42	3.69	2.27	9.89	22.92	5.40	3.81	5.53	2.80	6.30
Three persons.....	31,086	63.74	44.95	6.12	7.33	3.75	2.13	5.50	4.12	2.82	13.18	24.79	4.50	4.56	6.03	2.82	7.21
Four persons.....	34,709	60.96	54.03	7.76	8.34	4.66	2.44	7.10	4.71	3.45	15.84	26.93	4.49	4.34	5.84	2.42	6.42
Five persons.....	31,114	66.89	63.44	9.27	10.49	5.53	2.99	8.29	5.57	3.67	17.42	25.43	4.13	5.32	8.11	2.07	8.19
Six persons or more.....	33,846	101.75	73.37	10.91	11.61	5.86	3.27	10.23	6.63	4.70	20.14	28.36	4.49	4.35	8.95	3.07	8.74
Income before taxes:																	
Complete reporters of income ¹	25,784	61.25	38.71	5.49	6.98	3.19	1.90	4.96	3.75	2.49	11.06	22.54	5.09	3.81	5.26	2.61	6.36
Quintiles of income:																	
Lowest 20 percent.....	4,281	32.76	23.67	3.53	3.76	2.06	1.26	2.90	2.41	1.61	6.15	9.10	2.46	2.53	2.23	1.41	3.17
Second 20 percent.....	11,216	44.72	31.10	4.45	4.72	2.73	1.34	4.13	2.99	1.99	8.76	13.82	3.31	3.56	3.66	2.69	4.75
Third 20 percent.....	19,867	57.47	37.19	5.21	5.79	3.02	1.77	4.76	3.49	2.40	10.75	20.26	4.90	4.54	4.72	2.53	5.51
Fourth 20 percent.....	31,355	73.49	45.74	8.36	7.23	3.76	2.05	5.92	4.29	2.80	13.26	27.75	6.17	4.50	6.59	1.92	8.36
Highest 20 percent.....	62,040	97.71	55.79	7.96	6.36	4.31	2.54	7.09	5.84	3.67	16.36	41.91	8.60	3.69	8.91	4.50	10.10
Incomplete reporting of income.....	(¹)	52.86	33.75	4.46	5.36	3.02	1.79	4.29	3.66	2.10	9.02	19.13	3.84	2.76	3.97	1.06	4.82

¹ Income values are derived from "complete income reporters" only. Represents the combined income of all consumer unit members 14 years old or over during the 12 months preceding the interview. A complete reporter is a consumer unit providing at least one of the major sources of its income. ² Fresh milk and cream. ³ Includes sugar and other sweets, fats and oils, miscellaneous foods and nonalcoholic beverages.

NO. 710. AVERAGE ANNUAL AND WEEKLY EXPENDITURES OF ALL CONSUMER UNITS: 1980 TO 1986

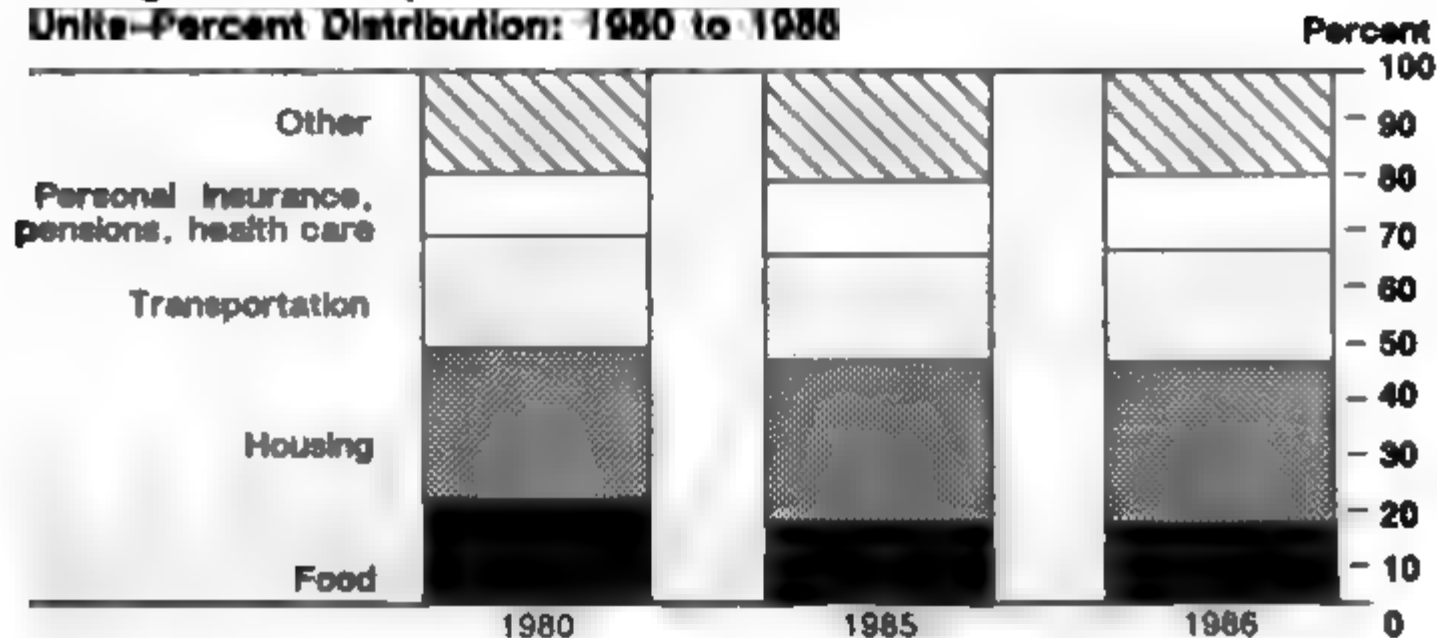
[In dollars except as indicated. Based on Consumer Expenditure Interview Survey and Diary Survey; see headnotes, tables 700 and 708. For explanation of average annual percent change, see Guide to Tabular Presentation. Minus sign (-) indicates decrease.]

ITEM	1980	1984	1985	1986	AVERAGE ANNUAL PERCENT CHANGE		
					1980-84	1984-85	1985-86
AVERAGE ANNUAL EXPENDITURES ¹							
All consumer units (1,000)	82,082	80,223	81,884	83,741	2.4	1.5	2.4
Age of reference person (years)	45.9	46.7	46.6	46.7	(X)	(X)	(X)
Number of persons in consumer unit	2.7	2.6	2.6	2.6	(X)	(X)	(X)
Number in consumer unit:							
Earners	1.4	1.4	1.4	1.4	(X)	(X)	(X)
Vehicles	2.0	1.9	1.9	2.0	(X)	(X)	(X)
Children under 18	.8	.7	.7	.7	(X)	(X)	(X)
Persons 65 and over	.3	.3	.3	.3	(X)	(X)	(X)
Total expenditures	16,164	20,910	22,217	22,710	6.6	6.3	2.2
Food	3,118	3,280	3,394	3,363	1.3	3.5	.9
Housing	4,643	6,264	6,667	6,886	7.9	6.4	3.0
Shelter	2,530	3,494	3,840	3,986	8.4	9.9	3.8
Utilities, fuel and public service	1,178	1,638	1,648	1,646	6.6	.6	.1
Household furnishings and operations	834	1,152	1,200	1,256	5.4	4.2	4.7
Apparel and services	846	1,107	1,161	1,149	7.0	4.9	-1.0
Transportation	3,409	4,264	4,556	4,615	5.8	6.6	5.7
Vehicles	1,181	1,813	2,043	2,340	11.3	12.7	14.5
Gas and motor oil	1,202	1,058	1,035	916	-2.9	-2.2	-11.5
Other transportation	1,027	1,392	1,478	1,559	7.9	6.2	5.5
Health care	726	861	1,037	1,062	7.8	5.7	2.4
Personal insurance and pensions	1,161	1,897	2,016	2,129	13.1	6.3	5.6
All other ²	2,262	3,098	3,368	3,304	8.0	8.7	-1.9
AVERAGE WEEKLY EXPENDITURES ³							
Food, total	48.36	57.13	59.92	59.60	4.2	4.9	.5
Food at home, total	33.45	37.31	36.60	37.73	2.6	3.5	-2.3
Cereal and bakery products	4.27	5.05	5.44	5.26	4.3	7.7	-2.8
Meats, poultry, fish and eggs	11.58	11.26	11.14	10.81	.7	-1.1	-3.0
Dairy products	4.47	4.87	5.12	4.82	2.2	5.1	-5.9
Fruits and vegetables	4.92	6.03	6.19	6.14	5.2	2.7	.8
Other foods at home	8.20	10.11	10.71	10.65	5.4	5.8	.6
Food away from home	14.94	19.81	21.32	21.87	7.3	7.6	2.6
Alcoholic beverages	4.97	4.83	5.52	4.84	.2	12.0	-12.3
Tobacco products and smoking supplies	2.79	3.48	3.78	3.60	5.7	8.6	-4.8
Personal care products and services	3.74	4.54	4.94	5.01	5.0	8.8	1.4
Nonprescription drugs and supplies	1.50	1.95	2.49	2.31	6.6	27.7	-7.2
Housekeeping supplies	4.04	5.90	6.24	6.07	7.9	5.8	2.7

X Not applicable. ¹ Based on Interview Survey. ² Includes alcoholic beverages, entertainment, personal care services, reading, education, tobacco and smoking supplies, miscellaneous expenditures, and cash contributions. ³ Based on Diary Survey.

Source: U.S. Bureau of Labor Statistics, *Consumer Expenditure Survey: Results from 1986* (BLS News Release, U.S.D.L. 86-175.)

Figure 14.2
Average Annual Expenditures of All Consumer Units—Percent Distribution: 1980 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 710.

NO. 711. MONEY INCOME OF HOUSEHOLDS—PERCENT DISTRIBUTION BY INCOME LEVEL IN CONSTANT (1987) DOLLARS, BY RACE AND HISPANIC ORIGIN OF HOUSEHOLDER: 1970 TO 1987

[Households as of March of following year. Based on Current Population Survey; see text, sections 1 and 14, and Appendix III. Hispanic persons may be of any race. For definitions of household and race, see text, section 1. For definition of median, see Guide to Tabular Presentation.]

RACE AND HISPANIC ORIGIN OF HOUSEHOLDER AND YEAR	Number of households (1,000)	PERCENT DISTRIBUTION, BY INCOME LEVEL								Median income (dol.)
		Under \$5,000	\$5,000-\$9,999	\$10,000-\$14,999	\$15,000-\$19,999	\$20,000-\$24,999	\$25,000-\$34,999	\$35,000-\$49,999	\$50,000 and over	
ALL HOUSEHOLDS ¹										
1970	84,778	7.7	10.7	9.9	12.5	8.2	25.0	13.3	12.8	25,583
1975	72,867	8.4	12.3	11.0	10.5	10.0	21.0	15.2	13.6	24,917
1980	82,368	7.8	11.5	11.3	10.8	10.0	17.8	17.1	14.1	24,426
1982	83,918	8.1	12.2	11.5	10.8	10.2	17.1	18.1	14.0	23,750
1983	85,290	7.8	11.9	11.8	10.8	10.1	18.7	18.2	14.8	23,976
1984	86,789	7.3	12.1	11.3	10.6	9.8	18.9	18.2	15.0	24,526
1985	88,458	7.3	11.8	10.9	10.4	9.8	18.8	18.3	15.7	24,352
1986	88,479	7.2	11.9	10.7	10.1	9.4	18.4	18.9	18.1	25,807
1987	91,088	6.9	11.5	10.8	10.0	9.2	18.1	17.2	18.5	25,986
WHITE										
1970	57,575	7.0	8.9	8.3	12.3	6.1	25.8	13.9	13.8	26,826
1975	64,392	5.8	11.4	10.8	10.4	8.9	21.8	15.9	14.5	26,058
1980	71,872	6.7	10.7	10.6	10.5	10.1	18.1	18.0	15.1	25,770
1982	73,182	8.9	11.3	11.1	10.8	10.4	17.8	18.9	15.1	24,885
1983	74,170	8.8	10.9	11.3	10.7	10.3	17.9	17.0	15.9	25,138
1984	75,328	6.0	11.1	10.8	10.5	8.8	17.4	17.1	17.1	25,874
1985	76,578	6.0	11.1	10.6	10.3	8.9	17.3	17.0	17.9	25,315
1986	77,284	5.9	10.6	10.3	10.0	8.5	18.9	17.8	18.3	27,131
1987	78,488	5.4	10.7	10.3	10.0	8.2	18.7	18.1	19.7	27,427
BLACK										
1970	6,180	14.8	17.8	14.1	15.1	8.7	17.5	7.4	4.7	18,208
1975	7,489	13.5	21.0	14.0	11.5	10.8	15.8	6.8	4.9	15,643
1980	8,847	18.8	18.4	14.8	11.4	8.3	13.2	9.8	5.5	14,846
1982	8,918	18.4	18.3	15.0	11.0	8.0	13.3	9.8	4.2	14,082
1983	9,243	18.5	18.5	14.3	11.8	8.8	12.3	9.8	5.8	14,229
1984	9,480	17.0	18.3	14.7	11.5	8.0	12.7	8.3	6.8	14,740
1985	9,797	16.4	18.2	13.7	12.0	8.6	13.2	10.3	7.0	15,668
1986	9,922	18.0	17.3	13.3	10.8	8.3	13.0	10.8	7.8	15,831
1987	10,188	17.9	17.7	13.3	11.0	8.7	12.2	10.8	7.5	15,475
HISPANIC										
1975	2,848	8.8	15.2	15.7	13.4	11.6	18.1	10.5	5.5	18,720
1980	3,908	10.5	14.8	15.1	13.0	11.0	15.8	13.1	7.2	18,838
1982	4,086	10.8	17.4	14.6	12.8	10.6	15.1	11.9	8.9	17,871
1983	4,888	11.0	17.4	13.9	12.9	10.9	15.3	11.8	8.9	18,017
1984	4,883	11.4	18.0	13.9	11.9	10.3	18.3	12.4	7.9	18,582
1985	5,213	10.2	17.0	14.4	11.8	10.7	15.7	11.7	8.8	18,451
1986	5,418	10.7	15.0	14.6	11.8	10.2	15.4	12.4	10.0	19,023
1987	5,898	10.4	15.8	14.2	11.4	10.3	14.9	13.4	9.9	19,305

¹ Includes other races not shown separately.

NO. 712. MONEY INCOME OF HOUSEHOLDS—MEDIAN HOUSEHOLD INCOME IN CURRENT AND CONSTANT (1987) DOLLARS, BY RACE AND HISPANIC ORIGIN OF HOUSEHOLDER: 1970 TO 1987

[See footnote, table 711. Minus sign (—) indicates decrease. For definition of median, see Guide to Tabular Presentation.]

YEAR	MEDIAN INCOME IN CURRENT DOLLARS (dol.)				MEDIAN INCOME IN CONSTANT (1987) DOLLARS (dol.)				ANNUAL PERCENT CHANGE OF MEDIAN INCOME OF ALL HOUSEHOLDS	
	All households ¹	White	Black	Hispanic ²	All households ¹	White	Black	Hispanic ²	Current dollars	Constant dollars
1970	8,734	9,087	5,537	(NA)	25,583	26,826	16,208	(NA)	³ 8.9	³ 1.7
1971	9,028	9,443	5,578	(NA)	25,335	26,499	15,854	(NA)	3.4	.9
1972	9,897	10,173	5,938	7,677	26,344	27,637	16,132	20,556	7.4	4.0
1973	10,512	11,017	6,485	8,144	26,884	28,175	16,586	20,528	8.4	2.0
1974	11,197	11,710	6,964	8,806	25,806	26,987	16,050	20,526	6.5	4.0
1975	11,800	12,340	7,408	8,885	24,817	26,058	15,843	18,720	5.4	3.4
1976	12,686	13,289	7,902	9,589	25,328	26,531	15,776	19,104	7.5	1.6
1977	13,572	14,272	8,422	10,647	25,454	26,787	15,795	19,868	7.0	.5
1978	15,084	15,880	9,411	11,803	26,242	27,281	16,395	20,582	11.0	3.1
1979	16,481	17,259	10,133	13,042	25,775	27,024	15,886	20,421	8.3	-1.8
1980	17,710	18,884	10,784	13,651	24,426	25,770	14,848	18,828	7.8	-5.2
1981	19,074	20,153	11,309	15,300	23,835	25,184	14,132	19,110	7.7	2.4
1982	20,171	21,117	11,988	15,978	23,750	24,865	14,092	17,871	6.8	.4
1983	21,018	22,035	12,473	15,794	23,976	25,138	14,229	18,017	4.2	1.0
1984	22,415	23,647	13,471	16,992	24,526	25,874	14,740	18,592	6.6	2.3
1985	23,518	24,808	14,819	17,485	24,862	26,315	15,856	18,451	5.4	1.7
1986	24,897	26,175	15,080	18,362	25,807	27,131	15,831	19,023	5.4	3.4
1987	25,986	27,427	15,475	19,305	25,986	27,427	15,475	19,305	4.4	.7

NA, Not available. ¹ Includes other races not shown separately. ² Hispanic persons may be of any race. ³ Change from 1967.

Source of tables 711 and 712: U.S. Bureau of the Census, Current Population Reports, series P-80, No. 161, and unpublished data.

NO. 713. MONEY INCOME OF HOUSEHOLDS—PERCENT DISTRIBUTION BY MONEY INCOME LEVEL, BY SELECTED CHARACTERISTICS: 1967

(Presented as of March 1968. For definition of median, see Guide to Tables Presentation)

Characteristic	Total House- holds in 1967	PERCENT DISTRIBUTION OF HOUSEHOLDS BY INCOME LEVEL (\$1,000)								Median income (dollars)
		Under \$1,000	\$1,000- \$1,999	\$2,000- \$2,999	\$3,000- \$3,999	\$4,000- \$4,999	\$5,000- \$5,999	\$6,000- \$6,999	\$7,000 and over	
Total¹	91,896	6.9	11.5	16.9	16.2	16.1	17.2	12.2	9.3	26,966
Age of householder										
15-24 years	5,229	13.6	16.6	15.2	25.6	15.6	6.1	3.6	9	16,204
25-34 years	25,583	5.7	7.8	9.6	22.2	20.3	20.4	10.8	3.0	26,620
35-44 years	18,323	4.3	6.1	6.6	15.7	17.5	23.5	17.5	6.9	34,929
45-54 years	13,630	4.9	5.6	6.6	14.0	15.3	20.5	20.0	13.1	37,250
55-64 years	12,646	7.5	8.9	8.5	16.8	15.2	17.0	13.7	8.3	27,536
65 years and over	16,456	8.6	24.5	17.8	22.1	11.5	7.9	4.1	2.3	14,334
Race										
White	78,469	5.4	10.7	16.2	16.2	16.7	16.1	13.0	6.7	27,427
Black	10,186	17.9	17.7	13.3	20.7	12.2	16.8	5.5	2.0	15,475
Hispanic ²	5,686	10.6	15.5	14.2	21.7	14.9	13.4	7.0	2.9	16,366
Region										
Northeast	19,137	6.0	11.9	8.0	17.8	15.9	18.0	13.5	8.0	29,099
Midwest	22,402	6.7	11.9	10.7	18.3	17.1	17.5	11.8	5.0	26,722
South	31,047	9.0	11.7	11.6	20.0	15.3	16.3	10.9	5.3	25,719
West	18,480	4.8	10.2	10.6	19.5	16.3	17.7	13.5	7.7	27,914
Size of household										
One person	21,889	15.6	25.2	15.6	20.9	11.6	7.9	2.5	1.2	12,544
Two persons	29,295	4.5	6.7	11.5	22.2	17.9	17.7	11.7	5.7	28,461
Three persons	16,163	4.6	6.1	7.7	17.8	17.6	21.4	16.6	6.0	32,348
Four persons	14,143	3.0	5.0	6.1	14.8	17.3	23.5	18.6	10.6	36,805
Five persons	6,081	2.9	6.6	6.7	14.9	17.2	23.1	17.9	10.7	35,825
Six persons	2,176	4.8	7.7	8.5	15.0	15.6	21.6	17.8	8.8	33,671
Seven persons or more	1,320	4.5	5.6	6.9	16.1	15.3	18.0	15.8	10.6	30,800
Marital status										
Male householder	62,773	3.4	6.7	8.9	16.8	17.8	20.7	15.5	8.1	31,534
Married, wife present	46,746	1.7	4.6	7.7	18.0	18.3	22.7	17.7	8.3	34,782
Married, wife absent	1,230	10.9	14.9	14.5	21.6	14.1	13.3	6.6	4.1	19,466
Widowed	1,920	10.6	26.7	17.3	18.7	11.3	7.3	6.2	1.8	13,424
Divorced	3,957	8.4	10.8	12.1	20.3	17.5	16.2	9.7	4.8	24,005
Single (never married)	6,477	6.9	11.6	12.5	24.4	16.4	14.4	7.7	3.7	21,483
Female householder	26,293	14.5	22.1	14.4	20.0	12.4	9.4	4.9	2.2	14,800
Married, husband present	3,061	2.7	6.6	7.3	16.4	17.4	22.8	16.7	10.2	34,847
Married, husband absent	2,156	24.7	23.4	15.5	19.6	9.0	6.6	1.2	6	10,517
Widowed	9,626	15.2	34.0	16.6	17.0	8.4	5.4	2.2	1.1	10,206
Divorced	6,527	12.1	16.2	15.2	23.8	14.7	11.2	5.0	1.7	17,567
Single (never married)	6,310	16.9	17.6	13.1	22.5	15.3	6.7	4.6	1.2	16,756
Education attainment of householder³										
Elementary school	11,500	16.3	26.7	17.2	19.7	9.9	6.4	2.9	8	11,730
Less than 8 years	6,437	18.4	27.6	17.3	16.1	6.9	5.9	2.7	7	10,664
8 years	5,083	13.7	25.2	17.1	21.7	11.0	7.0	3.1	1.0	12,696
High school	41,037	6.6	12.4	12.0	21.8	17.8	17.0	9.5	2.8	23,362
1-3 years	10,476	10.9	19.4	14.9	22.2	14.2	11.2	6.6	1.6	16,777
4 years	30,561	5.4	10.0	11.0	21.6	19.0	18.8	10.8	3.2	26,810
College	33,301	2.6	4.3	5.6	15.1	16.3	22.7	20.1	13.2	38,337
1-3 years	14,264	3.6	6.6	8.1	18.7	18.1	22.6	16.1	6.1	31,666
4 years or more	19,007	1.6	2.5	4.1	12.4	14.6	22.8	23.0	16.6	43,662
Tenure										
Owner occupied	58,214	3.6	6.1	8.5	17.5	16.6	20.4	16.1	6.7	31,803
Renter occupied	31,180	12.0	17.3	14.2	22.6	15.0	11.6	5.4	1.9	17,474
Occupier paid no cash rent	1,672	17.7	20.8	15.2	20.6	11.2	9.7	3.6	1.4	13,613

¹ Includes other races not shown separately.

² Hispanic persons may be of any race.

³ 25 years old and over.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 161

NO. 714. MONEY INCOME OF HOUSEHOLDS—AGGREGATE AND MEAN INCOME, BY RACE AND HISPANIC ORIGIN OF HOUSEHOLDER: 1987

[As of March 1988. See headnote, table 711. For number of households by characteristic, see table 81. For definition of mean, see Guide to Tabular Presentation. For composition of regions, see fig. 1, inside front cover]

CHARACTERISTIC	ALL RACES ¹		WHITE		BLACK		HISPANIC ²	
	Aggregate money income (bil. dol.)	Mean income (dol.)	Aggregate money income (bil. dol.)	Mean income (dol.)	Aggregate money income (bil. dol.)	Mean income (dol.)	Aggregate money income (bil. dol.)	Mean income (dol.)
Total.....	2,827.2	32,144	2,836.7	35,828	211.3	30,743	148.6	24,896
Age of householder:								
15-24 years old.....	102.0	19,504	90.7	20,880	6.6	12,673	10.4	18,601
25-34 years old.....	621.8	30,200	554.2	31,913	80.0	19,277	40.8	23,483
35-44 years old.....	783.8	30,529	678.0	41,154	80.4	28,647	39.2	28,737
45-54 years old.....	587.0	43,796	532.5	45,897	43.6	27,888	25.3	30,831
55-64 years old.....	447.3	34,818	410.7	35,445	28.7	20,174	18.8	24,474
65 years old and over.....	395.8	20,333	395.7	21,029	22.2	12,622	8.1	15,332
Region:								
Northeast.....	600.9	34,535	604.2	35,841	40.6	22,937	25.2	22,236
Midwest.....	681.9	30,885	640.4	31,845	40.7	20,171	9.4	24,470
South.....	829.2	28,829	808.5	32,190	106.1	19,735	43.4	23,347
West.....	646.3	34,818	577.6	35,434	21.9	23,778	82.8	28,838
Size of household:								
One person.....	380.1	17,383	340.8	18,048	32.6	12,355	11.4	13,547
Two persons.....	951.5	32,482	883.2	33,783	60.5	19,680	28.2	22,421
Three persons.....	606.0	37,815	543.0	38,945	45.2	23,754	28.5	25,883
Four persons.....	588.8	42,394	535.8	44,326	43.9	26,923	35.5	28,951
Five persons.....	251.8	41,419	219.5	43,887	21.1	28,586	18.8	27,541
Six persons.....	54.8	38,681	49.3	41,197	10.0	27,587	9.0	27,661
Seven persons or more.....	51.4	38,971	38.3	43,241	8.8	25,388	8.1	30,858
Education attainment of householder:								
Elementary school:								
Less than 6 years.....	102.5	15,579	81.2	16,431	17.5	12,494	25.1	18,279
6 years.....	80.2	17,389	80.0	17,818	6.6	15,143	6.8	17,808
High school:								
1-3 years.....	238.5	21,182	208.1	22,788	28.9	14,112	18.1	18,880
4 years.....	862.9	29,088	860.8	30,085	75.2	21,139	41.0	25,443
College:								
1-3 years.....	540.6	34,877	482.8	35,848	40.6	28,078	22.7	31,387
4 years or more.....	1,022.5	50,879	818.7	51,888	40.6	37,700	28.7	48,183
Occupation of longest job of householder:								
Total.....	2,481.9	38,817	2,233.5	38,218	173.5	38,837	123.5	38,884
Managerial and professional specialty.....	888.9	52,485	892.2	53,038	41.4	40,714	30.0	48,845
Technical, sales, and administrative support.....	693.8	37,488	636.0	38,584	40.5	26,309	25.9	30,408
Service workers.....	189.3	23,089	128.4	24,542	28.9	16,185	14.0	22,058
Farming, forestry, and fishing.....	53.6	24,707	50.8	25,228	1.8	14,902	5.7	19,878
Precision production, crafts, and repair.....	378.6	26,130	350.8	26,429	21.1	30,532	20.8	27,878
Operators, fabricators, and laborers.....	380.4	29,884	273.8	30,343	38.5	25,861	28.8	24,856

¹ Includes other races not shown separately. ² Hispanic persons may be of any race. ³ Includes in Armed Forces, not shown separately.

Source: U.S. Bureau of the Census, Current Population Reports, series P-80, No. 181, and unpublished data.

NO. 715. HOUSEHOLD TYPE, BY MEDIAN INCOME AND INCOME LEVEL: 1987

[Households as of March 1988. See headnote, table 711]

ITEM	All households	FAMILY HOUSEHOLDS				NONFAMILY HOUSEHOLDS			
		Total	Married couple	Male householder, wife absent	Female householder, husband absent	Total	Single-person household		
							Total	Male householder	Female householder
Median income (dol.):									
All households.....	25,886	31,135	34,785	28,187	15,419	14,886	12,544	16,709	10,879
White.....	27,427	32,556	35,355	27,574	17,961	15,522	13,261	17,801	11,029
Black.....	15,475	18,981	27,236	18,758	10,017	9,529	7,861	10,383	6,730
Hispanic ¹	19,306	20,852	25,081	22,030	10,627	12,138	9,883	11,739	7,834
Number (1,000):									
All households.....	91,086	86,133	81,889	2,716	18,888	25,933	21,888	8,788	13,101
Under \$5,000.....	8,271	2,751	827	142	1,882	3,520	3,412	1,101	2,312
\$5,000-\$9,999.....	10,446	4,882	2,437	254	1,870	5,784	5,507	1,546	3,961
\$10,000-\$14,999.....	9,558	5,786	3,863	280	1,536	3,870	3,455	1,345	2,110
\$15,000-\$19,999.....	9,136	6,137	4,884	307	1,286	2,888	2,582	1,088	1,547
\$20,000-\$24,999.....	8,406	6,013	4,721	288	1,006	2,383	1,989	948	1,052
\$25,000-\$34,999.....	14,864	11,404	9,477	825	1,404	3,280	2,530	1,278	1,253
\$35,000-\$49,999.....	15,577	13,285	11,751	488	1,048	2,412	1,582	855	698
\$50,000 and over.....	16,808	15,113	13,870	444	888	1,886	810	584	227

¹ Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, Current Population Reports, series P-80, No. 181.

No. 716. MONEY INCOME OF HOUSEHOLDS—MEAN AFTER-TAX HOUSEHOLD INCOME IN CONSTANT (1986) DOLLARS, BY SELECTED CHARACTERISTICS: 1980 TO 1986

[In dollars, except percent. Households as of March of following year. Estimates of after-tax income were derived from tax simulation procedures based on a "statistical" combination of data from the Internal Revenue Service, summaries of State individual income tax regulations, data on the characteristics of persons paying FICA payroll taxes from the Social Security Administration, property tax information from the Annual Housing Survey, and the March Current Population Survey microdata file. For additional information on methodology, see source. For composition of regions, see fig. 1, inside front cover]

CHARACTERISTIC	AFTER-TAX HOUSEHOLD INCOME						AVERAGE ANNUAL PERCENT CHANGE				
	1980	1980	1980	1984	1980	1980	1980-1980	1980-1983	1980-1984	1984-1980	1985-1980
All households.....	21,862	21,488	22,173	22,763	23,882	23,882	-.4	3.1	2.7	1.4	2.8
Age of householder:											
Under 65 years.....	23,471	23,033	23,781	24,338	24,832	25,536	-.9	2.9	2.6	1.3	2.8
65 years old and over.....	14,612	15,580	16,182	16,621	16,510	16,811	3.2	3.9	2.8	-.7	1.8
Race and Hispanic origin:											
White.....	22,424	22,283	23,011	23,614	23,936	24,570	-.3	3.2	2.6	1.4	2.8
Black.....	15,236	14,723	15,113	15,622	16,094	16,396	-.7	2.8	3.4	3.0	1.9
Hispanic ¹	18,030	17,371	17,669	16,324	18,265	18,617	-1.3	1.7	3.8	-.3	3.0
Region:											
Northeast.....	21,620	21,483	22,530	23,224	24,103	24,742	-.3	4.8	3.1	3.8	2.7
Midwest.....	21,872	21,331	21,733	22,025	22,332	22,982	-1.2	1.9	1.3	1.4	3.0
South.....	20,754	20,921	21,553	22,116	21,982	22,618	.4	3.1	2.8	-.8	2.9
West.....	22,912	22,716	23,402	24,319	24,819	25,225	-.4	3.0	3.9	2.1	1.6
Type of family:											
Married couples with children ²	27,302	26,620	27,350	26,331	26,935	29,968	-1.3	2.8	3.8	2.1	3.6
Married couples without children ²	26,764	26,013	27,136	27,825	28,245	29,150	.5	4.3	2.9	1.1	3.2
Female householders with related children ³	13,161	12,366	12,455	12,923	13,345	13,134	-3.1	.7	3.8	3.3	-1.8

¹ Hispanic persons may be of any race. ² Related children under 16 years old. ³ No husband present.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-23, No. 157, and unpublished data.

No. 717. NUMBER OF HOUSEHOLDS PAYING TAXES AND AMOUNT OF TAXES, BY TYPE OF TAX AND BEFORE-TAX MONEY INCOME: 1986

[Households as of March 1987. See headnote, table 711]

TYPE OF TAX	Unit	BEFORE TAX MONEY INCOME								
		Total	Under 5,000	5,000-9,999	10,000-14,999	15,000-19,999	20,000-24,999	25,000-34,999	35,000-49,999	50,000 and over
All households.....	1,986.....	88,479	6,857	16,473	9,534	9,382	8,817	14,611	14,757	15,887
Households paying—										
One or more taxes ¹	1,000.....	82,979	3,745	7,757	9,216	9,109	8,583	14,796	14,754	15,007
Federal income taxes.....	1,000.....	68,873	239	2,058	6,125	7,836	8,197	14,683	14,730	15,003
State income taxes.....	1,000.....	58,133	443	2,495	5,086	6,410	6,611	12,161	12,281	12,665
FICA payroll taxes.....	1,000.....	66,836	2,004	4,340	8,242	8,601	7,018	12,748	13,523	14,159
Federal retirement taxes.....	1,000.....	3,347	28	58	154	223	247	711	698	1,029
Property taxes.....	1,000.....	54,076	2,274	4,580	4,720	4,689	4,887	9,391	10,806	12,489
Taxes paid.....	Bill. dol.....	234.8	1.8	5.9	13.3	22.7	31.4	84.5	137.9	337.9
Percent of taxes paid:										
Federal income taxes.....	Percent.....	56.8	2.2	11.4	30.5	40.0	45.3	49.0	52.7	64.8
State income taxes.....	Percent.....	13.2	1.4	3.9	7.6	9.7	10.9	12.3	13.1	14.4
FICA payroll taxes.....	Percent.....	21.6	19.7	31.2	34.7	32.1	31.0	28.4	25.8	15.9
Federal retirement taxes.....	Percent.....	1.1	.2	.3	.8	1.0	1.1	1.5	1.5	.9
Property taxes.....	Percent.....	7.3	76.5	53.2	26.5	17.2	11.6	8.8	7.0	4.0
Average tax paid ²	Dollars.....	7,647	482	763	1,446	2,483	3,688	6,710	9,285	22,518
Federal income taxes.....	Dollars.....	5,236	169	326	964	1,155	1,739	2,821	4,889	14,582
State income taxes.....	Dollars.....	1,442	57	91	198	341	521	866	1,456	3,842
FICA payroll taxes.....	Dollars.....	2,049	181	425	740	1,067	1,391	1,381	2,611	3,796
Federal retirement taxes.....	Dollars.....	2,145	(B)	(B)	719	1,024	1,374	1,797	2,277	3,064
Property taxes.....	Dollars.....	651	620	689	747	795	746	766	882	1,075

(B) Base figure too small to meet statistical standards for reliability of derived figure. ¹ Figures will not add as more than one type of tax may be reported for each household. ² Based on households paying taxes.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-23, No. 157, and unpublished data.

No. 718. MONEY INCOME OF HOUSEHOLDS—MEAN INCOME AND INCOME PER HOUSEHOLD MEMBER BEFORE AND AFTER TAXES, BY SELECTED CHARACTERISTICS: 1986

(Households as of March 1987. See headnote, table 715)

CHARACTERISTIC	MEAN HOUSEHOLD INCOME		INCOME PER HOUSEHOLD MEMBER		Taxes as a percent of income
	Before taxes	After taxes	Before taxes	After taxes	
All households.....	30,758	23,683	11,552	8,994	23.0
Age of householder:					
15-24 years.....	18,155	14,894	7,865	6,452	18.0
25-29 years.....	27,012	21,050	10,206	7,953	22.1
30-34 years.....	31,342	23,927	10,184	7,775	23.7
35-39 years.....	35,975	27,048	10,750	8,082	24.8
40-44 years.....	38,665	28,737	11,689	8,771	25.0
45-49 years.....	41,833	31,033	12,893	9,639	25.8
50-54 years.....	40,235	29,877	13,861	10,293	25.7
55-59 years.....	36,141	27,052	14,259	10,673	25.1
60-64 years.....	31,267	23,921	14,211	10,872	23.5
65 years and over.....	19,616	16,811	11,285	9,574	16.2
Race and Hispanic origin:					
White.....	32,040	24,570	12,239	9,365	23.3
Black.....	20,232	16,309	8,952	6,836	16.8
Hispanic ¹	23,173	18,817	6,767	5,495	16.8
Region:					
Northeast.....	32,852	24,742	12,578	9,434	25.0
Midwest.....	29,545	22,982	11,113	8,819	22.4
South.....	28,846	22,816	10,828	8,489	21.6
West.....	33,040	25,225	12,258	9,357	28.7
Type of family:					
Family households.....	35,204	27,088	10,927	8,402	23.1
Married couple families:					
With no children ²	38,224	29,150	16,152	12,317	23.7
With children ³	38,290	29,986	9,403	7,171	23.7
Female householder ³	15,446	13,134	4,824	3,932	15.0
Nonfamily households.....	19,287	14,945	15,807	12,349	22.5
Tenure:					
Owner occupied.....	38,148	27,456	12,836	9,749	24.0
Renter occupied, incl. no cash rent.....	21,182	16,977	8,862	7,103	19.8

¹ Hispanic persons may be of any race. ² Related children under 18 years. ³ No husband present, with related children under 18 years.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-23, No. 157, and unpublished data.

No. 719. HOUSEHOLDS WITH DISCRETIONARY INCOME—SELECTED INCOME MEASURES IN CONSTANT (1984) DOLLARS: 1982

(Households as of March 1982 and income figures are for the preceding year, expressed in 1984 dollars. Discretionary income is the amount of money which would permit a household to maintain a living standard comfortably higher (30% or more) than the average for similar households. For methodology, see source)

CHARACTERISTIC	ALL HOUSEHOLDS		HOUSEHOLDS WITH DISCRETIONARY INCOME					
	Number (1,000)	Aggregate income after taxes (bil. dol.)	Households		Average income		Spending discretionary income	
			Number (1,000)	Percent of all households	Before taxes (dol.)	After taxes (dol.)	Aggregate income (bil. dol.)	Average income (dol.)
Total.....	83,818	1,707.3	28,408	31.5	46,764	34,882	277.9	10,825
Age of householder:								
15-24 years old.....	5,895	79.6	1,195	21.0	32,821	25,287	7.7	6,444
25-29 years old.....	8,465	172.5	2,472	28.1	41,585	31,078	18.8	7,854
30-34 years old.....	8,639	200.6	3,365	34.8	44,289	32,534	20.3	9,021
35-39 years old.....	8,759	200.8	2,850	30.2	52,282	37,637	25.8	10,127
40-44 years old.....	7,281	161.8	2,679	36.5	54,591	39,845	29.9	11,606
45-49 years old.....	8,164	180.1	2,224	36.1	56,072	40,375	26.0	11,674
50-54 years old.....	6,250	156.9	2,336	37.7	56,278	40,396	29.2	12,479
55-59 years old.....	6,571	158.4	2,672	40.7	52,821	37,585	34.1	12,786
60-64 years old.....	6,503	132.8	2,180	33.5	47,153	34,889	25.1	11,508
65 years old and over.....	17,871	281.8	4,748	26.9	34,716	28,375	50.0	10,521
Race and Hispanic origin of householder:								
White.....	73,182	1,544.0	24,897	33.7	46,936	34,887	283.3	10,861
Black.....	10,736	163.3	1,712	16.0	44,301	33,049	14.8	8,555
Hispanic ¹	4,085	87.2	890	18.1	46,172	34,879	6.0	9,119
Size of household:								
One person.....	19,260	218.5	5,122	26.8	28,301	21,175	38.4	7,486
Two persons.....	26,439	544.5	6,488	32.1	47,686	35,084	97.3	11,467
Three persons.....	14,783	341.3	4,882	33.0	51,203	37,835	52.6	10,778
Four persons.....	13,303	338.7	4,897	34.6	54,050	39,525	48.1	10,674
Five persons.....	6,105	188.1	1,856	32.0	55,821	41,439	22.3	11,420
Six persons or more.....	4,028	106.3	1,384	33.9	66,734	43,216	18.2	13,337
Household income:								
Under \$15,000.....	29,158	213.7	828	2.8	12,588	11,807	1.3	1,589
\$15,000-\$19,999.....	8,888	147.0	1,012	10.2	17,840	15,312	3.5	3,481
\$20,000-\$24,999.....	8,148	188.1	1,571	17.2	22,795	19,109	5.8	3,581
\$25,000-\$29,999.....	7,964	174.6	2,289	28.7	27,564	22,384	8.4	4,102
\$30,000-\$34,999.....	8,808	187.5	3,007	48.5	32,830	25,676	13.3	4,415
\$35,000-\$39,999.....	5,114	147.7	3,285	63.3	37,500	29,080	17.6	5,446
\$40,000-\$49,999.....	8,854	231.3	5,479	78.9	44,806	33,897	42.8	7,813
\$50,000-\$74,999.....	8,556	282.7	6,359	86.9	59,378	43,312	90.0	14,167
\$75,000 and over.....	2,833	173.8	2,833	100.0	100,836	65,900	94.4	36,852

¹ Hispanic persons may be of any race. Source: U.S. Bureau of the Census and the Conference Board, *A Marketer's Guide to Discretionary Income*, 1986.

No. 720. MONEY INCOME OF FAMILIES—PERCENT DISTRIBUTION BY INCOME LEVEL IN CONSTANT (1987) DOLLARS, BY RACE AND HISPANIC ORIGIN OF HOUSEHOLDER: 1970 TO 1987

[Families as of March of following year. Beginning with 1980, based on householder concept and restricted to primary families. For definition of race, family, and householder, see text, section 1. Based on Current Population Survey; see text, sections 1 and 14 and Appendix III. For definition of median, see Guide to Tabular Presentation. See also *Historical Statistics, Colonial Times to 1970*, series G 1-8, G 16-23, G 190-192, and G 197-199]

RACE AND HISPANIC ORIGIN OF HOUSEHOLDER AND YEAR	Number of families (1,000)	PERCENT DISTRIBUTION OF FAMILIES, BY INCOME LEVEL								Median income (dol.)
		Under \$5,000	\$5,000-\$9,999	\$10,000-\$14,999	\$15,000-\$19,999	\$20,000-\$24,999	\$25,000-\$34,999	\$35,000-\$49,999	\$50,000 and over	
ALL FAMILIES										
1970	52,227	3.5	7.6	9.1	9.9	11.3	22.0	21.2	15.4	28,880
1975	56,245	2.9	8.1	10.0	10.2	10.4	20.9	21.0	16.4	28,970
1980	60,309	3.7	8.2	9.8	10.2	10.2	20.0	20.5	17.5	28,996
1983	62,015	4.8	8.4	10.3	10.1	10.2	19.0	19.2	17.9	28,147
1984	62,706	4.5	8.3	9.7	10.0	9.7	18.4	19.7	19.6	28,923
1985	63,558	4.4	8.0	9.7	9.9	9.9	18.3	19.2	20.6	29,302
1986	64,491	4.5	7.5	9.2	9.6	9.5	17.7	19.8	22.2	30,534
1987	65,133	4.4	7.3	9.1	9.5	9.2	17.5	20.2	22.9	30,853
WHITE										
1970	46,535	2.9	6.7	8.5	9.5	11.3	22.6	22.2	16.4	29,960
1975	49,873	2.3	6.9	9.5	10.0	10.3	21.5	21.9	17.6	30,129
1980	52,710	2.7	6.9	9.2	10.0	10.3	20.6	21.5	18.7	30,211
1983	53,890	3.7	7.1	9.9	10.1	10.4	19.5	20.2	19.2	29,474
1984	54,400	3.4	7.0	9.2	9.9	9.8	19.0	20.7	21.0	30,294
1985	54,991	3.5	6.9	9.1	9.6	10.0	18.8	20.1	22.1	30,799
1986	55,676	3.3	6.5	8.6	9.4	9.5	18.2	20.8	23.7	31,935
1987	56,044	3.2	6.1	8.6	9.3	9.1	18.1	21.2	24.4	32,274
BLACK										
1970	4,928	9.0	16.7	14.6	14.3	12.0	15.6	12.0	5.7	18,378
1975	5,586	7.4	19.0	15.2	12.2	11.7	16.1	12.5	6.1	18,538
1980	6,317	10.7	18.5	15.1	12.0	9.3	15.6	12.0	6.9	17,481
1983	6,661	13.5	19.2	14.1	11.1	9.4	15.1	10.9	6.9	16,610
1984	6,778	13.3	18.4	14.2	11.6	9.4	14.3	10.9	8.0	16,884
1985	6,921	12.4	16.8	14.1	12.4	8.8	15.0	12.2	8.3	17,734
1986	7,096	13.4	15.9	13.5	10.6	9.7	14.5	13.0	9.5	18,247
1987	7,177	13.5	16.5	12.5	11.8	10.0	13.6	12.8	9.5	18,098
HISPANIC ¹										
1975	2,499	5.8	14.9	15.8	13.0	12.2	19.8	12.8	5.8	20,168
1980	3,235	6.5	14.1	15.5	13.5	11.4	17.3	14.1	7.5	20,297
1983	3,788	8.3	16.0	14.1	13.6	11.4	16.3	12.3	7.9	19,313
1984	3,939	8.6	14.5	13.9	12.7	9.9	17.5	14.1	9.0	20,606
1985	4,206	7.4	16.0	14.8	11.7	11.1	16.6	13.0	9.6	20,102
1986	4,403	8.2	14.3	14.8	11.8	10.6	16.1	13.3	11.0	20,726
1987	4,566	8.6	14.4	14.7	11.7	10.2	15.7	14.0	10.9	20,306

¹ Hispanic persons may be of any race
Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 161, and unpublished data

No. 721. MONEY INCOME OF FAMILIES—MEDIAN FAMILY INCOME IN CURRENT AND CONSTANT (1987) DOLLARS, BY RACE AND HISPANIC ORIGIN OF HOUSEHOLDER: 1960 TO 1987

[See headnote, table 720. For definition of median, see Guide to Tabular Presentation. Minus sign (-) indicates decrease]

YEAR	MEDIAN INCOME IN CURRENT DOLLARS (dol.)				MEDIAN INCOME IN CONSTANT (1987) DOLLARS (dol.)				ANNUAL PERCENT CHANGE OF MEDIAN INCOME OF ALL FAMILIES	
	All families ¹	White	Black	Hispanic ²	All families ¹	White	Black	Hispanic ²	Current dollars	Constant dollars
1960	5,620	5,835	³ 3,230	(NA)	21,567	22,393	12,396	(NA)	⁴ 4.9	⁴ 2.9
1965	6,957	7,251	³ 3,993	(NA)	25,059	26,119	14,383	(NA)	4.4	3.1
1970	9,867	10,236	6,279	(NA)	28,880	29,960	18,378	(NA)	7.2	2.9
1971	10,285	10,672	6,440	(NA)	28,862	29,949	18,072	(NA)	4.2	1
1972	11,116	11,549	6,864	8,183	30,199	31,375	18,647	22,231	8.1	4.6
1973	12,051	12,595	7,269	8,715	30,820	32,211	18,590	22,289	8.4	2.1
1974	12,902	13,408	8,006	9,540	29,735	30,901	18,451	21,986	7.1	-3.5
1975	13,719	14,268	8,779	9,551	28,970	30,129	18,538	20,168	6.3	2.6
1976	14,958	15,537	9,242	10,259	29,863	31,019	18,451	20,482	9.0	3.1
1977	16,009	16,740	9,563	11,421	30,025	31,396	17,935	21,420	7.0	5
1978	17,640	18,368	10,879	12,566	30,730	31,998	18,952	21,891	10.2	2.3
1979	19,587	20,439	11,574	14,169	30,669	32,003	18,122	22,185	11.0	2
1980	21,023	21,904	12,674	14,716	28,986	30,211	17,481	20,297	7.3	5.5
1981	22,388	23,517	13,266	16,401	27,977	29,388	16,578	20,495	6.5	3.5
1982	23,433	24,603	13,598	16,227	27,591	28,969	16,011	19,106	4.7	1.4
1983	24,674	25,837	14,561	16,930	28,147	29,474	16,610	19,313	5.3	2.0
1984	26,433	27,686	15,432	18,833	28,923	30,294	16,884	20,606	7.1	2.8
1985	27,735	29,152	16,786	19,027	29,302	30,799	17,734	20,102	4.9	1.3
1986	29,458	30,809	17,604	19,995	30,534	31,935	18,247	20,726	6.2	4.2
1987	30,853	32,274	18,098	20,306	30,853	32,274	18,098	20,306	4.7	1.0

NA Not available. ¹ Includes other races not shown separately. ² Hispanic persons may be of any race
³ For 1960 and 1965, Black and other races. ⁴ Change from 1955
Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 161, and unpublished data

No. 722. MONEY INCOME OF FAMILIES—INCOME AT SELECTED POSITIONS AND PERCENT OF AGGREGATE INCOME RECEIVED BY EACH FIFTH AND TOP 5 PERCENT OF FAMILIES: 1980 AND 1987

[Families as of March of following year. For composition of regions, see fig. 1, inside front cover. Based on Current Population Survey; see headnote, table 720. See also *Historical Statistics, Colonial Times to 1970*, series G 31-136]

ITEM	All fami- lies, 1980	1987							
		All fami- lies	RACE			REGION			
			White	Black and other		North- east	Mid- west	South	West
				Total	Black				
Number (1,000)	66,309	66,133	58,844	9,089	7,177	13,382	18,930	22,846	18,930
INCOME AT SELECTED POSITIONS (dollars)									
Upper limit of each fifth:									
Lowest	10,286	14,450	16,057	7,514	6,603	16,308	15,001	12,639	16,603
Second	17,390	25,100	27,000	15,600	13,801	28,070	25,685	22,555	26,120
Third	24,630	36,300	38,200	25,600	22,680	40,100	36,300	34,200	38,200
Fourth	34,534	52,910	54,280	41,338	36,652	57,280	51,380	49,777	55,406
Top 5 percent	54,060	36,300	88,472	66,801	62,000	84,624	80,843	81,129	91,467
PERCENT DISTRIBUTION OF AGGREGATE INCOME									
Lowest fifth	5.1	4.8	5.1	3.2	3.3	4.7	4.9	4.3	4.8
Second fifth	11.6	10.9	11.2	8.5	8.7	11.4	11.4	10.5	10.7
Third fifth	17.5	16.9	17.0	15.3	15.5	17.4	17.4	16.7	16.5
Fourth fifth	24.3	24.1	23.8	24.3	25.1	24.1	24.2	24.9	23.7
Highest fifth	41.6	43.7	42.9	48.3	47.4	42.2	42.2	44.4	44.2
Top 5 percent	15.3	16.9	16.7	16.4	17.4	16.0	16.0	17.1	17.7

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 132 and 161.

No. 723. MONEY INCOME OF FAMILIES—MEDIAN FAMILY INCOME BY RACE AND HISPANIC ORIGIN: 1987

[Families as of March 1988. Based on Current Population Survey; see text, section 1, and Appendix III. For composition of regions, see fig. 1, inside front cover. For definition of median, see Guide to Tabular Presentation]

CHARACTERISTIC	NUMBER (1,000)				MEDIAN FAMILY INCOME (dollars)			
	All fami- lies	White	Black	His- panic ¹	All fami- lies	White	Black	His- panic ¹
All families	66,133	58,844	7,177	4,888	30,883	32,274	18,698	28,306
Region:								
Northeast	13,382	11,855	1,139	916	33,536	35,262	20,678	16,750
Midwest	15,805	14,840	1,390	308	30,881	32,146	16,755	21,886
South	22,846	18,688	3,972	1,477	28,280	30,729	17,302	18,796
West	13,000	11,280	627	1,338	32,086	32,621	20,627	22,142
Type of family:								
Married-couple families	51,809	46,644	3,682	3,204	34,700	35,285	27,182	24,677
Wife in paid labor force	29,112	26,306	2,424	1,663	40,422	41,023	33,333	31,354
Wife not in paid labor force	22,698	20,844	1,258	1,540	36,652	27,394	16,822	17,687
Male householder, no wife present	2,715	2,165	421	312	24,804	28,230	17,456	19,411
Female householder, no husband present	10,808	7,235	3,074	1,072	14,620	17,018	9,710	9,805
Number of earners: ²								
Total	64,228	56,324	7,000	4,514	30,851	32,372	17,690	20,264
No earners	9,440	7,809	1,390	648	12,849	14,924	5,528	6,282
One earner	18,009	15,084	2,298	1,458	29,182	25,369	13,774	15,146
Two earners	27,745	24,599	2,442	1,791	38,200	37,731	29,922	27,201
Three earners	6,329	5,545	599	419	48,961	47,690	37,456	34,183
Four or more earners	2,703	2,353	227	139	53,445	60,221	48,929	40,004

¹ Hispanic persons may be of any race.
² Excludes families with members who are in the Armed Forces.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 161.

NO. 724. MONEY INCOME OF FAMILIES—PERCENT DISTRIBUTION BY INCOME LEVEL, BY RACE AND HISPANIC ORIGIN OF HOUSEHOLDER, AND SELECTED CHARACTERISTICS: 1967

[Families as of March 1968. See headnote, table 720. For definitions, see last section. For definition of median, see Guide to Tabular Presentation. See *Historical Statistics, Colonial Times to 1870*, series G1-6 for U.S. data on total, White, Black and other races. For composition of regions, see fig. 1, inside front cover]

RACE OF HOUSEHOLDER, REGION, AND EDUCATION	Number of families (1,000)	PERCENT DISTRIBUTION OF FAMILIES, BY INCOME LEVEL—								Median income (dol.)
		Under \$5,000	\$5,000-99,999	\$10,000-14,999	\$15,000-24,999	\$25,000-34,999	\$35,000-49,999	\$50,000-74,999	\$75,000 and over	
All families ¹	65,129	4.4	7.3	8.0	16.7	17.5	26.2	18.1	7.8	26,863
White, total.....	60,044	3.2	6.1	6.5	16.4	16.1	21.2	16.1	6.4	22,274
Northeast.....	11,665	2.9	5.6	5.9	16.5	17.7	21.9	17.7	10.8	25,262
Midwest.....	14,240	2.9	6.0	6.1	16.7	16.4	22.0	16.2	6.6	22,149
South.....	18,559	3.6	6.9	6.5	19.2	17.6	20.8	14.7	7.6	20,729
West.....	11,380	2.9	5.7	9.2	16.7	17.7	20.0	16.4	9.4	22,521
Householder completed ² —										
Elementary school:										
Less than 8 years.....	3,259	7.7	21.1	20.3	23.9	13.1	8.7	4.1	1.1	15,294
8 years.....	2,796	5.6	13.0	16.5	29.8	16.6	10.5	4.4	1.5	18,718
High school:										
1-3 years.....	6,036	5.0	10.3	13.4	26.1	18.1	15.5	8.2	2.5	22,653
4 years.....	20,020	2.7	5.0	8.2	20.5	21.7	23.6	14.1	4.1	20,956
College:										
1-3 years.....	9,184	1.9	3.2	5.6	15.1	18.4	26.9	20.2	7.9	27,324
4 years or more.....	12,366	7	1.0	2.3	9.2	12.3	24.0	26.2	23.3	50,606
Black, total.....	7,177	13.6	16.4	12.6	21.6	13.6	12.8	7.9	2.6	16,666
Northeast.....	1,189	12.6	14.4	10.2	21.9	12.7	16.0	6.6	3.8	20,576
Midwest.....	1,369	15.1	18.6	11.7	18.6	14.0	12.8	6.1	2.7	16,756
South.....	3,972	14.3	16.6	13.4	21.9	13.5	11.6	7.0	1.7	17,302
West.....	627	6.2	14.5	12.3	27.6	14.7	14.4	5.6	4.6	20,627
Householder completed ² —										
Elementary school:										
Less than 8 years.....	821	11.2	28.2	20.2	20.6	11.6	5.4	2.3	.5	12,149
8 years.....	362	15.2	23.6	17.8	22.0	7.6	7.9	5.5	.5	13,210
High school:										
1-3 years.....	1,306	16.1	23.6	15.5	19.4	10.4	6.6	3.6	.5	12,169
4 years.....	2,467	13.2	13.4	11.4	22.7	16.0	14.9	7.1	1.4	20,863
College:										
1-3 years.....	1,006	5.5	8.0	8.2	27.1	16.2	19.3	11.2	3.6	25,115
4 years or more.....	962	1.9	3.3	3.9	22.2	15.3	21.5	17.9	14.0	36,569
Hispanic, ³ total.....	4,596	8.6	14.4	14.7	21.9	16.7	14.0	7.9	2.9	26,366
Northeast.....	916	11.9	22.2	11.9	17.3	13.2	12.3	6.5	2.6	16,750
Midwest.....	306	11.4	13.7	6.5	22.5	18.6	13.7	9.1	2.6	21,965
South.....	1,477	10.4	14.5	15.6	21.9	14.5	13.6	6.4	2.9	18,796
West.....	1,899	5.0	10.6	16.3	24.0	17.4	14.9	6.8	3.2	22,142
Householder completed ² —										
Elementary school:										
Less than 8 years.....	1,165	10.7	23.1	21.6	22.0	13.3	6.0	2.6	.4	13,540
8 years.....	264	8.5	23.0	13.8	27.2	13.4	9.2	3.5	.4	16,319
High school:										
1-3 years.....	683	9.3	17.2	15.5	25.3	15.5	9.2	5.4	2.6	17,939
4 years.....	1,143	5.4	6.6	12.6	22.7	18.6	20.3	9.1	2.1	25,130
College:										
1-3 years.....	530	4.0	4.0	9.1	21.0	18.9	21.8	16.9	4.6	31,006
4 years or more.....	368	2.1	3.3	2.6	10.3	15.4	29.8	20.8	15.9	43,362

¹ Includes other races not shown separately.

² Restricted to families with householder 25 years old and over.

³ Hispanic persons may be of any race.

Sources: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 161, and unpublished data.

No. 725. MONEY INCOME OF FAMILIES—TYPE OF FAMILY, BY INCOME LEVEL: 1987

[In thousands, except dollars. Families as of March 1988. Based on Current Population Survey; see headnote, table 720. For definition of median, see Guide to Tabular Presentation]

TYPE OF FAMILY	Num- ber of fam- lies	INCOME LEVEL								Median income (dol.)
		Under \$5,000	\$5,000- \$9,999	\$10,000- \$14,999	\$15,000- \$19,999	\$20,000- \$24,999	\$25,000- \$34,999	\$35,000- \$49,999	\$50,000 and over	
All families	65,133	2,899	4,787	2,899	6,197	5,994	11,392	13,132	14,896	39,953
Married-couple families	51,809	932	2,457	3,974	4,585	4,721	9,489	11,731	13,918	34,700
Wife in paid labor force	29,112	282	588	1,193	1,735	2,314	5,288	7,882	9,871	40,422
Wife employed	27,974	204	489	1,088	1,088	2,184	5,051	7,809	9,719	40,939
Wife unemployed	1,137	93	93	125	172	130	205	193	154	34,441
Wife not in paid labor force	22,898	671	1,862	2,780	2,849	2,408	4,204	3,870	4,047	28,852
Male householder ¹	2,715	173	275	309	330	381	531	428	330	24,804
Female householder ¹	10,608	1,775	2,055	1,892	1,383	281	1,088	674	588	14,820
With own children ²	31,920	1,293	2,522	2,807	2,887	2,784	5,298	6,744	7,080	39,953
Married-couple	24,800	397	884	1,513	1,834	2,121	4,798	6,272	9,788	38,388
Male householder ¹	1,047	109	109	142	143	104	192	148	97	29,987
Female householder ¹	6,273	1,484	1,529	932	720	588	587	324	130	10,551

¹ No spouse present. ² Children under 18 years old.
Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 161.

No. 725. MEDIAN MONEY INCOME OF FAMILIES AND UNRELATED INDIVIDUALS, IN CURRENT AND CONSTANT (1987) DOLLARS: 1970 TO 1987

[See headnote, table 720. Unrelated individuals are persons not living with any relatives. See text, sections 1 and 14. For definition of median, see Guide to Tabular Presentation. See also *Historical Statistics, Colonial Times to 1970*, series G 179-185]

ITEM	1970	1979	1980	1981	1989	1989	1989	1984	1989	1989	1987
CURRENT DOLLARS											
Families: ¹											
Married-couple families	10,516	14,857	23,141	25,065	28,019	27,383	29,512	31,100	32,805	34,700	
Wife in paid labor force	12,278	17,237	28,879	29,247	30,342	32,107	34,888	38,431	38,348	40,422	
Wife not in paid labor force	9,304	12,782	18,972	20,325	21,383	21,880	23,682	24,688	25,803	28,852	
Male householder, no wife present	9,012	12,995	17,519	12,899	20,140	21,845	23,325	22,822	24,882	24,804	
Female householder, no husband present	5,298	6,844	10,408	10,980	11,484	11,788	12,803	13,680	13,647	14,820	
Unrelated individuals:											
Male	4,540	6,612	10,939	11,845	12,470	12,889	13,566	14,921	15,281	17,752	
Female	2,408	3,978	6,888	7,370	8,058	2,889	9,501	9,885	10,142	9,101	
CONSTANT (1987) DOLLARS											
Families: ¹											
Married-couple families	30,779	31,834	31,917	31,882	30,638	31,127	32,401	32,857	34,004	34,700	
Wife in paid labor force	35,931	38,388	37,073	36,548	35,720	20,325	37,383	38,489	38,747	40,422	
Wife not in paid labor force	27,232	20,325	23,187	25,389	25,078	24,971	25,803	25,943	23,748	28,852	
Male householder, no wife present	28,977	27,441	24,183	24,854	23,714	24,820	25,522	23,900	25,874	24,804	
Female householder, no husband present	14,907	14,482	14,585	13,566	13,522	13,449	14,009	14,432	14,148	14,820	
Unrelated individuals:											
Male	15,288	13,982	12,899	14,009	14,889	14,702	14,844	15,784	15,839	17,752	
Female	7,383	8,400	9,137	9,210	9,489	10,110	10,388	10,422	10,513	9,101	

¹ Beginning 1980, based on household concept. Restricted to primary families, see source.
Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 161, and earlier issues.

No. 727. MEDIAN MONEY INCOME OF YEAR-ROUND FULL-TIME WORKERS WITH INCOME, BY SEX AND AGE: 1970 TO 1987

[Age as of March of following year. Refers to civilian workers. For definition of median, see Guide to Tabular Presentation]

AGE	FEMALE					MALE				
	1970	1980	1989	1989	1987	1970	1980	1989	1989	1987
Total with income	¹ 95,440	811,891	816,252	816,843	817,804	¹ 99,184	819,173	824,999	825,894	826,722
15-19 years old	² 3,783	6,779	8,372	8,333	9,417	² 3,980	7,753	9,050	9,730	9,959
20-24 years old	4,928	9,407	11,757	12,192	12,905	6,655	12,109	13,827	14,152	14,885
25-34 years old	5,923	12,190	16,740	17,087	17,583	9,126	17,724	22,321	22,692	23,804
35-44 years old	5,531	12,239	18,032	18,810	19,897	10,258	21,777	28,988	30,189	30,655
45-54 years old	5,588	12,116	17,009	18,057	19,087	9,931	22,323	28,988	31,657	32,821
55-64 years old	5,488	11,931	16,781	18,888	17,931	9,071	21,053	28,367	29,119	30,946
65 years old and over	4,884	12,342	18,333	17,180	19,176	6,754	17,307	26,146	27,326	29,715

¹ 14 years old and over. ² 14 to 19 years old.
Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 161, and earlier issues.

NO. 725. MONEY INCOME OF PERSONS—PERCENT DISTRIBUTION BY INCOME LEVEL, MEDIAN, AND MEAN INCOME, BY SEX, 1970 TO 1987 AND BY AGE, RACE, HISPANIC ORIGIN, AND REGION, 1987

[As of March of following year. For 1970 and 1975, persons 14 years old and over; thereafter, 15 years old and over. Based on Current Population Survey; see headnote, table 720. For definitions of median and mean, see Guide to Tabular Presentation. See *Historical Statistics, Colonial Times to 1970*, series G 257-266, for percent distribution by income level, and median income. For composition of regions, see fig. 1, inside front cover.]

SEX, YEAR, AGE, RACE, HISPANIC ORIGIN, AND REGION	All per- sons (mil.)	PERSONS WITH INCOME										Medi- an in- come (dol.)	Mean in- come (dol.)
		Total (mil.)	Percent distribution by income (in dollars) level—										
			1 to 1,999 or less ¹	2,000- 3,999	4,000- 5,999	6,000- 9,999	10,000- 14,999	15,000- 24,999	25,000- 34,999	35,000 and over			
MALE													
1970.....	70.6	65.0	18.8	13.7	12.9	27.9	17.7	8.8	2.3		6,670	7,537	
1975.....	77.6	71.2	12.9	12.0	10.8	19.6	21.7	17.6	5.4		8,863	10,429	
1980.....	82.8	76.7	9.1	8.0	8.2	14.7	17.1	25.8	10.3	6.8	12,630	15,340	
1981.....	84.0	79.7	8.9	7.6	7.6	14.1	16.8	24.6	12.8	8.6	13,473	16,515	
1982.....	85.0	79.7	9.1	7.0	7.3	13.4	18.0	23.8	13.3	10.2	13,950	17,361	
1983.....	86.1	80.6	9.0	6.6	6.9	12.8	16.2	23.2	13.9	11.9	14,631	18,109	
1984.....	87.0	82.2	8.1	6.6	6.8	12.3	14.8	22.4	16.1	14.1	15,800	19,436	
1985.....	88.5	83.6	7.5	6.9	6.9	12.2	14.5	22.3	15.3	16.1	16,311	20,652	
1986.....	89.4	84.5	7.2	6.4	6.0	11.8	14.0	22.1	15.6	18.0	17,114	21,822	
1987.....	90.3	85.6	6.9	6.3	6.1	11.1	13.7	21.7	16.8	18.7	17,762	22,884	
15-19 years old.....	9.1	6.1	51.7	20.9	11.1	9.5	4.3	2.0	.3	.2	1,932	3,296	
20-24 years old.....	9.3	6.7	8.6	12.1	11.7	19.5	21.7	20.0	4.4	1.8	9,529	10,901	
25-34 years old.....	21.3	20.6	3.4	3.3	3.9	6.6	15.2	29.1	20.3	18.2	20,112	22,160	
35-44 years old.....	17.1	16.8	2.2	2.2	3.2	6.2	8.8	22.4	22.9	32.1	26,626	30,762	
45-54 years old.....	11.5	11.3	2.6	2.6	3.1	5.3	9.4	19.1	20.1	37.7	26,685	33,506	
55-64 years old.....	10.2	10.0	3.5	2.8	4.9	10.0	12.3	22.8	17.0	28.9	21,906	27,428	
65 yr. old and over.....	11.8	11.8	1.5	4.5	11.2	23.7	22.1	21.1	7.9	8.1	11,864	16,464	
White.....	77.6	74.7	6.3	4.6	5.5	10.8	13.5	21.9	18.2	21.1	18,864	23,643	
Black.....	9.6	8.3	10.5	6.8	11.2	15.3	18.0	20.4	11.2	8.6	11,101	14,391	
Hispanic ²	5.8	6.1	8.6	7.1	9.1	17.3	18.9	21.5	10.4	9.1	12,019	16,051	
Northeast.....	18.8	17.8	6.0	4.6	5.2	9.6	12.8	22.2	16.9	22.2	19,876	24,366	
Midwest.....	22.0	21.1	7.3	5.2	6.8	10.9	12.9	22.5	16.7	18.6	17,910	21,868	
South.....	30.7	28.8	7.3	5.6	7.3	11.9	14.6	21.7	14.2	17.3	16,162	21,219	
West.....	18.8	17.9	6.4	4.9	5.2	11.5	13.8	20.4	15.5	22.2	18,596	24,179	
FEMALE													
1970.....	77.6	51.6	46.7	22.1	15.7	12.4	2.6	.4	.2		2,237	3,188	
1975.....	85.0	60.8	31.9	24.0	15.4	18.5	7.9	2.2	.3		3,366	4,513	
1980.....	91.1	80.8	24.6	18.6	13.3	18.3	14.2	9.0	1.0	.8	4,820	5,772	
1981.....	92.2	82.1	22.8	17.2	13.4	18.0	15.0	10.9	2.0	.6	5,456	7,440	
1982.....	93.1	82.5	21.7	15.9	13.1	17.4	15.1	12.7	2.8	1.1	5,897	8,195	
1983.....	94.3	83.8	20.7	14.7	12.9	17.1	15.4	14.0	3.6	1.4	6,319	8,780	
1984.....	95.3	85.8	19.2	13.6	12.6	17.2	15.0	15.6	4.6	2.1	6,866	9,584	
1985.....	96.4	86.5	18.8	13.2	12.2	17.1	15.0	16.2	5.5	2.6	7,217	10,173	
1986.....	97.3	87.8	17.5	12.2	12.3	16.8	15.1	17.0	6.2	3.2	7,610	10,741	
1987.....	98.2	88.3	16.5	11.8	11.7	16.8	14.8	17.7	6.8	4.3	8,101	11,436	
15-19 years old.....	8.9	6.0	53.3	21.8	10.6	9.0	3.4	1.6	-	.2	1,677	2,886	
20-24 years old.....	9.6	8.7	15.5	14.7	19.8	21.3	18.2	13.5	2.1	.5	6,896	8,406	
25-34 years old.....	21.6	20.1	15.9	8.2	7.8	13.9	17.6	24.4	8.7	3.6	11,049	12,746	
35-44 years old.....	17.6	16.4	15.4	7.6	7.1	13.5	14.8	22.8	11.5	7.4	11,989	14,766	
45-54 years old.....	12.3	11.2	16.6	6.1	7.9	13.0	15.2	22.4	10.3	6.6	11,219	14,127	
55-64 years old.....	11.5	10.5	19.2	11.8	12.6	15.6	14.8	15.6	5.9	4.5	7,445	11,139	
65 yr. old and over.....	16.7	16.5	3.8	16.6	22.3	27.3	14.1	10.6	3.2	2.2	6,734	9,547	
White.....	83.5	76.7	16.6	11.1	11.1	16.9	15.1	17.9	6.9	4.2	8,279	11,821	
Black.....	11.6	10.1	13.0	15.7	17.0	16.4	13.6	16.5	5.7	2.0	6,791	9,919	
Hispanic ²	6.0	5.3	18.6	13.9	13.2	20.0	13.4	14.3	4.4	2.2	6,611	9,303	
Northeast.....	21.1	19.4	15.1	10.4	12.0	16.6	13.9	18.6	7.8	4.7	8,430	12,106	
Midwest.....	23.9	22.1	17.4	11.9	12.1	17.1	15.3	16.9	6.2	3.1	7,713	10,675	
South.....	33.8	30.1	16.0	13.1	12.2	16.0	15.6	17.3	6.0	3.8	7,870	10,842	
West.....	19.4	17.6	16.7	9.9	9.9	17.5	14.1	18.4	8.0	5.2	8,651	12,494	

Represents zero.

¹ Includes persons with income deficit.

² Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 161, and unpublished data.

NO. 729. MEAN MONEY EARNINGS, BY EDUCATIONAL ATTAINMENT, SEX, AND AGE: 1986

(In dollars. For year-round full-time workers 16 years old and over. As of March 1987. Based on Current Population Survey; see text section 1 and Appendix B. For definition of mean, see Guide to Tabular Presentation)

AGE AND SEX	Total	ELEMENTARY			SECONDARY			COLLEGE			
		Total	Less than 8 years	8 years	Total	1-3 years	4 years	Total	1-3 years	4 years	5 or more years
Male, total	22,723	16,575	15,553	15,337	22,815	19,823	22,719	35,979	26,114	37,536	46,266
15-24 years old	14,510	10,345	10,168	12,565	13,666	11,565	14,159	17,139	15,633	20,678	(B)
25-29 years old	22,091	12,341	12,027	12,839	19,262	15,989	19,679	25,980	22,485	28,240	30,501
30-34 years old	27,367	14,779	13,775	(B)	22,615	19,494	23,203	31,935	26,804	33,180	36,962
35-39 years old	32,027	15,634	15,291	16,222	25,182	20,918	25,665	37,343	30,207	38,533	45,665
40-44 years old	34,073	17,953	16,720	19,482	26,384	20,753	27,591	41,242	33,424	41,861	49,053
45-49 years old	35,313	21,511	20,015	23,046	27,653	24,636	28,504	44,428	34,055	47,221	54,240
50-54 years old	33,622	18,931	17,577	20,071	27,814	24,520	26,685	43,906	34,924	44,843	52,535
55-59 years old	31,945	19,313	17,240	21,053	26,163	24,116	26,951	43,977	32,577	53,347	48,788
60-64 years old	32,193	18,584	16,801	20,495	26,221	21,730	26,370	43,543	32,339	46,447	51,878
65 years old and over	27,180	12,941	(B)	12,502	22,582	15,889	24,756	40,479	25,037	39,856	56,497
Female, total	17,511	10,708	10,634	10,822	15,014	12,696	16,462	21,679	17,937	22,943	26,829
15-24 years old	12,498	(B)	(B)	(B)	11,374	10,202	11,480	14,317	12,547	16,240	(B)
25-29 years old	17,256	11,063	11,000	(B)	14,242	12,117	14,475	19,818	17,085	21,671	23,337
30-34 years old	19,459	10,164	10,116	(B)	15,357	12,395	15,748	23,013	19,286	23,592	29,396
35-39 years old	19,854	10,860	(B)	9,555	15,710	12,508	16,171	23,974	19,931	24,857	30,724
40-44 years old	20,006	10,859	(B)	9,555	16,539	12,565	17,133	23,947	19,820	25,529	28,899
45-49 years old	18,732	11,213	9,512	11,851	15,657	12,729	16,538	23,664	19,289	23,235	30,902
50-54 years old	18,487	10,390	9,512	11,851	16,443	13,777	16,866	23,367	19,880	25,963	27,586
55-59 years old	17,684	10,944	10,846	11,745	15,906	13,830	16,449	22,617	18,534	24,372	28,632
60-64 years old	16,529	11,306	(B)	11,745	15,631	11,590	16,310	19,980	17,969	19,443	(B)
65 years old and over	13,646	(B)	(B)	(B)	12,991	(B)	13,710	16,816	(B)	(B)	(B)

B Base figure too small to meet statistical standards for reliability of derived figure.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-80, No. 186.

NO. 730. PER CAPITA MONEY INCOME IN CURRENT AND CONSTANT (1987) DOLLARS, BY RACE AND HISPANIC ORIGIN: 1970 TO 1987

(In dollars)

YEAR	CURRENT DOLLARS				CONSTANT (1987) DOLLARS			
	All races	White	Black	Hispanic ¹	All races	White	Black	Hispanic ¹
1970	3,177	3,354	1,892	(NA)	8,239	8,817	5,470	(NA)
1971	3,417	3,599	2,092	(NA)	8,596	10,091	5,787	(NA)
1972	3,768	3,989	2,300	(NA)	10,239	10,780	6,348	(NA)
1973	4,141	4,381	2,521	2,454	10,891	11,153	6,447	6,276
1974	4,446	4,677	2,719	2,739	10,944	10,779	6,264	6,303
1975	4,818	5,072	2,972	2,947	10,174	10,710	6,276	6,012
1976	5,271	5,566	3,266	3,178	10,889	11,082	6,580	6,347
1977	5,785	6,100	3,574	3,526	10,880	11,440	6,708	6,665
1978	6,456	6,797	4,034	3,981	11,246	11,841	7,028	6,600
1979	7,168	7,574	4,444	4,432	11,223	11,899	6,986	6,840
1980	7,787	8,233	4,804	4,865	10,740	11,385	6,626	6,710
1981	8,478	8,979	5,129	5,349	10,962	11,230	6,409	6,884
1982	9,080	9,627	5,390	5,449	10,579	11,218	6,311	6,415
1983	9,548	10,125	5,726	5,862	10,862	11,580	6,855	6,678
1984	10,329	10,899	6,277	6,401	11,301	11,509	6,955	7,004
1985	11,013	11,871	6,840	6,619	11,936	12,330	7,226	6,967
1986	11,670	12,352	7,387	7,000	12,088	12,603	7,470	7,298
1987	12,287	13,001	7,499	7,611	12,287	13,001	7,499	7,611

NA Not available. ¹ Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-80, No. 161.

NO. 731. PER CAPITA MONEY INCOME, 1969 TO 1985, AND MEDIAN FAMILY INCOME, 1969 AND 1979, BY STATE

(In dollars. For definition of median, see Guide to Tabular Presentation. See also Historical Statistics, Colonial Times to 1957, series G 205-256 and Appendix B)

STATE	PER CAPITA INCOME			MEDIAN FAMILY INCOME	
	1969	1979	1985	1969	1979
United States	3,119	7,296	10,790	9,596	16,917
Alabama	2,317	5,892	8,881	7,283	16,347
Alaska	3,725	10,183	13,650	12,441	28,385
Arizona	2,937	7,042	10,581	9,185	19,017
Arkansas	2,142	5,613	8,388	6,271	14,641
California	3,614	8,284	11,885	10,729	21,537
Colorado	3,106	7,988	11,713	9,552	21,279
Connecticut	3,885	8,511	14,080	11,808	23,149
Delaware	3,285	7,449	11,375	10,208	20,817
District of Columbia	3,842	8,958	13,530	9,576	19,089
Florida	3,058	7,289	11,271	8,261	17,280
Georgia	2,840	6,280	10,191	8,185	17,414
Hawaii	3,373	7,740	11,003	11,552	22,750
Idaho	2,644	6,248	8,567	8,380	17,482
Illinois	3,485	8,084	11,302	10,857	22,746
Indiana	3,070	7,141	9,978	9,986	20,535
Iowa	2,884	7,138	10,086	9,016	20,052
Kansas	2,929	7,349	10,684	8,680	19,707
Kentucky	2,425	5,973	8,814	7,439	16,444
Louisiana	2,330	6,425	8,636	7,527	16,088
Maine	2,548	5,788	8,042	8,205	16,167
Maryland	3,512	8,293	12,887	11,057	23,112
Massachusetts	3,408	7,457	12,510	10,833	21,186
Michigan	3,357	7,868	10,802	11,029	22,107
Minnesota	3,038	7,450	11,186	9,928	21,185
Mississippi	1,925	5,182	7,483	6,088	14,581
Missouri	2,852	6,915	10,283	8,808	18,794
Montana	2,886	6,588	8,781	8,509	18,413
Nebraska	2,797	6,934	10,548	8,562	19,122
Nevada	3,554	8,453	11,200	10,687	21,311
New Hampshire	2,885	6,886	11,858	9,882	19,723
New Jersey	3,674	8,127	13,128	11,403	22,806
New Mexico	2,437	6,120	8,814	7,845	16,828
New York	3,808	7,486	11,785	10,808	20,180
North Carolina	2,474	6,132	9,517	7,770	16,792
North Dakota	2,488	6,417	9,635	7,836	18,023
Ohio	3,189	7,284	10,371	10,308	20,909
Oklahoma	2,684	6,654	9,754	7,720	17,688
Oregon	3,148	7,566	9,825	9,487	20,027
Pennsylvania	3,886	7,075	10,288	9,554	19,885
Rhode Island	3,121	6,887	10,882	9,733	19,448
South Carolina	2,303	5,884	8,890	7,620	16,978
South Dakota	2,387	5,886	8,553	7,480	15,883
Tennessee	2,484	6,212	9,290	7,446	16,564
Texas	2,792	7,203	10,373	8,486	19,618
Utah	2,897	6,305	8,535	8,320	20,024
Vermont	2,772	6,177	9,619	8,929	17,205
Virginia	2,986	7,475	11,884	9,044	20,018
Washington	3,357	8,073	10,886	10,404	21,886
West Virginia	2,333	6,142	8,141	7,414	17,308
Wisconsin	3,032	7,241	10,288	10,085	20,915
Wyoming	2,885	7,827	9,782	8,944	22,430

Source: U.S. Bureau of the Census, *Census of Population: 1970*, vol. 1, *1980 Census of Population*, vol. 1, chapter C, (PC 80-1-C), and *Current Population Reports*, series P-26, No. 88.

NO. 732. PER CAPITA MONEY INCOME FOR 50 LARGEST CITIES, 1979 AND 1985

CITIES RANKED BY POPULATION- SIZE, 1986	1979	1985	Percent change 1979- 1985	CITIES RANKED BY POPULATION- SIZE, 1986	1979	1985	Percent change 1979- 1985
New York	7,271	11,188	53.9	Seattle	9,262	12,819	38.2
Los Angeles	8,415	12,084	43.6	Nashville-Davidson	7,278	11,253	54.7
Chicago	8,933	9,842	39.1	Austin	7,388	11,633	57.9
Houston	8,817	12,115	37.4	Oklahoma City	7,998	11,527	44.1
Philadelphia	8,053	8,807	45.5	Kansas City	7,480	11,153	49.1
Detroit	8,215	8,852	42.4	Fort Worth	7,336	10,515	43.3
San Diego	8,016	11,786	48.8	St. Louis	5,877	8,799	49.7
Dallas	8,810	12,816	46.9	Atlanta	6,539	10,341	58.1
San Antonio	5,758	8,499	47.8	Long Beach	8,342	11,729	40.8
Phoenix	7,552	11,383	50.5	Portland	8,123	10,770	32.6
Honolulu ¹	7,912	11,434	44.5	Pittsburgh	8,845	9,988	46.1
Baltimore	5,877	8,647	47.1	Miami	6,084	8,904	46.4
San Francisco	8,265	13,575	48.5	Tulsa	6,842	12,670	43.3
Indianapolis	7,586	10,838	42.9	Cincinnati	6,874	10,247	49.1
San Jose	8,382	12,583	50.1	Albuquerque	7,440	11,133	49.6
Memphis	6,486	9,382	44.8	Tucson	6,551	9,430	43.8
Washington	8,959	13,530	51.0	Oakland	7,701	10,911	41.7
Jacksonville	6,787	10,486	54.7	Minneapolis	7,840	12,302	54.9
Milwaukee	7,029	9,765	38.9	Charlotte	7,952	12,258	54.2
Boston	6,555	10,774	64.4	Omaha	7,714	12,088	57.0
Columbus	6,783	9,909	46.1	Toledo	7,050	10,050	42.8
New Orleans	6,463	8,975	38.9	Virginia Beach	7,704	12,039	56.3
Cleveland	5,770	8,016	38.0	Buffalo	5,929	8,840	49.1
Denver	8,553	12,480	46.0	Sacramento	7,558	10,627	40.6
El Paso	5,439	7,870	41.0	Newark	4,525	6,484	43.5

¹ Data are for Honolulu County.

Source: U.S. Bureau of the Census, *1980 Census of Population*, vol. 1, chapter C, (PC 80-1-C) and *Current Population Reports*, series P-26, No. 88.

NO. 733. PERSONS, FAMILIES, AND CHILDREN BELOW POVERTY LEVEL—NUMBER AND PERCENT, BY STATE: 1979

[Persons, families, and related children as of April of the following year. For explanation of poverty level, see text, section 14. Excludes unrelated individuals under 15 years of age, and persons in specified types of group quarters, i.e. inmates of institutions and persons living in military group quarters or in college dormitories. Poverty criteria computed on a national basis only and not adjusted for regional, State, or other local variations in cost of living. For details, see source.]

REGION AND STATE	PERSONS		FAMILIES		RELATED CHILDREN ¹		REGION AND STATE	PERSONS		FAMILIES		RELATED CHILDREN ¹	
	Number (1,000)	Percent	Number (1,000)	Percent	Number (1,000)	Percent		Number (1,000)	Percent	Number (1,000)	Percent	Number (1,000)	Percent
U.S.	27,383	12.4	5,679	8.8	10,026	18.0	South—						
Northeast	5,343	11.2	1,111	8.7	1,882	15.6	Con.						
ME	141	13.0	29	8.6	50	15.8	VA	611	11.8	129	8.2	216	14.9
NH	75	8.5	15	8.1	24	9.4	WV	267	15.0	62	11.7	102	18.5
VT	59	12.1	11	8.9	20	13.9	NC	840	14.8	183	11.6	299	18.3
MA	532	9.8	110	7.6	193	13.1	SC	500	16.8	106	13.1	195	21.0
RI	94	10.3	18	7.7	33	13.6	GA	884	16.5	189	13.2	342	21.1
CT	243	8.0	51	6.2	93	11.4	FL	1,267	13.5	268	9.8	427	18.5
NY	2,299	13.4	483	10.8	877	19.0	KY	626	17.6	144	14.8	230	21.6
NJ	689	9.5	148	7.6	278	14.1	TN	726	16.5	164	13.1	263	20.6
PA	1,210	10.5	245	7.8	426	13.9	AL	720	16.9	154	14.9	271	23.6
Midwest	6,610	10.6	1,330	8.0	2,179	12.6	MS	587	23.9	121	18.7	244	30.4
OH	1,089	10.3	228	8.0	401	13.2	AR	424	19.0	94	14.9	154	23.4
IN	516	9.7	107	7.3	189	11.9	LA	795	18.8	163	15.1	307	23.8
IL	1,231	11.0	247	8.4	478	14.9	OK	394	13.4	86	10.3	132	15.7
MN	946	10.4	199	8.2	361	13.3	TX	2,036	14.7	412	11.1	791	18.7
WI	398	8.1	77	6.3	139	10.4	West	4,766	11.3	836	8.6	1,863	14.2
MV	375	9.5	73	7.0	116	10.2	MT	94	12.3	19	8.2	32	13.6
IA	286	10.1	58	7.5	94	11.5	ID	117	12.6	24	9.6	43	14.3
MO	582	12.2	120	9.1	196	14.6	WY	36	7.9	7	5.8	11	7.7
ND	79	12.6	16	9.8	27	14.3	CO	285	10.1	56	7.4	91	11.5
SD	113	18.9	23	13.1	41	20.0	NM	226	17.6	47	14.0	81	22.1
NE	163	10.7	33	8.0	63	12.1	AZ	351	18.2	68	9.6	128	16.5
KS	232	10.1	47	7.4	75	11.4	UT	146	10.3	27	7.7	67	10.7
South	11,268	16.4	2,380	11.8	4,160	16.8	NV	89	6.7	12	6.3	21	10.0
DE	68	11.9	14	8.9	25	15.8	WA	386	9.8	76	7.2	126	11.5
MD	405	9.8	82	7.5	143	12.6	OR	274	10.7	54	7.7	86	12.0
DC	113	18.6	21	15.1	39	27.0	CA	2,627	11.4	521	8.7	947	15.2
							AK	42	10.7	8	8.8	15	12.1
							HI	92	9.9	18	7.8	35	13.0

¹ Under 18 years.

Source: U.S. Bureau of the Census, 1980 Census of Population, vol. 1, chapter C (PC80-1-C).

NO. 734. PERSONS BELOW POVERTY LEVEL AND BELOW 125 PERCENT OF POVERTY LEVEL: 1959 TO 1987

[Persons as of March of the following year. For explanation of poverty level, see text, section 14.]

YEAR	NUMBER BELOW POVERTY LEVEL (mil.)				PERCENT BELOW POVERTY LEVEL				BELOW 125 PERCENT OF POVERTY LEVEL		AVERAGE INCOME CUTOFFS FOR NON-FARM FAMILY OF 4 ²	
	All races ¹	White	Black	Hispanic ³	All races ¹	White	Black	Hispanic ³	Number (mil.)	Percent of total population	At poverty level	At 125 percent of poverty level
1959	39.5	26.5	9.9	(NA)	22.4	16.1	55.1	(NA)	64.0	31.1	\$2,973	\$3,716
1960	39.9	26.3	(NA)	(NA)	22.2	17.8	(NA)	(NA)	64.8	30.4	3,022	3,778
1965	26.5	20.8	8.9	(NA)	14.7	12.2	41.8	(NA)	41.3	21.3	3,317	4,149
1969	24.1	16.7	7.1	(NA)	12.1	8.5	32.2	(NA)	34.7	17.4	3,743	4,679
1970	25.4	17.5	7.5	(NA)	12.6	9.9	33.5	(NA)	36.6	17.6	3,968	4,980
1975	25.9	17.6	7.5	3.0	12.3	9.7	31.3	26.9	37.2	17.6	5,500	6,876
1976	25.0	16.7	7.6	2.8	11.8	9.1	31.1	24.7	35.5	16.7	6,816	7,289
1977	24.7	16.4	7.7	2.7	11.6	8.9	31.3	22.4	36.7	16.7	8,191	7,739
1978	24.5	16.3	7.6	2.6	11.4	8.7	30.6	21.6	34.2	15.8	6,882	8,326
1979 ⁴	25.3	16.8	7.8	2.9	11.6	8.9	30.6	21.6	35.6	16.3	7,412	9,265
1979 ⁵	26.1	17.2	8.1	2.9	11.7	9.0	31.0	21.6	36.6	16.4	7,412	9,265
1980	29.3	19.7	8.6	3.5	13.0	10.2	32.5	25.7	40.7	18.1	8,414	10,516
1981	31.8	21.6	9.2	3.7	14.0	11.1	34.2	26.5	43.7	19.3	9,287	11,609
1982	34.4	23.5	9.7	4.3	15.0	12.0	35.6	29.9	46.5	20.3	9,862	12,328
1983	35.3	24.0	9.9	4.6	16.2	12.1	36.7	29.0	47.2	20.3	10,178	12,723
1984	33.7	23.0	9.5	4.8	14.4	11.5	33.8	28.4	45.3	19.4	10,809	13,261
1985	33.1	22.9	9.8	5.2	14.0	11.4	31.3	29.0	44.2	18.7	10,989	13,798
1986	32.4	22.2	9.0	5.1	13.6	11.0	31.1	27.3	43.5	18.2	11,203	14,004
1987	32.6	21.4	9.7	5.5	13.5	10.6	33.1	28.2	43.5	18.1	11,811	14,514

NA: Not available. ¹ Includes other races not shown separately. ² Hispanic persons may be of any race. ³ Beginning 1981, income cutoffs for nonfarm families are applied to all families, both farm and nonfarm. ⁴ Population controls based on 1970 census; see text, section 14. ⁵ Population controls based on 1980 census; see text, sections 1 and 14.

Source: U.S. Bureau of the Census, Current Population Reports, series P-60, No. 161.

**NO. 735. PERSONS BELOW POVERTY LEVEL AND BELOW 125 PERCENT OF POVERTY LEVEL, BY RACE
OF HOUSEHOLDER AND FAMILY STATUS: 1979 TO 1987**

[Persons as of March of following year. For explanation of poverty level, see text, section 14]

RACE OF HOUSEHOLDER AND FAMILY STATUS	BELOW POVERTY LEVEL					BELOW 125 PERCENT OF POVERTY LEVEL				
	1979 ¹	1984	1985	1986	1987	1979 ¹	1984	1985	1986	1987
NUMBER (mil.)										
All persons²	26.1	33.7	33.1	32.4	32.5	36.6	45.3	44.2	42.5	43.5
In families	20.0	26.5	25.7	24.8	25.0	26.1	35.5	34.4	33.2	33.1
Householder	5.5	7.3	7.2	7.0	7.1	7.8	9.9	9.8	9.5	9.5
Related children under 18 years	10.0	12.9	12.5	12.3	12.4	13.4	16.4	15.8	15.5	15.6
Other family members	4.5	6.3	6.0	5.5	5.5	7.0	9.2	8.9	8.2	8.1
Unrelated individuals	5.7	6.8	6.7	6.8	6.8	8.0	9.1	9.1	9.4	9.5
White	17.8	23.0	22.8	22.2	21.4	25.2	32.1	31.5	30.7	30.6
In families	12.5	17.3	17.1	16.4	15.8	16.4	24.2	23.7	22.6	22.0
Householder	3.6	4.9	5.0	4.8	4.6	5.3	7.0	7.0	6.7	6.5
Related children under 18 years	5.9	8.1	7.8	7.7	7.6	8.2	10.7	10.3	10.0	9.9
Other family members	3.0	4.3	4.3	3.9	3.7	4.8	6.6	6.4	5.9	5.7
Unrelated individuals	4.5	5.2	5.3	5.2	5.1	6.5	7.3	7.3	7.4	7.4
Black	8.1	9.5	8.9	9.0	9.7	10.3	11.6	11.1	11.2	11.8
In families	6.8	8.1	7.5	7.4	8.0	8.8	9.9	9.3	9.2	9.7
Householder	1.7	2.1	2.0	2.0	2.1	2.2	2.6	2.5	2.5	2.6
Related children under 18 years	3.7	4.3	4.1	4.0	4.3	4.7	5.1	4.8	4.8	5.0
Other family members	1.3	1.7	1.5	1.4	1.5	1.9	2.3	2.1	1.9	2.0
Unrelated individuals	1.2	1.3	1.3	1.4	1.5	1.4	1.6	1.6	1.8	1.9
In families with female householder, no husband present²	13.5	16.4	16.4	16.8	16.9	17.4	20.3	20.1	21.0	20.8
In families	9.4	11.8	11.6	11.9	12.1	11.8	14.0	13.7	14.2	14.1
Householder	2.6	3.5	3.5	3.6	3.8	3.3	4.2	4.2	4.3	4.3
Related children under 18 years	5.6	6.8	6.7	6.9	7.1	6.7	7.7	7.6	7.9	8.0
Other family members	1.1	1.6	1.4	1.4	1.4	1.6	2.1	2.0	1.9	1.8
Unrelated individuals	3.8	4.0	4.2	4.3	4.2	5.4	5.7	5.8	6.0	5.9
In all other families²	12.8	17.3	16.7	15.4	15.8	18.2	25.0	24.1	22.5	22.7
In families	10.6	14.6	14.1	12.8	12.9	16.5	21.5	20.7	19.0	19.0
Householder	2.8	3.8	3.7	3.4	3.4	4.5	5.7	5.6	5.1	5.1
Related children under 18 years	4.4	6.2	5.8	5.3	5.4	6.6	8.7	8.2	7.6	7.6
Other family members	3.4	4.7	4.6	4.1	4.1	5.4	7.1	6.9	6.3	6.3
Unrelated individuals	2.0	2.6	2.5	2.5	2.7	2.7	3.4	3.3	3.4	3.6
PERCENT OF POPULATION										
All persons²	11.7	14.4	14.0	13.6	13.5	16.4	19.4	18.7	18.2	18.1
In families	10.2	13.1	12.6	12.0	12.1	14.4	17.5	16.9	16.2	16.0
Householder	9.2	11.6	11.4	10.9	10.8	13.1	15.8	15.3	14.7	14.5
Related children under 18 years	16.0	21.0	20.1	19.8	20.0	21.3	26.6	25.5	25.1	25.1
Other family members	6.1	8.0	7.7	6.9	6.9	9.5	11.8	11.3	10.3	10.2
Unrelated individuals	21.9	21.8	21.5	21.8	20.8	30.7	29.9	29.0	29.8	29.0
White	9.0	11.5	11.4	11.0	10.5	13.1	16.1	15.7	16.2	14.7
In families	7.4	10.1	9.9	9.4	9.1	10.9	14.1	13.7	13.0	12.6
Householder	6.9	9.1	9.1	8.6	8.2	10.2	12.8	12.7	12.0	11.5
Related children under 18 years	11.4	16.1	15.6	15.3	15.0	15.9	21.3	20.5	20.0	19.6
Other family members	4.7	6.4	6.4	5.7	5.4	7.5	9.8	9.5	8.6	8.3
Unrelated individuals	19.7	19.9	19.6	19.2	18.2	28.6	27.9	27.0	27.3	26.3
Black	31.0	33.8	31.3	31.1	33.1	38.9	41.4	38.8	38.7	40.2
In families	30.0	33.2	30.5	29.7	31.6	39.0	40.7	37.9	37.1	38.6
Householder	27.6	30.9	28.7	28.0	29.9	36.2	38.2	35.8	35.0	36.4
Related children under 18 years	40.8	46.2	43.1	42.7	45.1	51.1	54.1	51.0	50.8	52.8
Other family members	18.2	20.5	17.7	16.5	18.1	26.1	27.7	24.8	23.3	24.2
Unrelated individuals	37.3	35.8	34.7	36.5	38.3	45.4	44.6	42.7	47.3	47.2
In families with female householder, no husband present²	32.0	34.0	33.5	34.2	33.6	41.3	41.8	41.1	42.4	41.4
In families	34.9	36.4	37.6	38.3	38.3	43.2	45.3	44.5	45.8	44.8
Householder	30.4	34.5	34.0	34.8	34.3	38.2	41.5	40.8	41.6	40.6
Related children under 18 years	48.6	54.0	53.6	54.4	54.7	58.0	61.2	60.7	62.3	61.9
Other family members	16.9	19.1	17.3	17.5	17.0	23.9	25.7	24.2	24.1	22.6
Unrelated individuals	26.0	24.4	24.8	25.1	23.7	37.0	34.2	33.9	35.0	33.6
In all other families²	7.0	9.3	8.8	8.2	8.2	10.8	13.5	12.8	11.8	11.9
In families	6.3	8.5	8.2	7.3	7.4	9.8	12.6	11.9	10.9	10.9
Householder	5.5	7.2	7.0	6.3	6.3	8.8	10.8	10.5	9.5	9.4
Related children under 18 years	8.5	12.5	11.7	10.8	10.9	13.0	17.7	16.5	15.4	15.4
Other family members	5.1	8.7	6.6	5.6	5.6	8.1	10.2	9.8	8.8	8.8
Unrelated individuals	16.9	18.7	17.4	17.5	17.5	22.9	24.8	23.2	23.5	23.6

¹ Population controls based on 1980 census; see text section 14

² Includes races and members of unrelated subfamilies not shown separately

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 161, and unpublished data.

NO. 736. PERSONS BELOW POVERTY LEVEL, BY RACE, HISPANIC ORIGIN, AGE, AND REGION: 1987

[Persons as of March 1988. Based on Current Population Survey; see headnote, table 720. For explanation of poverty level, see text, section 14. For composition of regions, see fig. 1, inside front cover]

AGE AND REGION	NUMBER BELOW POVERTY LEVEL (1,000)				PERCENT BELOW POVERTY LEVEL			
	All races ¹	White	Black	Hispanic ²	All races ¹	White	Black	Hispanic ²
Total.. ..	32,546	21,408	8,883	5,470	13.5	10.5	33.1	28.2
Under 18 years old	11,859	7,288	4,007	2,493	21.2	16.2	46.7	40.6
18-21 years old	3,455	2,148	1,144	585	15.9	12.1	36.0	27.5
22-44 years old	9,596	6,470	2,847	1,828	10.7	8.5	21.2	21.2
45-64 years old	4,145	2,805	1,077	538	8.1	7.4	23.5	20.4
65 years old and over	3,491	2,597	808	247	12.2	10.1	33.9	27.4
Northeast	5,476	3,880	1,381	1,232	11.0	8.9	28.8	36.6
Midwest	7,499	5,185	2,041	368	12.7	9.8	36.6	27.5
South	13,287	7,426	5,848	1,810	18.1	11.5	34.5	31.0
West	6,285	4,839	803	1,682	12.6	11.5	24.3	23.0

¹ Includes other races not shown separately. ² Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 161.

NO. 737. PERSONS 65 YEARS OLD AND OVER BELOW POVERTY LEVEL, BY SELECTED CHARACTERISTICS: 1970 TO 1987

[Persons as of March of following year. See headnote, table 736]

CHARACTERISTIC	NUMBER BELOW POVERTY LEVEL (1,000)					PERCENT BELOW POVERTY LEVEL				
	1970	1979 ¹	1985	1986	1987	1970	1979 ¹	1985	1986	1987
Persons, 65 yr. and over ²	4,793	3,882	3,458	3,477	3,481	24.6	16.2	12.6	12.4	12.2
White	4,011	2,911	2,688	2,688	2,587	22.6	13.3	11.0	10.7	10.1
Black	735	740	717	722	808	47.7	38.3	31.5	31.0	33.9
Hispanic ²	(NA)	154	218	204	247	(NA)	26.8	23.9	22.5	27.4
In families	2,013	1,380	1,173	1,164	1,247	14.8	8.4	6.4	6.2	6.5
Householder	1,188	822	708	716	751	18.5	8.1	7.0	7.0	7.2
Male	980	628	498	520	533	15.9	8.4	6.0	6.1	6.1
Female	209	193	210	196	218	20.1	13.0	12.1	11.8	12.6
Other members	825	558	485	448	498	13.0	7.6	5.6	5.2	5.7
Unrelated individuals	2,778	2,298	2,281	2,311	2,241	47.2	29.4	25.6	25.2	24.0
Male	548	428	402	412	416	38.9	25.3	20.5	19.6	19.3
Female	2,230	1,871	1,879	1,899	1,825	49.8	30.5	27.0	26.8	25.4
Persons, 80 yr. and over	5,977	4,753	4,877	4,847	4,857	21.3	13.9	12.3	11.7	11.8

NA Not available. ¹ Population controls based on 1980 census; see text, section 14. ² Beginning 1979, includes members of unrelated subfamilies not shown separately. For earlier years, unrelated subfamily members are included in the "in families" category. ³ Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 161, and unpublished data.

NO. 738. CHILDREN BELOW THE POVERTY LEVEL, BY RACE AND HISPANIC ORIGIN: 1970 TO 1987

[Persons as of March of the following year. Covers only related children in families under 18 years old. Based on Current Population Survey; see headnote, table 720. For explanation of poverty, see text, section 14. For composition of regions, see fig. 1, inside front cover]

YEAR AND REGION	NUMBER BELOW POVERTY LEVEL (1,000)				PERCENT BELOW POVERTY LEVEL			
	All races ¹	White	Black	Hispanic ²	All races ¹	White	Black	Hispanic ²
1970	10,235	6,138	3,822	(NA)	14.9	10.5	41.5	(NA)
1971	10,344	6,341	3,838	(NA)	15.1	10.9	40.7	(NA)
1972	10,082	5,784	4,025	(NA)	14.9	10.1	42.7	(NA)
1973	9,453	5,462	3,822	1,384	14.2	9.7	40.8	27.8
1974	9,987	6,079	3,713	1,414	15.1	11.0	39.6	28.6
1975	10,882	6,748	3,884	1,619	16.8	12.6	41.4	33.1
1976	10,081	6,034	3,758	1,424	15.8	11.3	40.4	30.1
1977	10,028	5,943	3,850	1,402	16.0	11.4	41.8	28.0
1978	9,722	5,874	3,781	1,354	15.7	11.0	41.2	27.2
1979	9,993	5,909	3,745	1,505	16.0	11.4	40.8	27.7
1980	11,114	6,817	3,808	1,718	17.9	13.4	42.1	33.0
1981	12,088	7,429	4,170	1,874	19.5	14.7	44.9	35.4
1982	13,136	8,282	4,388	2,117	21.3	16.5	47.3	38.9
1983	13,427	8,534	4,273	2,251	21.8	17.0	48.2	37.7
1984	12,929	8,086	4,320	2,317	21.0	16.1	48.2	36.7
1985	12,483	7,838	4,067	2,512	20.1	15.8	43.1	39.6
1986	12,257	7,714	4,039	2,413	19.8	15.3	42.7	37.1
1987	12,435	7,550	4,297	2,631	20.0	15.0	45.1	39.3
Northeast	1,988	1,342	571	800	16.9	13.5	39.4	52.9
Midwest	2,874	1,821	942	184	18.4	13.6	51.6	26.9
South	5,062	2,466	2,511	893	23.4	15.7	45.9	43.7
West	2,522	1,922	273	953	18.9	16.9	36.4	31.9

NA Not available. ¹ Includes persons of other races, not shown separately. ² Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 161, and earlier reports.

NO. 738. FAMILIES BELOW POVERTY LEVEL AND BELOW 125 PERCENT OF POVERTY LEVEL: 1959 TO 1987

[Families as of March of the following year. For explanation of poverty level, see text, section 14]

YEAR	NUMBER BELOW POVERTY LEVEL (1,000)				PERCENT BELOW POVERTY LEVEL				BELOW 125 PERCENT OF POVERTY LEVEL	
	All races ¹	White	Black	Hispanic ²	All races ¹	White	Black	Hispanic ²	Number (1,000)	Percent
1959	8,320	6,185	1,880	(NA)	18.5	15.2	48.1	(NA)	11,790	26.2
1960	8,243	6,115	(NA)	(NA)	18.1	14.9	(NA)	(NA)	11,525	25.4
1961	5,784	4,108	1,620	(NA)	11.8	9.3	35.5	(NA)	8,637	17.6
1962	5,008	3,575	1,388	(NA)	9.7	7.7	27.9	(NA)	7,353	14.3
1963	5,280	3,708	1,481	(NA)	10.1	8.0	29.5	(NA)	7,516	14.4
1964	5,303	3,751	1,484	(NA)	10.0	7.9	28.8	(NA)	7,781	14.6
1965	5,075	3,441	1,529	(NA)	9.3	7.1	29.0	(NA)	7,347	13.5
1966	4,828	3,219	1,527	488	8.8	6.6	28.1	19.8	7,044	12.8
1967	4,922	3,352	1,479	526	8.8	6.8	26.9	21.2	7,195	12.9
1968	5,450	3,838	1,513	627	9.7	7.7	27.1	25.1	7,974	14.2
1969	5,311	3,580	1,617	588	9.4	7.1	27.9	23.1	7,647	13.5
1970	5,311	3,540	1,637	591	9.3	7.0	28.2	21.4	7,713	13.5
1971	5,280	3,523	1,622	559	9.1	6.9	27.5	20.4	7,417	12.8
1972	5,320	3,515	1,886	610	9.1	6.8	27.6	19.7	7,586	13.0
1973	5,481	3,581	1,722	614	9.2	6.9	27.8	20.3	7,784	13.1
1974	6,217	4,185	1,828	751	10.3	8.0	28.9	23.2	8,764	14.5
1975	6,851	4,670	1,972	782	11.2	8.8	30.8	24.0	9,588	15.7
1976	7,512	5,118	2,158	916	12.2	9.6	33.0	27.2	10,279	16.7
1977	7,881	5,254	2,181	985	12.4	9.7	32.3	28.0	10,410	16.8
1978	7,277	4,925	2,084	981	11.6	9.1	30.9	25.2	9,901	15.8
1979 ³	7,223	4,883	1,983	1,074	11.4	9.1	28.7	25.5	9,753	15.3
1980 ⁴	7,023	4,811	1,987	1,085	10.9	8.6	28.0	24.7	9,476	14.7
1981	7,059	4,592	2,149	1,183	10.8	8.2	29.9	25.8	9,458	14.5

NA Not available. ¹ Includes other races not shown separately. ² Hispanic persons may be of any race. ³ Population controls based on 1970 census; see text, section 14. ⁴ Population controls based on 1980 census; see text, section 14

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 161.

NO. 740. FAMILIES BELOW POVERTY LEVEL—SELECTED CHARACTERISTICS, BY RACE AND HISPANIC ORIGIN: 1987

[In thousands, except percent. Families as of March 1988. For explanation of poverty, see text, section 14. For composition of regions, see fig. 1, inside front cover]

CHARACTERISTIC	NUMBER BELOW POVERTY LEVEL				PERCENT BELOW POVERTY LEVEL			
	All races ¹	White	Black	Hispanic ²	All races ¹	White	Black	Hispanic ²
Total	7,859	4,582	2,149	1,183	10.8	8.2	28.9	25.8
Age of householder								
15-24 years old	863	558	285	157	29.5	23.8	56.7	37.8
25-34 years old	2,317	1,429	782	415	15.4	11.4	39.4	28.9
35-44 years old	1,595	1,081	431	304	10.1	8.0	24.4	25.5
45-54 years old	774	478	247	140	7.0	5.0	20.8	19.6
55-64 years old	759	535	190	97	7.8	6.2	22.9	19.0
65 years old and over	751	511	215	70	7.2	5.4	23.7	21.6
Northeast	1,220	859	312	320	9.1	7.2	26.3	34.9
Midwest	1,620	1,090	467	82	10.2	7.7	33.6	28.7
South	2,825	1,636	1,237	398	12.8	8.8	31.1	27.0
West	1,283	1,007	133	383	9.9	8.8	21.3	20.3
Size of family								
2 persons	2,346	1,645	609	234	8.7	6.9	25.4	20.0
3 persons	1,622	1,040	519	268	10.5	7.9	28.4	24.0
4 persons	1,414	906	457	255	10.3	7.7	29.5	22.7
5 persons	864	538	280	212	14.8	11.1	37.4	33.9
6 persons	453	273	137	114	22.0	17.1	40.3	35.8
7 persons or more	380	191	148	101	29.5	23.5	46.6	42.3
Mean size	3.54	3.44	3.70	4.10	(x)	(x)	(x)	(x)
Mean number of children per family with children	2.25	2.19	2.38	2.61	(x)	(x)	(x)	(x)
Education of householder: ³								
Elementary: Less than 8 years	1,207	827	299	476	26.3	25.4	36.4	40.9
8 years	552	403	133	89	17.1	14.4	34.9	31.3
High school: 1 to 3 years	1,406	810	558	203	18.8	13.4	42.6	30.6
4 years	2,132	1,377	685	187	9.3	6.9	27.8	16.3
College: 1 year or more	889	617	191	72	3.7	2.9	11.2	7.8
Work experience of householder in 1987: ⁴								
Total	7,022	4,587	2,137	1,178	10.9	8.2	30.4	26.1
Worked	3,311	2,349	840	563	6.7	5.4	17.5	16.2
50 to 52 weeks	1,334	1,012	288	289	3.4	2.9	8.2	10.2
1 to 49 weeks	1,977	1,337	555	285	19.9	16.2	41.3	34.4
Did not work	3,712	2,219	1,297	615	25.3	18.4	58.2	59.0

X Not applicable. ¹ Includes other races not shown separately. ² Hispanic persons may be of any race. ³ Household- or 25 years old and over. ⁴ Restricted to families with civilian workers.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 161

NO. 741. FAMILIES BELOW POVERTY LEVEL AND BELOW 125 PERCENT OF POVERTY LEVEL, BY TYPE:
1970 TO 1986

[In thousands, except percent. Families include unrelated individuals and are therefore not directly comparable to Census Bureau definitions; see text, section 1. Adjustments for family size and inflation were made to family income and poverty thresholds, see text, section 14. Based on March Current Population Survey, 1971-1987]

ITEM	1970	1975	1980	1981	1982	1982	1984	1986	1989
NUMBER OF FAMILIES									
All families	67,281	76,365	87,702	89,999	89,625	91,965	93,398	95,297	96,602
Families with children ¹	30,087	31,392	33,116	32,901	32,931	33,130	33,353	33,952	34,267
Married couples	24,457	24,639	24,611	24,149	24,106	24,101	23,960	24,444	24,426
Single mothers	3,398	4,678	6,014	6,205	6,150	6,410	6,571	6,646	6,652
Nonelderly units:									
Childless families	14,977	16,965	18,534	19,195	19,487	19,805	20,161	20,175	20,677
Unrelated individuals	9,499	13,252	19,006	19,445	19,964	20,573	21,403	22,312	22,360
Elderly units:									
Childless families	6,907	7,904	9,050	9,294	9,414	9,567	9,999	9,935	10,113
Unrelated individuals	5,840	6,851	7,991	6,134	8,406	8,590	8,764	8,922	9,165
NUMBER OF FAMILIES BELOW POVERTY LEVEL									
All families	9,775	9,630	10,869	11,578	12,142	12,695	12,091	12,203	12,269
Families with children ¹	3,330	3,903	4,432	4,691	5,291	5,463	5,230	5,177	5,189
Married couples	1,558	1,629	1,555	1,683	1,999	2,051	1,677	1,803	1,944
Single mothers	1,509	2,050	2,496	2,948	2,690	2,948	2,916	2,957	3,121
Nonelderly units:									
Childless families	662	811	567	797	920	954	907	999	626
Unrelated individuals	2,146	2,677	3,307	3,501	3,578	3,975	3,680	3,990	4,016
Elderly units:									
Childless families	965	504	574	527	527	529	406	420	413
Unrelated individuals	2,672	1,396	1,999	1,972	1,827	1,774	1,859	1,718	1,815
PERCENT BELOW POVERTY LEVEL									
All families	15	13	12	13	14	14	13	13	13
Families with children ¹	11	12	13	14	16	16	16	15	15
Married couples	6	7	8	7	8	9	8	7	7
Single mothers	45	44	42	43	47	46	44	44	46
Nonelderly units:									
Childless families	4	4	3	4	5	5	4	4	4
Unrelated individuals	23	20	17	18	16	19	18	18	18
Elderly units:									
Childless families	14	6	6	6	6	6	4	4	4
Unrelated individuals	46	26	25	24	22	21	19	19	20
PERCENT BELOW 125 PERCENT OF POVERTY LEVEL									
All families	20	19	18	18	19	19	18	18	18
Families with children ¹	18	18	17	19	21	22	21	19	19
Married couples	11	11	10	11	12	13	12	10	10
Single mothers	54	53	48	51	54	53	53	52	54
Nonelderly units:									
Childless families	6	6	5	6	7	7	7	7	6
Unrelated individuals	27	26	23	23	24	24	24	22	22
Elderly units:									
Childless families	22	13	11	11	10	9	8	8	6
Unrelated individuals	59	44	40	40	36	35	33	33	34

¹ Includes other types of families not shown separately.
Source: Congressional Budget Office, *Trends in Family Income: 1970-1986*, February 1988.

No. 742. PERSONS BELOW POVERTY LEVEL AND POVERTY RATE, BY VALUATION TECHNIQUE AND TYPE OF NONCASH BENEFIT INCLUDED: 1980 TO 1987

[Persons as of March of the following year. Valuation techniques that are used to measure noncash benefits are as follows: (1) Market value approach which is equal to the purchase price in the private market of the goods received by the recipient; and (2) recipient and/or cash equivalent approach which is the amount of cash that would make the recipient just as well off as the in-kind transfer or would reflect the recipient's own valuation of the benefit. For more information on the methodology, see source]

VALUATION TECHNIQUE AND TYPE OF NONCASH BENEFIT INCLUDED	1980	1981	1982	1984	1985	1986	1987
NUMBER BELOW POVERTY LEVEL (1,000)							
Current poverty definition ¹	29,272	34,368	35,515	33,700	33,064	32,370	32,546
Market value approach:							
Including food and housing.....	25,042	30,988	32,123	30,103	29,489	28,908	29,004
Including food, housing, and medical benefits, excluding institutional expenditures.....	18,221	23,563	24,512	23,019	21,941	20,983	20,440
Recipient and/or cash equivalent approach:							
Including food and housing.....	25,633	31,365	32,718	30,909	30,351	29,713	29,821
Including food, housing, and medical benefits, excluding institutional expenditures.....	23,885	29,407	30,720	28,917	28,281	26,579	26,575
PERCENT BELOW POVERTY LEVEL							
Current poverty definition ¹	13.0	15.0	15.3	14.4	14.0	13.6	13.5
Market value approach:							
Including food and housing.....	11.1	13.4	13.9	12.9	12.5	12.1	12.0
Including food, housing, and medical benefits, excluding institutional expenditures.....	8.1	10.3	10.6	9.8	9.3	8.8	8.5
Recipient and/or cash equivalent approach:							
Including food and housing.....	11.4	13.7	14.1	13.2	12.8	12.5	12.4
Including food, housing, and medical benefits, excluding institutional expenditures.....	10.6	12.8	13.3	12.4	12.0	11.1	11.0

¹ See text, section 14.
Source: U.S. Bureau of the Census, *Estimates of Poverty Including the Value of Noncash Benefits: 1987*, Technical Paper 58.

No. 743. PERSONS BELOW POVERTY LEVEL AND POVERTY RATE, BY SELECTED CHARACTERISTIC, USING ALTERNATIVE METHODS OF VALUING NONCASH BENEFITS: 1987

[Persons as of March 1988. For explanation of valuation techniques, see headnote, table 742. For composition of regions, see fig. 1, inside front cover]

CHARACTERISTIC	NUMBER (1,000)					PERCENT BELOW POVERTY LEVEL				
	Current poverty definition	Market value		Recipient value		Current poverty definition	Market value		Recipient value	
		Valuing food and housing	Valuing food, housing, and medical benefits, excluding institutional expenditures	Valuing food and housing	Valuing food, housing, and medical benefits, excluding institutional expenditures		Valuing food and housing	Valuing food, housing, and medical benefits, excluding institutional expenditures	Valuing food and housing	Valuing food, housing, and medical benefits, excluding institutional expenditures
All persons.....	32,546	29,004	20,440	29,821	26,575	13.5	12.0	8.5	12.4	11.0
Under 6 years old.....	4,983	4,546	3,436	4,640	4,324	22.8	20.8	15.7	12.2	19.8
6-17 years old.....	8,032	6,947	5,010	7,131	6,561	19.4	16.8	12.1	17.2	15.9
18-24 years old.....	3,993	3,710	3,092	3,774	3,571	15.3	14.2	11.9	14.5	13.7
25-44 years old.....	7,901	7,106	5,532	7,295	6,745	10.2	9.2	7.1	9.4	8.7
45-64 years old.....	4,145	3,795	2,777	3,936	3,534	9.1	8.4	6.1	8.7	7.8
65 years old and over.....	3,491	2,899	592	3,044	1,839	12.2	10.2	2.1	10.7	6.4
White.....	21,409	19,336	14,086	19,757	17,864	10.5	9.5	6.9	9.7	8.7
Black.....	9,663	8,349	5,475	8,713	7,768	33.1	28.5	18.7	29.8	26.5
Hispanic ¹	5,470	4,904	3,565	4,974	4,620	26.2	25.3	18.4	25.6	23.8
Northeast.....	5,476	4,748	2,771	4,938	4,261	11.0	9.6	5.6	9.9	8.6
Midwest.....	7,496	6,868	4,560	6,924	6,082	12.7	11.3	7.7	11.7	10.3
South.....	13,267	11,691	8,893	12,205	11,073	16.1	14.4	10.8	14.8	13.4
West.....	6,286	5,667	4,216	5,754	5,158	12.6	11.4	8.5	11.6	10.4

¹ Hispanic persons may be of any race.
Source: U.S. Bureau of the Census, *Estimates of Poverty Including the Value of Noncash Benefits: 1987*, Technical Paper 58.

NO. 744. GROSS AND NET STOCK OF FIXED REPRODUCIBLE TANGIBLE WEALTH IN CURRENT AND CONSTANT (1982) DOLLARS: 1970 TO 1987

[In billions of dollars. As of December 31]

ITEM	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
CURRENT DOLLARS													
Gross stock, total	4,535	7,805	9,368	10,805	12,368	13,914	15,330	15,873	16,788	17,738	18,778	19,723	20,973
Equipment	1,583	2,866	3,297	3,727	4,247	4,849	5,432	5,840	6,160	6,499	6,900	7,352	7,804
Structures	2,752	4,939	6,063	7,177	8,119	9,065	9,899	10,032	10,607	11,235	11,870	12,371	13,169
Private	2,848	4,756	5,922	6,981	7,902	8,943	10,007	10,343	10,929	11,566	12,105	12,693	13,512
Nonresidential equipment	879	1,252	1,558	1,770	2,031	2,353	2,680	2,894	3,008	3,153	3,287	3,447	3,607
Nonresidential structures	774	1,409	1,696	2,004	2,194	2,491	2,823	2,985	3,087	3,280	3,420	3,547	3,747
Residential	1,195	2,094	2,739	3,207	3,677	4,096	4,503	4,484	4,834	5,133	5,399	5,699	6,157
Corporate	1,115	2,056	2,518	2,902	3,264	3,748	4,259	4,542	4,706	4,977	5,202	5,443	5,737
Noncorporate	1,533	2,700	3,474	4,080	4,638	5,195	5,748	5,801	6,223	6,589	6,903	7,248	7,774
Government	1,006	1,730	1,986	2,372	2,704	2,997	3,182	3,234	3,387	3,561	3,848	3,965	4,143
Equipment	224	314	367	406	490	521	590	661	700	739	798	841	879
Structures	782	1,416	1,828	1,968	2,248	2,476	2,572	2,583	2,687	2,822	3,052	3,125	3,264
Federal	371	549	635	710	802	910	997	1,059	1,123	1,182	1,257	1,308	1,359
Military	226	316	366	400	465	533	586	636	683	708	784	823	854
State and local	626	1,181	1,361	1,662	1,862	2,067	2,165	2,175	2,254	2,400	2,591	2,658	2,784
Consumer durable goods	680	1,119	1,372	1,552	1,760	1,974	2,162	2,295	2,452	2,606	2,817	3,064	3,318
Net stock, total	2,837	4,900	5,828	6,584	7,436	8,312	9,094	9,310	9,775	10,325	10,912	11,500	12,100
Private	1,837	2,934	3,681	4,295	4,967	5,484	6,104	6,242	6,583	6,939	7,255	7,603	8,091
Government	627	1,070	1,218	1,449	1,644	1,806	1,894	1,928	2,006	2,100	2,259	2,321	2,423
Consumer durable goods	372	596	725	820	925	1,020	1,096	1,142	1,207	1,286	1,398	1,535	1,684
CONSTANT (1982) DOLLARS													
Gross stock, total	10,743	12,772	13,587	14,088	14,804	15,049	15,467	15,834	16,946	17,338	17,821	18,533	19,217
Equipment	3,344	4,238	4,838	4,889	5,146	5,355	5,558	5,741	5,952	6,223	6,537	6,884	7,217
Structures	7,399	8,536	8,959	9,204	9,458	9,687	9,909	10,093	10,293	10,539	10,798	11,057	11,807
Private	8,989	9,313	9,837	9,164	9,514	9,813	10,106	10,334	10,579	10,904	11,254	11,602	11,945
Nonresidential equipment	1,620	2,084	2,273	2,400	2,537	2,651	2,759	2,834	2,913	3,024	3,154	3,282	3,418
Nonresidential structures	2,118	2,429	2,540	2,609	2,688	2,769	2,865	2,951	3,020	3,104	3,196	3,283	3,323
Residential	3,251	3,800	4,023	4,164	4,291	4,393	4,481	4,546	4,646	4,778	4,906	5,057	5,207
Corporate	2,883	3,480	3,715	3,867	4,036	4,194	4,354	4,481	4,600	4,771	4,969	5,148	5,325
Noncorporate	4,106	4,833	5,122	5,297	5,477	5,619	5,752	5,853	5,979	6,132	6,285	6,454	6,621
Government	2,548	2,839	2,943	3,001	3,058	3,118	3,171	3,230	3,291	3,348	3,422	3,501	3,584
Equipment	518	532	549	561	575	592	609	637	665	689	725	764	817
Structures	2,030	2,307	2,395	2,440	2,481	2,525	2,582	2,594	2,627	2,659	2,697	2,737	2,777
Federal	922	934	952	965	980	999	1,018	1,048	1,075	1,098	1,133	1,168	1,218
Military	554	544	559	561	574	588	600	624	647	666	695	729	769
State and local	1,626	1,905	1,992	2,036	2,076	2,118	2,153	2,185	2,217	2,250	2,304	2,334	2,378
Consumer durable goods	1,206	1,620	1,816	1,928	2,034	2,111	2,190	2,270	2,375	2,511	2,658	2,818	2,984
Net stock, total	7,743	9,177	9,487	9,782	9,972	9,185	9,296	9,488	9,750	10,079	10,418	10,795	11,132
Private	4,313	5,130	5,421	5,622	5,841	6,005	6,158	6,244	6,349	6,535	6,741	6,940	7,132
Government	1,694	1,793	1,798	1,828	1,852	1,878	1,890	1,925	1,949	1,974	2,012	2,053	2,106
Consumer durable goods	659	860	960	1,019	1,069	1,090	1,111	1,129	1,170	1,242	1,327	1,424	1,528

Source: U.S. Bureau of Economic Analysis, *Fixed Reproducible Tangible Wealth in the United States, 1925-85* and *Survey of Current Business*, January 1989 and August 1988.

NO. 745. HOUSEHOLD NET WORTH—OWNERSHIP, MEDIAN EQUITY VALUE OF ASSET HOLDINGS, AND DISTRIBUTION OF NET WORTH, BY TYPE OF ASSET: 1984

[Equity values of asset and liability balances held at the end of months August-November 1984. Excludes persons in group quarters. Based on the Survey of Income and Program Participation; see text, section 14. For definition of median, see Guide to Tabular Presentation]

TYPE OF ASSET	Percent of households owning asset type	Median value of holdings for asset owner	Percent distribution of net worth	TYPE OF ASSET	Percent of households owning asset type	Median value of holdings for asset owner	Percent distribution of net worth
Interest-earning assets at financial institutions	71.8	3,086 (NA)	14.4 (NA)	Checking accounts ¹	53.9	449	.6
Savings accounts	82.9	(NA)	(NA)	Stocks and mutual funds	20.0	3,892	8.6
Money market deposit accounts	18.7	(NA)	(NA)	Own home	64.3	40,587	41.3
Certificates of deposit	19.1	(NA)	(NA)	Rental property	8.8	34,556	9.0
Interest-earning checking	24.9	(NA)	(NA)	Other real estate	10.0	14,791	4.4
Other interest-earning assets	6.8	9,471 (NA)	3.1 (NA)	Vehicles	85.8	4,104	6.0
Money market funds	3.8	(NA)	(NA)	Own business or profession	12.6	8,296	10.3
Government securities	1.4	(NA)	(NA)	U.S. savings bonds	16.0	300	.5
Corporate or municipal bonds	2.6	(NA)	(NA)	IRA or KEOGH accounts	18.5	4,995	2.2
Other interest-earning assets	2.8	(NA)	(NA)	Other financial instruments ²	6.9	12,789	4.9

NA Not available. ¹ Regular non-interest-earning checking accounts. ² Includes mortgages held from sale of real estate; amount due from sale of a business, unit trusts, and other financial investments.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-70, No. 7.

NO. 746. HOUSEHOLD NET WORTH—PERCENT DISTRIBUTION BY SELECTED CHARACTERISTICS: 1984

[See headnote, table 745. Based on the Survey of Income and Program Participation; see text, section 14]

CHARACTERISTIC	Num- ber of house- holds (1,000)	PERCENT DISTRIBUTION OF HOUSEHOLDS BY NET WORTH								Median (dol.)
		Zero or nega- tive	\$1 to \$4,999	\$5,000 to \$9,999	\$10,000 to \$24,999	\$25,000 to \$49,999	\$50,000 to 999,999	\$100,000 to \$249,999	\$250,000 and over	
Total	86,790	11.9	15.3	6.4	12.4	14.5	19.3	15.3	5.9	32,867
Age of householder:										
Less than 35 years old	25,730	19.1	28.9	11.0	17.2	11.9	8.2	2.9	.9	5,764
35 to 44 years old	17,393	9.7	12.5	6.1	13.4	18.3	21.4	13.7	4.7	35,581
45 to 54 years old	12,508	8.2	8.5	4.1	10.6	14.1	24.9	21.0	8.7	56,791
55 to 64 years old	12,920	5.3	7.7	3.3	7.8	13.3	25.3	25.7	11.6	73,984
65 years old and over	16,151	6.7	8.7	4.0	9.1	15.5	24.7	23.1	8.2	60,266
Race of householder:										
White	75,343	8.4	14.0	6.3	12.2	15.0	20.7	16.9	8.5	39,135
Black	9,509	30.5	23.9	8.8	14.0	11.7	9.3	3.3	.6	3,397
Hispanic ¹	4,162	23.9	26.3	7.6	11.4	9.8	13.1	5.1	3.1	4,913
Region:										
Northeast	18,533	12.4	13.7	6.2	10.5	13.6	21.2	17.0	5.6	37,734
Midwest	22,141	9.7	14.4	5.7	12.4	16.7	21.0	14.5	5.7	35,707
South	29,430	10.6	16.2	7.1	14.5	15.5	17.8	13.4	4.9	27,266
West	16,686	11.9	16.7	6.4	10.6	10.7	17.4	17.9	6.5	33,525
Type of household:										
Married-couple households	50,806	6.0	10.5	5.6	12.2	15.6	22.7	19.5	8.0	50,116
Male householder	12,588	15.5	25.1	9.7	13.3	11.6	13.0	8.0	4.0	9,683
Female householder	23,598	19.3	20.3	6.4	12.2	13.5	15.3	10.3	2.6	13,885
Education of householder:										
Less than 12 years	24,736	15.1	17.2	8.6	12.4	15.9	18.6	11.3	2.9	23,447
High school: 4 years	27,454	10.1	17.0	6.3	12.7	14.6	19.9	14.8	4.6	31,892
College: 1 to 3 years	17,171	10.2	16.7	7.2	13.0	13.6	19.3	14.4	5.5	29,121
4 years or more	17,430	7.4	6.5	5.6	11.3	12.8	19.1	22.7	12.6	60,417
Tenure:										
Owner	55,820	1.4	2.9	3.9	13.1	19.6	28.0	22.5	8.7	63,253
Renter	30,970	28.3	37.6	11.0	11.1	5.2	3.6	2.3	.9	1,921

¹ Hispanic persons may be of any race.Source: U.S. Bureau of the Census, *Current Population Reports*, series P-70, No. 7.**NO. 747. HOUSEHOLD NET WORTH—MEDIAN VALUE OF HOLDINGS: 1984**

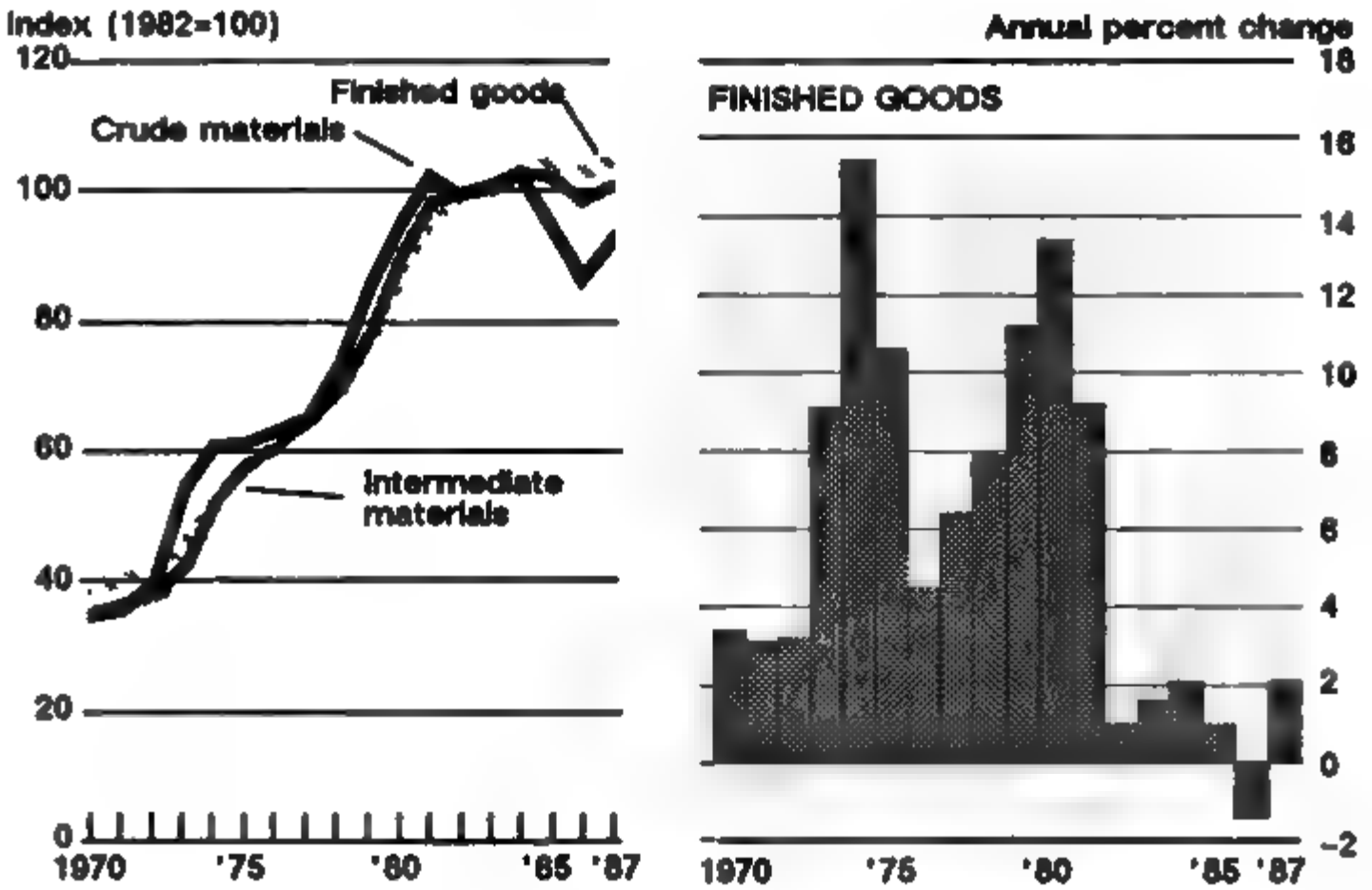
[In dollars. Balances of assets and liabilities held at the end of months August–November 1984. Data exclude group quarters. Based on the Survey of Income and Program Participation; see text, section 14. For definition of median, see Guide to Tabular Presentation]

CHARACTERISTIC	Net worth	Inter- est- earn- ing depos- its ¹	Other inter- est- earn- ing as- sets ²	Regular check- ing ac- counts ³	EQUITY IN—					IRA and KEOGH ac- counts
					Own home	Rental prop- erty	Other real estate	Motor vehic- les	Own busi- ness or profes- sion	
Total	32,867	3,086	9,471	449	40,597	34,566	14,791	4,104	6,298	4,895
Age of householder:										
Less than 35 years old	5,764	901	2,318	327	17,596	17,482	10,225	3,321	2,643	2,484
35 to 44 years old	35,581	1,884	5,280	410	37,266	31,686	14,324	4,499	8,140	4,436
45 to 54 years old	56,791	3,387	7,768	538	46,172	34,164	18,855	6,422	13,271	5,351
55 to 64 years old	73,984	7,340	13,559	588	54,059	42,840	17,746	4,671	10,639	6,390
65 years old and over	60,266	13,255	18,144	651	46,192	42,527	17,329	3,372	5,019	6,369
Race of householder:										
White	39,135	3,457	9,826	457	41,999	34,516	15,466	4,283	7,113	4,922
Black	3,397	739	(B)	318	24,077	27,291	10,423	2,091	2,054	2,450
Hispanic ⁴	4,913	1,176	(B)	359	32,867	23,772	10,689	3,891	6,680	3,257
Region:										
Northeast	37,734	3,923	9,101	424	49,213	29,104	20,259	4,233	6,289	4,914
Midwest	35,707	2,964	8,764	374	37,139	35,752	12,345	4,404	7,057	4,672
South	27,266	2,774	9,570	501	34,129	29,695	12,524	4,042	6,987	4,878
West	33,525	2,982	10,017	496	52,082	44,929	22,037	3,675	5,455	4,781
Type of household:										
Married-couple households	50,116	3,336	9,150	477	42,634	35,119	15,944	4,942	6,987	5,489
Male householder	9,683	2,091	6,369	461	30,236	32,676	10,933	3,102	5,157	4,282
Female householder	13,885	2,941	10,063	358	38,008	26,414	10,849	2,731	1,733	3,976
Education of householder:										
Less than 12 years	23,477	3,885	9,972	392	34,905	30,271	10,503	3,119	5,430	4,692
High school: 4 years	31,892	2,563	7,434	391	39,890	33,085	14,878	4,087	5,884	4,467
College: 1 to 3 years	29,121	2,049	6,077	433	41,114	32,810	13,144	4,182	6,077	4,442
4 or more years	60,417	4,286	9,960	677	51,188	40,976	21,156	5,231	7,884	5,520
Tenure:										
Owner	63,253	4,333	10,051	508	40,597	34,878	15,136	4,692	10,198	5,285
Renter	1,921	1,182	5,056	342	(X)	32,126	12,968	2,725	2,002	3,205

B Base figure too small to meet statistical standards for reliability of derived figure. X Not applicable. ¹ At financial institutions. Includes passbook savings accounts, money market deposit accounts, certificates of deposit, and interest-earning checking accounts. ² Includes money market funds, U.S. Government securities, municipal and corporate bonds, and other interest-earning assets. ³ Excludes interest-earning checking. ⁴ Hispanic persons may be of any race.

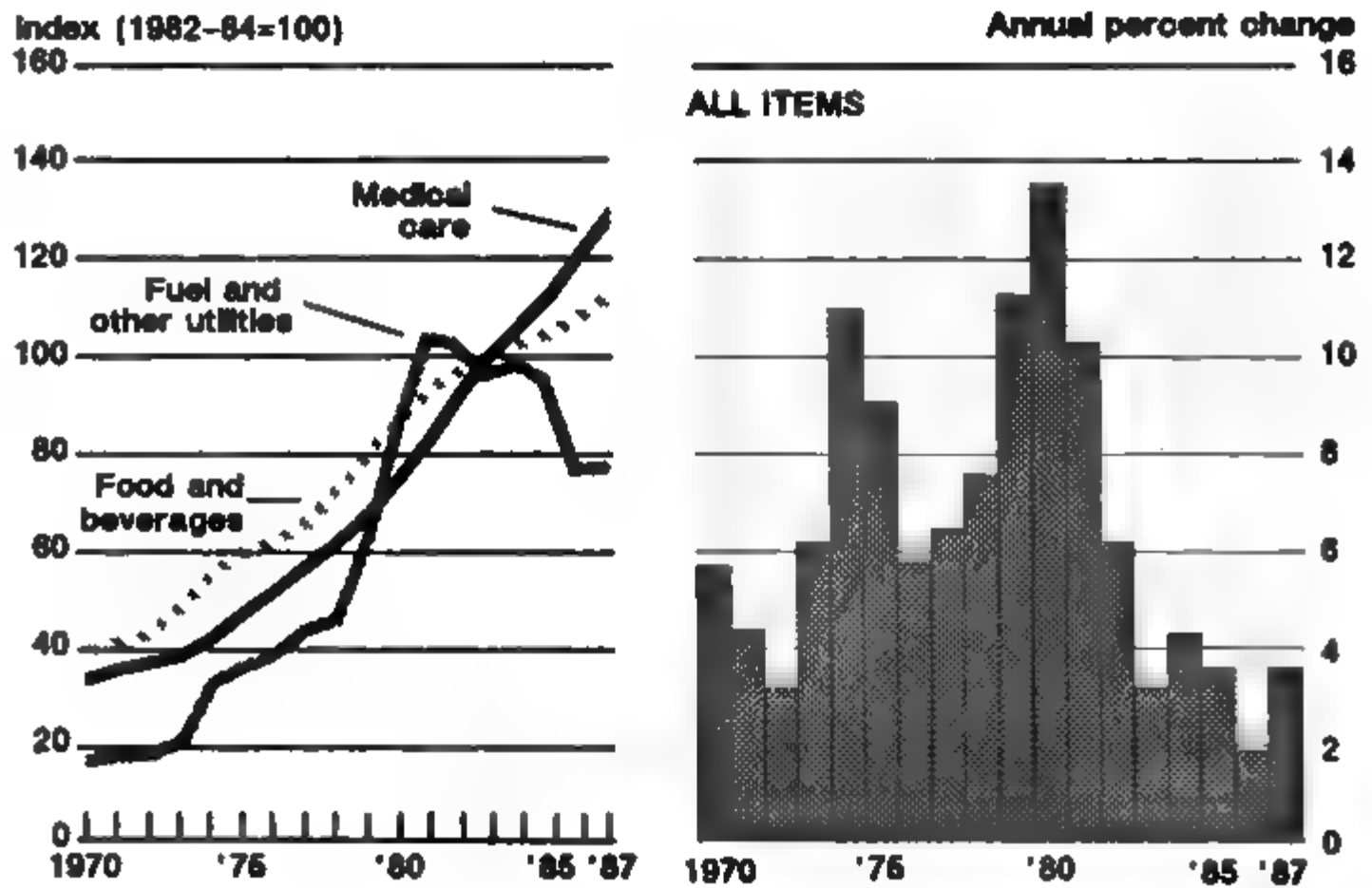
Source: U.S. Bureau of the Census, *Current Population Reports*, series P-70, No. 7.

Figure 15.1
Producer Price Indexes by Stage of Processing: 1970 to 1987



Source: Chart prepared by U.S. Bureau of the Census. For data see tables 749 and 753.

Figure 15.2
Consumer Price Indexes: 1970 to 1987



Source: Chart prepared by U.S. Bureau of the Census. For data see tables 749 and 760.



Section 15

Prices

This section presents indexes of producer and consumer prices, actual prices for selected commodities and energy prices. The primary sources of these data are monthly publications of the Department of Labor, Bureau of Labor Statistics (BLS), which include: *Monthly Labor Review*, *Consumer Price Index, Detailed Report*, *Consumer Prices: Energy and Food*, and *Producer Price Indexes*. The Bureau of Economic Analysis of the Department of Commerce is the source for the gross national product implicit price deflators; see table 751. The Department of Agriculture's Economic Research Service (ERS) produces indexes of prices received and prices paid by farmers; see section 23.

The Bureau of Labor Statistics prepares monthly indexes of producer prices for a large selection of commodities, and monthly indexes of consumer prices for both commodities and services.

Producer price index.—This index, dating from 1890, is the oldest continuous statistical series published by BLS. It is designed to measure average changes in prices received by producers of all commodities, at all stages of processing, produced in the U.S.

The index has undergone several revisions (see *Monthly Labor Review*, February 1982 and April 1978). It is now based on approximately 3,400 commodity price series instead of the approximately 3,200 included in the 1947-1980 period and the 900 included for the period prior to 1947. Indexes for the net output of mining and manufacturing industries have been added in recent years. Prices used in constructing the index are collected from sellers, and generally apply to the first significant large-volume commercial transaction for each commodity—i.e., the manufacturer's or other producer's selling price or the selling price on an organized exchange or at a central market.

The weights used in the index represent the total net selling value of commodities produced or processed in this country. Values are f.o.b. production point and are exclusive of excise taxes. Effective with the release of data for January 1988, many important producer price indexes were changed to a new reference base year, 1982=100, from 1987=100. The base year 1982 coincides with the reference year of the PPI shipment weights, which have been taken primarily from the 1982 Census of Manufactures.

Consumer price indexes (CPI).—The CPI is a measure of the average change in prices over time in a fixed "market basket" of goods and services purchased either by urban wage earners and clerical workers or by all urban consumers.

In 1919, BLS began to publish complete indexes at semiannual intervals, using a weighting structure based on data collected in the expenditure survey of wage-earner and clerical-worker families in 1917-19 (BLS Bulletin 357, 1924). The first major revision of the CPI occurred in 1940, with subsequent revisions in 1953, 1964, 1978, and 1987.

Beginning with the release of data for January 1988 in February 1988, most Consumer Price Indexes shifted to a new reference base year. All indexes previously expressed on a base of 1987=100, or any other base through December 1981, have been rebased to 1982-84=100. Selection of the 1982-84 period was made to coincide with the updated expenditure weights, which are based upon data tabulated from the Consumer Expenditure Surveys for 1982, 1983, and 1984.

BLS publishes CPI's for two population groups: (1) a CPI for All Urban Consumers (CPI-U) which covers approximately 80 percent of the total population; and (2) a CPI for Urban Wage Earners and Clerical Workers (CPI-W) which covers 32 percent of the total population. The CPI-U includes in addition to wage earners and clerical workers, groups which historically have been excluded from CPI coverage, such as professional, managerial, and technical workers, the self-employed, short-term workers, the unemployed, and retirees and others not in the labor force.

The current CPI is based on prices of food, clothing, shelter, fuels, transportation fares, charges for doctors' and dentists' services, drugs, etc. purchased for day-to-day living. Prices are collected in 85 areas across the country from over 57,000 housing units and 19,000 establishments. Area selection was based on the 1980 census. All taxes directly associated with the purchase and use of items are included in the index. Prices of food, fuels, and a few other items are obtained every

month in all 85 locations. Prices of most other commodities and services are collected monthly in the five largest geographic areas and every other month in other areas.

In calculating the index, each item is assigned a weight to account for its relative importance in consumers' budgets. Price changes for the various items in each location are then averaged. Local data are then combined to obtain a U.S. city average. Separate indexes are also published for regions, area size-classes, cross-classifications of regions and size-classes, and for 27 local areas, usually consisting of the Metropolitan Statistical Area (MSA); see Appendix II. Area definitions are those established by the Office of Management and Budget in 1983. Definitions do not include revisions made since 1983. Area indexes do not measure differences in the level of prices among cities, they only measure the average change in prices for each area since the base period. For further detail regarding the CPI, see the *BLS Handbook of Methods*, Bulletin 2285, Chapter 19: the Consumer Price Index, and Report 736, the CPI: 1987 Revision.

In January 1983, the method of measuring homeownership costs in the CPI-U was changed to a rental equivalence approach. This treatment calculates homeowner costs of the shelter based on the implicit rent owners would pay to rent the homes they own. The rental equivalence approach was introduced into the CPI-W in January 1985.

Other price indexes.—The fixed-weighted price index is a weighted average of the detailed price indexes used in the deflation of goods and services that make up the GNP. These price indexes are combined using weights that reflect the composition of GNP in 1982. Because the same weights are used for each period, changes in this index measure changes in prices over any period. The chain price index is an alternative measure of price change. It is a weighted average of the same detailed price indexes, but they are combined using weights that reflect the composition of GNP in the first of two consecutive periods. Thus, changes in this index measure changes in prices only between the consecutive periods.

The implicit price deflator is a by-product of the deflation of GNP. It is derived as the ratio of current- to constant-dollar GNP (multiplied by 100). It is a weighted average of the detailed price indexes used in the deflation of GNP, but they are combined using weights that reflect the composition of GNP in each period. Thus, changes in the implicit price deflator reflect not only changes in prices but also changes in the composition of GNP.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability pertaining to the producer price index and the CPI, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

No. 748. PURCHASING POWER OF THE DOLLAR: 1950 TO 1987

[Indexes: PPI, 1982=100; CPI, 1982-84=100. Producer prices prior to 1981, and consumer prices prior to 1984, exclude Alaska and Hawaii. Producer prices based on finished goods index. Obtained by dividing the average price index for the 1982=100, PPI; 1982-84=100, CPI base periods (100.0) by the price index for a given period and expressing the result in dollars and cents. Annual figures are based on average of monthly data]

YEAR	ANNUAL AVERAGE AS MEASURED BY—		YEAR	ANNUAL AVERAGE AS MEASURED BY—		YEAR	ANNUAL AVERAGE AS MEASURED BY—	
	Producer prices	Consumer prices		Producer prices	Consumer prices		Producer prices	Consumer prices
1950.....	\$3.546	\$4.151	1983.....	\$2.994	\$3.265	1976.....	\$1.645	\$1.757
1951.....	3.247	3.646	1984.....	2.965	3.220	1977.....	1.546	1.649
1952.....	3.266	3.765	1985.....	2.933	3.186	1978.....	1.433	1.532
1953.....	3.300	3.735	1986.....	2.841	3.080	1979.....	1.269	1.380
1954.....	3.269	3.717	1987.....	2.809	2.983	1980.....	1.136	1.215
1955.....	3.279	3.732	1988.....	2.732	2.873	1981.....	1.041	1.098
1956.....	3.195	3.678	1989.....	2.632	2.726	1982.....	1.000	1.036
1957.....	3.077	3.549	1970.....	2.545	2.574	1983.....	.984	1.003
1958.....	3.012	3.457	1971.....	2.489	2.488	1984.....	.994	.961
1959.....	3.021	3.427	1972.....	2.392	2.391	1985.....	.955	.926
1960.....	2.994	3.373	1973.....	2.193	2.251	1986.....	.959	.913
1961.....	2.994	3.340	1974.....	1.901	2.029	1987.....	.949	.880
1962.....	2.965	3.304	1975.....	1.718	1.859			

Source: U.S. Bureau of Labor Statistics. Monthly data in U.S. Bureau of Economic Analysis, *Survey of Current Business*.

NO. 748. ANNUAL PERCENT CHANGE IN SELECTED PRICE INDEXES: 1960 TO 1987

[Yearly averages. Minus sign (-) indicates decrease. GNP—Gross national product; see text, section 16]

YEAR OR PERIOD	CONSUMER PRICES (1962-64 = 100)						PRODUCER PRICES (1962 = 100)					GNP DEFLATOR ² (1962 = 100)				PCE ³
	All items	Food	Fuel oil and other household fuel commodities ¹	Gas (piped) and electricity	Rent	Services	Finished goods		Inter-mediate goods	Crude goods		Gross do-mestic product, total	Gross do-mestic business product	Gross non-farm business product		
							Total	Consumer goods		Total	Fuel					
1960 ⁴	1.7	1.0	7	4.0	1.3	3.4	.9	.9	-	-2.3	1.0	1.6	1.2	1.2	1.9	
1961	1.0	1.3	2.2	.9	1.3	1.7	-	-	6	-7	-	1.0	.9	.8	1.3	
1962	1.0	.7	7	-	1.3	2.0	.3	.3	-	1.0	-1.0	2.2	1.8	2.1	1.8	
1963	1.3	1.6	1.4	-	1.0	2.0	-.3	-.8	.3	-2.0	1.0	1.6	.9	.8	1.6	
1964	1.3	1.3	-	-	1.0	2.0	.3	.3	.3	1.0	-	1.6	1.2	1.2	1.7	
1965	1.6	2.2	1.4	-	1.0	2.3	1.8	1.8	1.3	5.1	1.0	2.7	2.3	2.0	1.7	
1966	2.9	5.0	2.7	.4	1.5	3.8	3.2	3.5	2.6	6.4	2.6	3.6	3.1	2.8	3.1	
1967	3.1	.8	3.3	.4	1.7	4.3	1.1	.6	6	5.4	3.7	2.6	2.5	2.0	2.6	
1968	4.2	3.5	3.2	.8	2.6	5.2	2.8	2.5	2.5	1.6	1.8	5.0	4.6	4.3	4.6	
1969	5.5	5.1	1.9	1.7	3.2	6.9	3.8	3.8	3.3	6.6	4.3	5.6	4.9	4.9	4.2	
1970	5.7	5.7	4.3	4.5	4.0	8.0	2.4	2.2	3.8	3.8	15.0	5.5	4.7	4.6	4.6	
1971	4.4	3.1	7.1	6.7	4.7	5.7	3.1	2.9	4.0	2.3	13.8	5.7	4.9	4.6	4.7	
1972	3.2	4.2	.5	5.2	3.5	3.6	3.2	3.2	3.8	10.6	7.0	4.7	4.0	3.8	4.0	
1973	6.2	14.5	15.3	4.9	4.2	4.4	6.1	10.8	11.0	36.6	10.7	6.5	6.4	4.7	6.2	
1974	11.0	14.3	57.3	15.4	5.1	9.2	15.4	15.4	23.6	12.7	33.3	9.1	8.3	8.7	10.3	
1975	9.1	8.5	9.6	16.2	5.1	9.6	10.6	9.6	10.5	.3	23.4	9.8	10.0	10.7	9.0	
1976	5.8	3.0	6.6	11.5	5.3	8.3	4.5	3.8	5.0	2.9	12.7	6.4	6.0	6.3	6.7	
1977	6.5	6.3	13.1	13.0	6.1	7.7	6.4	6.5	6.8	3.3	21.7	6.7	6.6	6.7	6.6	
1978	7.6	9.9	5.2	8.9	6.8	8.8	7.9	7.9	7.1	12.1	14.8	7.3	7.3	7.0	7.3	
1979	11.3	11.0	35.1	10.9	7.2	11.0	11.2	11.7	12.8	17.0	18.9	8.9	8.0	8.6	9.2	
1980	13.5	8.6	38.0	17.0	6.9	15.4	13.4	14.3	15.2	10.9	21.1	9.0	8.1	8.7	10.7	
1981	10.3	7.8	21.5	14.7	6.7	13.1	9.2	9.0	9.2	8.1	22.2	9.7	9.7	9.6	9.3	
1982	6.2	4.1	-1.1	13.6	7.6	9.0	4.1	3.5	1.4	2.9	17.9	6.4	6.0	6.4	6.7	
1983	3.2	2.1	-6.0	8.9	5.8	3.5	1.8	1.3	.8	1.2	6.1	3.9	3.6	3.6	4.1	
1984	4.3	3.8	2.3	3.6	5.2	5.2	2.1	2.0	2.5	2.2	-	3.7	3.6	3.2	3.6	
1985	3.6	2.3	-3.5	1.6	6.2	6.1	1.0	5	.4	7.4	2.3	3.1	2.7	3.3	3.2	
1986	1.9	3.2	-19.1	-1.3	5.8	5.0	-1.4	-2.3	-3.5	6.5	10.2	2.6	2.6	2.6	2.4	
1987	3.6	4.1	.4	-1.6	4.1	4.2	2.1	2.2	2.4	6.8	-6.8	3.3	2.9	3.0	4.9	
1980-85 ⁵	1.3	1.4	1.1	.2	1.1	2.0	.4	.4	.3	.5	.2	1.8	1.4	1.4	1.6	
1965-70 ⁶	4.3	4.0	3.1	1.6	2.6	5.6	2.9	2.7	2.6	2.5	5.4	4.4	3.9	4.0	3.6	
1970-75 ⁶	6.6	5.8	16.4	9.6	4.5	6.5	6.2	6.3	10.4	11.8	17.3	7.1	6.9	6.7	6.7	
1975-80 ⁶	6.9	7.7	18.8	12.2	6.9	10.2	6.6	6.6	9.3	9.1	17.8	7.6	7.7	7.7	7.9	
1980-85 ⁶	5.5	4.0	2.2	8.4	6.7	7.1	3.5	3.2	2.6	1	6.2	6.3	6.1	6.2	6.2	

- Represents zero. ¹ Includes bottled gas. ² Implicit price deflator. Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July 1988.
³ PCE—Personal consumption expenditures. See table 751. ⁴ Base year for percent change is 1959. ⁵ Average annual percent change. For explanation of average annual percent change, see Guide to Tabular Presentation.

Source: Except as noted, U.S. Bureau of Labor Statistics, *Monthly Labor Review*.

NO. 758. INDEXES OF SPOT PRIMARY MARKET PRICES: 1970 TO 1988

[1967 = 100. Index computed weekly through 1981, daily, beginning May 27, 1981. Represents unweighted geometric average of price quotations of 22 commodities. This index is much more sensitive to changes in market conditions than is a monthly producer price index.]

ITEM AND NUMBER OF COMMODITIES	1970 (5-19)	1975 (5-24)	1975 (5-26)	1980 (5-24)	1981 (5-26)	1982 (5-25)	1983 (5-23)	1984 (5-22)	1985 (5-21)	1986 (5-20)	1987 (5-26)	1988 (5-27)
All commodities (22)	113.6	168.9	201.3	266.1	267.9	247.8	249.6	263.9	261.4	216.9	266.9	276.3
Foodstuffs (9)	112.2	215.3	265.1	280.9	244.2	252.8	246.1	269.9	246.1	205.5	216.2	220.1
Raw materials (13)	114.4	174.1	263.0	280.0	265.4	243.9	252.3	269.7	265.6	226.9	277.3	302.9
Livestock and products (5)	123.6	240.8	336.3	280.5	265.2	312.1	278.1	364.5	364.6	231.2	309.3	316.1
Minerals (3)	125.2	166.6	232.8	267.9	267.3	216.2	225.9	250.4	220.2	191.2	230.6	276.7
Textiles and other (4)	89.9	159.9	192.2	224.7	243.0	306.6	208.0	246.1	220.6	216.9	247.1	267.3
Fuels and oils (4)	129.6	213.6	280.4	229.5	238.7	256.7	226.9	263.6	273.1	166.5	201.2	236.4

Source: 1970-1981, U.S. Bureau of Labor Statistics, *Today's Spot Market Price Indexes and Prices*, weekly and monthly. Hereafter, Commodity Research Bureau, a Knight-Ridder Business Information Service, New York, NY. *CBS Commodity Index Report*, weekly (copyright).

NO. 751. GROSS NATIONAL PRODUCT IMPLICIT PRICE DEFLATORS: 1970 TO 1987

[1982 = 100. Minus sign (-) indicates decrease. For explanation of average annual percent change, see Guide to Tabular Presentation]

YEAR OR PERIOD	Gross national product	Personal consumption expenditures	FIXED INVESTMENT ¹			Exports	Imports	Govt. purchases of goods and services	Final sales
			Total	Residential	Nonresidential				
1970	42.0	42.9	39.0	37.0	39.9	36.7	29.0	38.1	42.0
1971	44.4	44.9	41.2	39.0	42.4	40.4	30.2	41.0	44.4
1972	46.5	46.7	43.2	41.2	44.4	41.7	32.0	43.9	46.5
1973	49.5	49.8	45.6	44.9	46.0	47.1	35.5	47.1	49.5
1974	54.0	54.8	50.3	49.9	50.5	50.3	50.4	52.2	54.1
1975	59.3	59.2	55.9	54.2	57.9	62.1	54.1	57.7	59.2
1976	63.1	62.6	60.7	56.0	61.9	64.6	55.7	61.5	63.0
1977	67.3	66.7	66.6	64.6	68.1	69.0	59.9	65.8	67.2
1978	72.2	71.8	71.9	72.8	71.5	72.8	65.6	70.4	72.1
1979	76.6	76.2	78.9	81.4	77.8	81.8	77.1	76.8	76.5
1980	85.7	86.6	86.3	89.4	85.1	80.2	96.0	85.5	85.9
1981	94.0	94.6	94.2	96.8	93.4	97.5	101.8	93.4	93.9
1982	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1983	103.9	104.1	99.8	102.2	99.8	101.3	97.4	104.0	103.9
1984	107.7	108.1	100.2	106.0	97.9	103.2	97.1	108.6	107.7
1985	110.9	111.6	100.6	108.3	97.7	101.0	95.2	112.3	110.9
1986	113.9	114.3	103.5	111.1	100.2	100.0	93.6	114.6	114.0
1987	117.7	119.5	105.2	116.2	100.4	100.0	99.0	118.5	117.7
AVERAGE ANNUAL PERCENT CHANGE									
1970-1975	7.1	6.7	7.9	7.9	7.7	9.9	13.3	8.7	7.1
1975-1980	7.6	7.9	6.7	10.5	6.0	7.9	12.2	8.2	7.7
1980-1985	5.4	5.2	3.1	3.9	2.9	2.4	-3	5.7	5.3
1976	6.4	5.7	6.7	7.0	6.9	4.3	3.0	6.6	6.4
1977	6.7	6.5	6.1	11.4	6.6	4.9	7.4	7.0	6.7
1978	7.3	7.3	9.6	12.4	8.2	7.1	10.0	7.0	7.3
1979	6.9	9.2	9.7	12.1	8.9	12.1	17.2	6.1	6.9
1980	9.0	10.7	8.4	9.8	9.4	10.6	24.5	11.3	9.3
1981	9.7	9.2	6.2	6.1	9.9	5.1	5.8	9.2	9.4
1982	6.4	6.7	6.2	3.5	7.1	2.6	-1.6	7.1	6.5
1983	3.9	4.1	-2	2.2	-1.2	1.3	-2.6	4.0	3.9
1984	3.7	3.9	.4	3.7	-9	1.9	.3	4.4	3.7
1985	3.0	3.2	.4	2.2	-2	-2.1	-2.9	3.4	3.0
1986	2.7	2.4	2.9	2.8	2.6	-1.0	-1.7	2.0	2.6
1987	3.3	4.5	1.6	4.6	.2	-	5.9	3.4	3.2

- Represents zero. ¹ Gross private domestic fixed investment.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July issues.

NO. 752. GROSS NATIONAL PRODUCT FIXED-WEIGHTED PRICE INDEXES: 1970 TO 1987

[1982 = 100]

ITEM	1970	1975	1979	1980	1981	1982	1984	1985	1986	1987
Gross national product	47.2	61.9	76.6	86.1	94.1	104.1	108.3	111.9	115.5	118.1
Personal consumption expenditures	44.7	60.1	76.6	86.6	94.6	104.2	108.4	112.2	115.3	120.4
Durable goods	55.0	66.7	82.5	89.6	95.8	102.3	104.1	106.2	108.5	109.7
Nondurable goods	45.2	63.2	80.8	89.6	97.0	102.1	105.2	107.9	107.8	112.6
Services	41.9	56.2	75.0	84.0	92.6	106.3	111.8	117.2	123.0	129.0
Gross private domestic investment										
Fixed investment	61.5	69.0	80.3	86.9	94.5	100.4	101.5	103.3	105.8	108.6
Nonresidential	68.4	73.1	80.1	86.1	93.9	99.9	100.2	101.9	104.3	106.8
Structures	32.6	52.5	75.0	83.1	93.2	97.3	98.1	100.7	101.8	105.1
Producers durable equipment	91.9	98.3	83.4	86.1	84.4	101.5	101.8	102.6	106.0	107.9
Residential	37.4	54.6	81.2	89.4	96.6	102.2	106.0	106.3	110.9	115.9
Exports of goods and services	43.3	66.4	82.9	90.5	97.7	101.6	104.3	109.7	103.9	106.0
Imports of goods and services	33.4	59.7	80.9	86.3	101.5	97.7	97.5	96.7	93.8	100.8
Government purchases of goods and services	39.6	58.6	77.3	86.4	94.1	104.5	109.2	113.2	115.8	119.9
Federal	39.6	58.4	76.8	86.4	94.9	104.1	108.0	110.4	110.8	113.6
National defense	(NA)	58.5	75.1	84.7	93.8	103.7	107.8	110.5	111.3	114.0
Nondefense	(NA)	58.6	81.0	90.6	97.4	105.1	108.9	110.0	109.4	112.1
State and local	39.6	57.9	77.7	86.2	93.5	104.6	110.1	115.3	119.1	124.1
Addenda										
Final sales	47.2	61.9	76.6	86.1	94.1	104.1	108.2	111.6	114.9	119.0
Personal consumption expenditures, food	43.0	63.6	82.1	88.7	96.0	102.0	106.3	108.6	112.2	117.2
Personal consumption expenditures, energy	27.0	44.0	66.6	86.4	93.9	101.0	102.3	103.5	81.0	91.7
Other personal consumption expenditures	47.4	61.2	79.1	86.4	93.9	105.3	109.7	114.3	119.1	124.9

NA Not available.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-1982*, and *Survey of Current Business*, July issues.

NO. 753. PRODUCER PRICE INDEXES, BY STAGE OF PROCESSING: 1950 TO 1987

(1982 = 100. See text, section 15. See also *Historical Statistics, Colonial Times to 1970*, series E 79-85)

YEAR	Crude materials	Crude food-stuffs and feed-stuffs	Crude energy materials	Inter-mediate goods	Finished goods	Finished consumer foods	Finished energy goods	Capital equipment
1950	32.7	43.4	NA	25.9	26.2	32.7	NA	23.2
1951	37.6	50.2	NA	28.4	30.8	36.7	NA	25.5
1952	34.5	47.3	NA	27.5	30.6	36.4	NA	25.9
1953	31.9	42.3	NA	27.7	30.8	34.5	NA	26.3
1954	31.8	42.3	NA	27.9	30.4	34.2	NA	26.7
1955	30.4	38.4	NA	29.4	30.5	33.4	NA	27.4
1956	30.6	37.6	NA	29.6	31.3	33.3	NA	28.5
1957	31.2	38.2	NA	30.3	32.5	34.4	NA	31.3
1958	31.9	41.6	NA	30.4	33.2	36.5	NA	32.1
1959	31.1	38.6	NA	30.6	33.1	34.8	NA	32.7
1960	30.4	38.4	NA	30.8	33.4	35.5	NA	32.6
1961	30.2	37.9	NA	30.8	33.4	35.4	NA	32.9
1962	30.5	38.6	NA	30.6	33.5	35.7	NA	33.0
1963	29.9	37.5	NA	30.7	33.4	35.3	NA	33.1
1964	29.8	36.6	NA	30.6	33.5	35.4	NA	33.4
1965	31.1	39.2	NA	31.2	34.1	36.6	NA	33.8
1966	33.1	42.7	NA	32.0	35.2	38.2	NA	34.6
1967	31.3	40.3	NA	32.2	35.6	38.5	NA	35.6
1968	31.8	40.9	NA	33.0	36.6	40.0	NA	37.0
1969	33.9	44.1	NA	34.1	38.0	42.4	NA	38.3
1970	35.2	45.2	NA	35.4	39.3	43.6	NA	40.1
1971	36.0	46.1	NA	36.5	40.5	44.5	NA	41.7
1972	36.9	51.5	NA	35.2	41.8	45.9	NA	42.9
1973	54.5	72.6	NA	42.4	45.6	56.5	NA	44.2
1974	61.4	76.4	27.6	52.5	52.6	64.4	26.2	50.5
1975	61.6	77.4	33.3	58.0	56.2	66.6	30.7	58.2
1976	63.4	76.8	35.3	60.9	60.8	68.6	34.3	62.1
1977	65.5	77.5	40.4	64.6	64.7	73.3	38.7	66.1
1978	73.4	67.3	45.2	69.5	69.8	79.9	42.3	71.3
1979	85.8	100.0	54.9	78.4	77.6	67.3	57.1	77.5
1980	85.3	104.6	73.1	89.3	88.0	92.4	65.2	85.6
1981	103.0	103.9	97.7	96.6	96.1	97.8	101.5	94.6
1982	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1983	101.3	101.8	98.7	100.6	101.6	101.0	95.2	102.5
1984	103.5	104.7	99.0	103.1	103.7	105.4	91.2	105.2
1985	95.6	94.6	93.3	102.7	104.7	104.6	87.6	107.5
1986	67.7	93.2	71.8	98.1	109.2	107.3	63.0	109.7
1987	63.7	96.2	75.0	101.5	105.4	109.5	61.8	111.7

NA Not available.

Source: U.S. Bureau of Labor Statistics, *Supplement to Producer Price Indexes, 1987*

NO. 754. PRODUCER PRICE INDEXES—MAJOR COMMODITY GROUPS: 1950 TO 1987

(1982 = 100. Prior to 1951, includes Alaska and Hawaii. See text, section 15. See also *Historical Statistics, Colonial Times to 1970*, series E 23 and 24)

YEAR	All commodities	Farm products ¹	Industrial commodities	Energy ²	Metals and metal products	YEAR	All commodities	Farm products ¹	Industrial commodities	Energy ²	Metals and metal products
1950	27.3	37.7	25.0	12.6	22.0	1980	35.6	43.4	33.9	14.6	36.0
1951	30.4	43.0	27.6	13.0	24.5	1970	36.9	44.9	35.2	15.3	38.7
1952	29.6	41.3	26.9	13.0	24.5	1971	38.1	45.8	36.5	16.6	39.4
1953	29.2	38.6	27.2	13.4	25.3	1972	39.6	46.2	37.8	17.1	40.9
1954	29.3	38.5	27.2	13.2	25.5	1973	45.0	63.8	40.3	19.4	44.0
1955	29.3	38.6	27.8	13.2	27.2	1974	53.5	71.3	49.2	30.1	57.0
1956	30.3	36.4	29.1	13.6	29.6	1975	56.4	74.0	54.9	35.4	61.5
1957	31.2	37.7	29.9	14.3	30.2	1976	61.1	73.6	66.4	36.3	65.0
1958	31.6	36.4	30.0	13.7	30.0	1977	64.6	75.8	62.5	43.6	69.3
1959	31.7	37.8	30.5	13.7	30.6	1978	69.9	83.0	67.0	46.5	75.3
1960	31.7	37.7	30.5	13.9	30.6	1979	76.7	82.3	75.7	58.9	83.0
1961	31.6	37.7	30.4	14.0	30.5	1980	89.6	96.3	86.0	82.6	95.0
1962	31.7	36.1	30.4	14.0	30.2	1981	98.0	101.1	87.4	100.2	99.6
1963	31.6	37.7	30.3	13.9	30.3	1982	100.0	100.0	100.0	100.0	100.0
1964	31.6	37.5	30.5	13.5	31.1	1983	101.3	102.0	101.1	95.9	101.6
1965	32.3	39.0	30.9	13.6	32.0	1984	103.7	105.6	103.3	94.8	104.6
1966	33.3	41.6	31.5	14.1	32.8	1985	103.2	100.7	103.7	91.4	104.4
1967	33.4	40.2	32.0	14.4	33.2	1986	100.2	101.2	100.0	89.6	103.2
1968	34.2	41.1	32.8	14.3	34.0	1987	102.6	103.7	102.6	70.2	107.1

¹ Processed foods and feeds. ² Fuels, related products, and power.

Source: U.S. Bureau of Labor Statistics, *Producer Price Indexes, monthly and annual*.

No. 755. PRODUCER PRICE INDEXES, FOR SELECTED COMMODITIES: 1970 TO 1987

(1982=100. See text, section 15, and *Historical Statistics, Colonial Times to 1970*, series E 23-29)

COMMODITY GROUP	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
All commodities¹	88.1	88.4	78.7	88.8	98.0	100.0	101.3	103.7	103.3	100.2	102.8
Farm products and processed foods and feeds¹	44.8	74.8	82.3	88.3	101.1	100.0	102.8	105.6	100.7	101.2	102.7
Farm products¹	44.8	77.0	88.8	102.3	106.2	100.0	102.4	106.5	98.1	92.8	96.6
Fresh and dried fruits, vegetables	44.0	72.4	90.3	94.1	105.4	100.0	103.3	109.0	102.7	103.9	108.0
Grains	46.8	108.2	101.8	113.3	117.8	100.0	114.0	113.7	■	79.3	71.1
Livestock	45.3	72.9	100.9	98.0	98.2	100.0	94.3	97.7	98.2	91.8	102.0
Live poultry	51.9	88.9	101.2	105.3	104.8	100.0	107.8	125.4	117.8	129.7	101.2
Plant and animal fibers	44.5	75.5	103.4	133.8	119.2	100.0	111.8	112.6	97.5	88.4	108.5
Fluid milk	40.8	83.8	88.5	98.0	101.7	100.0	98.8	88.5	83.7	91.0	91.9
Eggs	71.0	88.4	98.8	95.7	104.7	100.0	(NA)	117.9	95.7	90.8	87.8
Hay, hayseeds, and oilseeds	48.7	94.1	114.8	118.1	128.8	100.0	116.0	120.5	95.8	92.9	101.4
Processed foods and feeds¹	44.8	72.8	88.8	98.9	98.9	100.0	101.3	105.4	103.5	100.4	107.9
Cereal and bakery products	42.4	70.1	82.9	93.0	100.7	100.0	102.8	108.0	110.3	111.0	112.8
Meats, poultry, and fish	45.0	74.2	83.9	94.4	95.6	100.0	98.7	98.9	98.9	100.2	104.8
Dairy products	44.7	82.6	84.9	92.7	■	100.0	100.7	101.1	100.2	99.9	■
Processed fruits and vegetables	40.3	81.9	80.9	83.3	93.2	100.0	101.1	107.9	108.0	104.9	■
Sugar and confectionery	42.9	94.3	79.6	119.8	■	100.0	108.6	111.7	107.9	108.7	112.7
Beverages and beverage materials	44.0	83.2	82.0	90.7	98.5	100.0	102.8	108.3	107.7	114.8	112.5
Animal fats and oils	48.3	112.8	105.8	92.1	98.7	100.0	101.0	128.4	108.8	84.1	88.1
Crude vegetable oils	75.8	130.4	152.7	127.1	116.2	100.0	121.7	184.9	137.8	84.8	84.2
Shortening and cooking oils	47.7	80.2	95.4	98.5	101.6	100.0	108.7	132.9	124.0	103.3	103.9
Miscellaneous processed foods	45.5	71.8	87.1	91.4	100.6	■	102.5	111.8	114.1	118.2	118.9
Prepared animal feeds	48.1	81.5	103.8	107.3	109.0	100.0	108.3	104.4	80.1	94.8	■
Industrial commodities¹	38.2	84.8	75.7	88.8	97.4	100.0	101.1	102.3	103.7	100.8	102.8
Textile products and apparel¹	32.4	87.4	82.8	88.7	97.8	100.0	108.3	108.7	102.9	103.2	108.1
Synthetic fibers	(NA)	(NA)	73.4	83.1	98.5	100.0	98.7	88.5	85.5	82.5	91.8
Processed yarns, threads	(NA)	(NA)	78.8	88.8	98.8	100.0	100.1	103.2	102.1	101.7	103.8
Gray fabrics	(NA)	(NA)	87.5	95.0	101.0	100.0	101.2	106.9	104.4	103.7	107.2
Finished fabrics	(NA)	(NA)	88.2	92.9	100.5	100.0	98.9	101.7	101.4	101.4	104.2
Apparel	57.0	88.6	82.5	88.7	96.7	100.0	101.6	103.6	■	108.3	108.4
Textile housefurnishings	43.4	83.7	79.8	88.8	95.1	100.0	98.8	100.2	100.8	101.1	101.4
Hides, skins, leather, related products¹	43.8	88.5	88.1	94.7	98.3	100.0	103.2	108.0	108.9	113.6	128.4
Cattle hides	32.3	51.8	100.3	■	104.6	100.0	108.8	143.8	■	147.7	178.8
Leather	34.6	48.7	114.8	98.6	102.7	100.0	108.2	119.8	113.4	122.9	140.9
Footwear	48.2	80.3	89.0	95.2	98.3	100.0	102.1	102.7	104.8	108.9	109.4
Fuels, related products, power¹	18.3	38.4	88.9	82.8	100.2	100.0	95.9	94.8	91.4	89.8	78.2
Coal	28.1	72.2	84.3	87.4	83.0	100.0	100.5	102.2	102.2	100.8	97.1
Coal oven products	27.6	21.7	88.0	93.3	98.8	100.0	95.3	94.5	93.2	98.0	82.8
Gas fuels	8.8	20.4	51.3	71.7	88.8	100.0	108.1	104.5	98.7	83.2	74.1
Electric power	28.1	47.8	88.5	79.1	80.3	100.0	102.8	108.2	111.8	112.6	110.8
Crude petroleum, domestic	14.5	33.5	51.3	75.9	109.8	100.0	82.9	91.3	84.5	48.9	55.5
Petroleum products, refined	13.3	33.8	58.4	88.8	106.9	100.0	89.3	87.4	83.2	53.2	58.8
Chemicals and allied products¹	28.9	82.9	78.8	88.8	98.4	100.0	108.3	102.9	103.7	102.6	108.4
Industrial chemicals	28.6	88.7	74.8	91.9	102.1	100.0	97.3	98.8	98.0	91.5	95.5
Prepared paint	42.8	83.8	77.8	89.5	95.1	100.0	100.7	103.7	105.3	107.0	108.1
Paint materials	33.3	88.2	79.2	89.9	95.5	100.0	100.4	108.2	109.5	104.4	107.3
Drugs and pharmaceuticals	48.2	80.3	75.9	83.0	92.1	100.0	107.8	114.2	122.0	130.1	136.1
Fats and oils, inedible	49.7	85.5	141.0	111.6	110.7	100.0	108.9	138.1	110.8	80.1	82.7
Agricultural chemicals and products	30.3	88.8	73.3	87.9	97.4	100.0	95.9	87.4	98.2	94.2	98.4
Plastic resins and materials	32.0	83.8	83.2	88.5	102.0	100.0	102.8	108.9	107.5	104.4	110.3
Rubber and plastic products¹	44.9	82.2	88.8	93.1	98.4	100.0	108.8	102.3	101.8	101.8	108.8
Crude rubber	36.4	32.2	79.4	84.8	101.1	100.0	100.7	98.3	97.0	91.2	97.7
Tires and tubes	42.7	88.2	80.7	92.8	98.2	100.0	98.1	94.9	93.0	91.7	91.0
Miscellaneous rubber products	40.9	56.3	74.8	81.9	80.6	100.0	102.9	105.0	108.3	108.4	108.9
Plastic construction products	85.5	83.5	98.4	103.9	■	100.0	110.1	115.5	108.8	■	■
Laminated plastic sheets	(NA)	88.9	85.3	93.9	101.4	100.0	98.3	100.4	101.1	101.2	101.7
Lumber and wood products¹	38.9	82.1	108.8	101.3	102.8	100.0	107.9	108.9	105.8	107.2	112.8
Lumber	56.8	91.9	114.0	104.9	104.8	100.0	113.5	112.5	109.8	110.5	118.2
Millwork	41.5	87.4	91.0	93.2	97.8	100.0	108.2	110.2	111.7	113.7	117.7
Plywood	45.7	88.4	107.9	108.2	105.8	100.0	108.2	104.1	99.8	101.4	102.6
Other wood products	49.7	88.5	98.7	101.2	101.2	100.0	97.6	89.3	100.1	100.9	103.7
Pulp, paper, and allied products¹	37.3	88.9	78.9	88.9	94.8	100.0	108.3	118.3	113.3	116.1	121.8
Pulp, paper, and products, except building paper and board	39.7	82.9	80.6	91.7	99.1	100.0	89.3	107.3	108.8	107.6	114.3
Woodpulp	29.9	74.8	82.9	100.3	104.9	100.0	91.5	104.8	91.4	94.7	111.6
Waste paper	103.2	80.9	170.5	172.2	145.0	100.0	(NA)	108.2	122.9	142.6	181.4
Paper	38.8	80.4	80.2	89.7	97.7	100.0	88.5	105.8	108.0	107.0	111.5
Paperboard	38.7	88.8	79.3	92.0	101.2	100.0	88.4	110.4	107.7	108.6	118.1
Converted paper and paperboard products	40.8	81.2	79.4	80.2	97.8	100.0	100.4	108.4	108.9	■	114.7
Building paper and board	42.2	83.1	78.2	88.1	98.7	100.0	104.4	108.2	107.4	108.8	111.2

See footnotes at end of table.

No. 755. PRODUCER PRICE INDEXES, FOR SELECTED COMMODITIES: 1970 TO 1987—Continued

[1989=100. See heading, p. 466]

COMMODITY GROUP	1970	1973	1978	1980	1981	1982	1983	1984	1985	1986	1987
Metals and metal products¹	98.7	61.5	85.0	95.0	95.6	100.0	101.9	104.5	104.4	103.2	107.1
Iron and steel	94.0	59.3	83.8	90.0	95.5	100.0	101.3	105.3	104.8	101.1	104.5
Steel mill products	32.7	58.4	80.2	88.6	95.6	100.0	100.9	104.7	104.7	99.8	102.3
Nonferrous metals	47.3	85.1	99.3	115.7	108.4	100.0	104.7	105.1	99.6	98.5	108.8
Metal containers	34.3	58.5	81.9	90.9	95.1	100.0	102.1	108.5	109.0	110.2	109.5
Hardware	38.8	59.2	78.0	85.5	95.9	100.0	103.7	105.9	109.1	109.5	109.6
Pumbing fixtures, brass fittings	38.8	58.2	77.9	88.5	95.0	100.0	103.6	108.8	111.9	115.5	119.7
Heating equipment	46.6	85.5	78.9	87.0	94.5	100.0	102.7	108.8	109.5	113.0	115.5
Fabricated structural metal products	36.7	62.0	81.8	88.8	95.9	100.0	99.6	101.9	103.2	103.6	105.4
Miscellaneous metal products	40.5	64.1	81.9	89.5	95.8	100.0	100.5	104.8	107.1	107.0	107.8
Machinery and equipment¹	46.0	67.9	78.7	86.0	94.4	100.0	102.7	108.1	107.2	105.8	119.4
Agricultural	36.4	54.2	74.6	83.3	92.7	100.0	104.9	108.0	108.7	109.2	109.6
Construction	33.7	63.8	74.5	84.2	93.3	100.0	102.3	109.8	105.4	108.7	108.9
Metallworking	35.6	53.5	75.2	85.5	93.9	100.0	101.7	104.1	106.6	108.4	110.1
General purpose	37.4	68.7	77.8	87.0	95.0	100.0	101.4	103.3	105.7	107.2	108.3
Special industry	35.6	53.8	78.0	84.8	94.7	100.0	103.7	107.3	110.8	114.2	117.3
Electrical	45.9	69.7	77.2	87.1	95.1	100.0	103.7	107.4	109.6	111.2	112.6
Miscellaneous	42.0	60.5	77.8	85.7	94.1	100.0	102.1	102.2	103.3	104.2	105.7
Furniture and household durables¹	51.9	67.5	82.8	90.7	95.8	100.0	103.4	106.7	107.1	108.2	108.9
Household furniture	48.8	63.8	81.0	89.1	95.4	100.0	102.1	105.3	108.5	110.3	113.0
Commercial furniture	41.6	60.5	80.5	85.7	93.5	100.0	103.9	107.8	111.9	115.3	118.6
Floor coverings	54.0	68.0	81.7	90.0	98.7	100.0	102.4	105.8	105.8	108.3	110.7
Household appliances	52.9	68.5	80.8	87.5	94.1	100.0	103.8	108.0	108.7	105.7	105.6
Home electronic equipment	106.0	106.2	103.7	103.8	101.3	100.0	97.8	95.2	90.8	89.9	89.8
Nonmetallic mineral products¹	95.3	64.4	77.8	88.4	98.7	100.0	101.6	105.4	108.6	110.9	118.9
Flat glass	52.2	62.8	83.0	88.7	98.0	100.0	103.7	101.4	101.7	104.5	107.2
Concrete ingredients	35.3	55.8	78.7	88.4	95.6	100.0	101.1	105.1	108.5	109.4	110.4
Concrete products	37.7	67.3	82.0	92.0	97.8	100.0	101.4	103.9	107.5	109.2	109.4
Clay construction products, exc. refractories	42.1	58.0	83.6	88.8	95.8	100.0	106.5	110.0	113.5	118.0	121.4
Refractories	35.9	49.2	70.2	78.5	89.7	100.0	101.2	107.1	109.7	110.2	110.5
Asphalt felt and coatings	25.8	56.7	81.7	99.6	102.3	100.0	98.4	100.3	102.8	97.9	92.4
Gypsum products	38.9	58.2	86.5	100.1	100.1	100.0	111.7	135.4	132.9	137.0	125.2
Glass containers	33.9	50.5	73.4	82.3	92.5	100.0	99.1	101.4	106.5	111.9	113.0
Transportation equipment¹	41.8	68.7	75.3	82.8	94.3	100.0	102.8	106.2	107.9	110.6	112.6
Motor vehicles and equipment	45.3	57.8	75.5	83.1	94.6	100.0	102.2	104.1	106.4	108.1	111.7
Motor vehicles	47.2	60.6	80.0	87.1	95.4	100.0	102.4	104.7	107.8	111.4	113.9
Railroad equipment	33.2	59.1	80.0	80.4	97.0	100.0	101.1	102.6	104.9	106.4	104.7
Miscellaneous products¹	39.8	63.4	75.5	88.8	98.1	100.0	104.8	107.0	108.4	111.8	114.9
Toys, sporting goods, small arms, etc.	49.5	68.5	79.8	89.7	95.7	100.0	101.7	102.6	104.5	106.8	107.8
Tobacco products	35.2	48.3	67.4	78.0	83.1	100.0	118.1	123.3	132.5	142.5	154.7
Notions	39.1	54.5	69.3	78.4	93.8	100.0	101.1	102.3	102.9	103.7	105.2
Photographic equipment and supplies	48.9	62.1	73.0	88.4	98.8	100.0	102.5	102.0	102.6	104.0	106.4

NA. Not available. ¹ Includes other product groups, not shown separately.

Source: U.S. Bureau of Labor Statistics, *Producer Price Indexes*, monthly and annual.

No. 756. PRODUCER PRICE INDEXES—AVERAGE ANNUAL PERCENT CHANGE IN SELECTED MAJOR COMMODITY GROUPS: 1970 TO 1987

[Minus sign (—) indicates decrease]

COMMODITY GROUP	1970-75	1975-80	1980-81	1981-82	1982-85	1985-84	1984-85	1985-86	1986-87
All commodities	8.9	9.8	8.1	2.9	1.9	2.4	— .5	2.9	2.9
Farm products	11.0	6.0	2.2	— 4.9	2.4	3.0	— 9.9	— 2.3	2.8
Processed foods, feeds	10.2	5.7	3.1	1.1	1.8	3.5	— 1.8	1.8	2.4
Textile products, apparel	5.2	5.9	6.8	2.5	3	2.4	2	3	1.8
Hides, skins, leather, related products	8.1	10.9	4.9	7	3.2	5.6	— .1	3.8	6.5
Fuels, related products, power	18.3	18.5	21.0	— 2	— 4.1	— 1.1	— 3.8	— 23.8	.8
Chemicals and allied products	12.1	7.5	10.6	1.8	3	2.6	.9	— 1.1	3.7
Rubber and plastic products	6.7	7.7	7.0	3.7	.8	1.5	— .4	—	1.1
Lumber and wood products	9.9	10.3	1.9	— 2.7	7.9	.1	— 1.3	.8	5.2
Pulp, paper, and allied products	9.5	7.9	9.8	5.5	3.3	5.8	2.7	2.5	4.9
Metals and metal products	9.7	9.1	4.5	.4	1.8	2.9	— .4	— 1.1	3.8
Machinery and equipment	7.7	8.2	9.5	5.9	2.7	2.3	2.0	1.5	1.5
Furniture and household durables	5.4	6.1	5.7	4.3	3.4	2.2	1.9	1.0	1.6
Nonmetallic mineral products	9.0	10.2	9.4	3.4	1.8	3.7	2.0	1.3	—
Transportation equipment	6.2	7.9	13.8	6.0	2.8	2.3	2.6	2.4	1.8

— Represents zero.

Source: U.S. Bureau of Labor Statistics, *Producer Price Indexes*, monthly and annual.

NO. 757. PRODUCER PRICE INDEXES FOR THE NET OUTPUT OF SELECTED INDUSTRIES: 1980 TO 1987

[Indexes are based on selling prices reported by establishments of all sizes selected by probability sampling. See text, section 27]

BIC code ¹	Item	Unit	1980	1981	1982	1983	1984	1985	1986	1987
2022	Natural and processed cheese.....	June 1981=100	94.6	101.5	101.5	98.6	98.6	97.5		
2024	Ice cream and frozen desserts.....	June 1983=100	99.0	100.3	103.2	104.9	105.5	108.5		
2083	Milk and milk byproducts.....	June 1985=100	114.4	107.1	110.0	100.9	95.0	88.6		
2086	Distilled liquor, except brandy.....	June 1983=100	95.6	99.3	100.2	101.5	104.4	105.9		
2092	Fresh or frozen packaged fish.....	Dec. 1982=100	78.8	102.4	102.7	101.4	110.2	120.6		
2096	Coffee.....	June 1981=100	112.9	104.4	110.4	111.5	141.2	116.1		
2111	Cigarettes.....	Dec. 1982=100	62.5	93.5	102.3	110.7	120.9	133.4		
2121	Cigars.....	Dec. 1982=100	88.2	99.8	104.4	110.9	111.5	118.0		
2311	Men's and boys' suits and coats.....	Dec. 1980=100	85.4	113.2	116.6	118.9	121.6	125.2		
2323	Men's and boys' neckwear.....	Dec. 1983=100	91.2	99.0	103.2	103.6	105.1	107.3		
2327	Men's and boys' separate trousers.....	Dec. 1981=100	93.7	103.3	104.6	103.7	105.6	109.2		
2336	Women's, misses', and juniors' dresses.....	Dec. 1980=100	96.6	107.3	107.2	108.0	110.1	113.0		
2342	Brasieres and allied garments.....	June 1982=100	85.4	104.2	109.0	114.2	117.1	119.6		
2436	Softwood plywood.....	Dec. 1980=100	81.4	94.3	91.6	80.0	81.5	93.6		
2461	Mobile homes.....	June 1981=100	96.3	105.3	106.2	108.1	107.1	108.7		
2492	Particleboard.....	Dec. 1982=100	91.6	106.1	116.3	110.0	111.8	120.3		
2512	Upholstered wood household furniture.....	June 1982=100	89.7	102.3	104.2	107.9	109.3	111.6		
2521	Wood office furniture.....	June 1985=100	77.6	82.7	95.6	100.1	103.1	105.9		
2647	Sanitary paper products.....	June 1983=100	91.4	100.7	102.4	105.6	106.3	107.5		
2711	Newspaper publishing.....	Dec. 1979=100	106.8	143.8	163.6	164.0	172.3	181.8		
2721	Periodical publishing.....	Dec. 1979=100	105.5	137.9	147.8	157.9	167.0	173.8		
2892	Explosives.....	Dec. 1980=100	95.4	116.3	118.9	121.6	125.2	131.7		
2911	Petroleum refining.....	June 1985=100	104.6	106.6	102.7	98.3	84.0	67.9		
3011	Tires and inner tubes.....	June 1981=100	93.9	96.9	96.2	96.6	95.6	95.1		
3021	Rubber and plastic footwear.....	Dec. 1980=100	97.6	101.5	103.7	98.9	108.6	111.7		
3143	Men's footwear.....	Dec. 1980=100	96.4	108.3	109.9	111.9	115.0	118.2		
3144	Women's footwear.....	Dec. 1980=100	98.3	103.6	102.9	104.3	104.7	106.4		
3251	Brick and structural clay tile.....	Dec. 1984=100	79.6	85.4	88.0	101.4	105.1	108.1		
3253	Ceramic wall and floor tile.....	June 1985=100	74.8	89.2	92.3	97.9	101.7	104.7		
3271	Concrete block and brick.....	June 1981=100	84.9	103.3	107.3	112.6	117.2	119.7		
3272	Concrete products.....	Dec. 1979=100	104.6	115.9	117.4	121.4	123.3	123.9		
3273	Ready-mixed concrete.....	June 1981=100	92.7	102.3	106.1	108.6	109.5	109.2		
3274	Urethane.....	Dec. 1985=100	86.2	101.5	99.9	101.1	100.6	101.9		
3276	Gypsum products.....	June 1981=100	98.4	108.3	130.3	127.1	130.9	120.6		
3334	Primary aluminum.....	June 1980=100	102.6	110.6	113.2	107.1	107.1	116.1		
3425	Hand saws and saw blades.....	June 1983=100	80.5	100.0	101.5	104.0	105.1	109.4		
3431	Metal sanitary ware.....	Dec. 1980=100	97.8	112.1	119.0	122.4	122.7	123.4		
3442	Metal doors, sash and trim.....	June 1983=100	86.0	100.6	104.3	104.6	106.7	109.4		
3482	Small arms ammunition, 50mm and under.....	June 1985=100	73.2	80.6	96.7	101.6	104.1	100.6		
3523	Farm machinery and equipment.....	Dec. 1982=100	80.6	101.6	104.6	105.3	105.6	105.0		
3531	Construction machinery.....	Dec. 1980=100	95.7	114.4	118.7	118.5	120.8	122.6		
3534	Elevators and moving stairways.....	June 1981=100	85.3	106.1	108.5	109.4	110.8	111.9		
3541	Machine tools, metal cutting types.....	June 1983=100	83.1	99.9	102.3	105.0	107.3	109.6		
3542	Metal forming machine tools.....	June 1981=100	91.4	110.5	112.6	115.2	117.1	118.6		
3552	Textile machinery.....	Dec. 1980=100	95.6	118.6	123.5	127.0	132.0	135.8		
3553	Woodworking machinery.....	Dec. 1980=100	95.9	104.6	104.2	108.6	110.4	112.9		
3556	Refrigeration and heating equipment.....	Dec. 1982=100	89.3	101.4	102.6	104.7	105.9	106.7		
3612	Transformers.....	June 1981=100	86.2	108.7	108.5	111.5	111.7	113.6		
3621	Electric motors and generators.....	June 1983=100	82.3	101.5	104.6	108.2	109.1	110.8		
3636	Household vacuum cleaners.....	Dec. 1982=100	84.1	101.9	104.2	105.6	107.1	108.0		
3638	Sewing machines.....	Dec. 1983=100	82.4	99.6	100.5	101.2	104.6	106.7		
3671	Electron tubes, all types.....	Dec. 1985=100	44.3	76.6	67.4	93.5	100.2	99.9		
3674	Semiconductors and related devices.....	June 1981=100	100.5	100.6	107.4	106.6	108.1	108.2		
3675	Electronic capacitors.....	June 1981=100	96.0	95.5	94.3	93.6	91.7	91.8		
3676	Resistors for electronic applications.....	Dec. 1980=100	97.3	107.7	108.6	114.0	116.6	118.4		
3678	Connectors for electronic applications.....	Dec. 1980=100	96.9	109.0	114.2	118.2	122.3	124.7		
3691	Storage batteries.....	Dec. 1984=100	109.2	101.3	99.3	98.7	99.5	106.8		
3711	Motor vehicles and passenger car bodies.....	June 1982=100	86.0	102.1	104.6	107.2	111.0	113.0		
3822	Environmental controls.....	Dec. 1979=100	106.6	133.4	134.9	139.5	143.9	146.3		
3911	Jewelry, precious metal.....	Dec. 1985=100	122.1	107.9	102.7	100.4	103.0	110.5		
3931	Musical instruments.....	June 1985=100	86.3	101.5	103.4	101.5	103.5	106.4		
3942	Dolls.....	Dec. 1985=100	94.4	101.9	99.7	100.0	100.4	96.4		
3996	Burial caskets.....	Dec. 1984=100	82.8	96.6	99.6	102.0	104.6	106.0		
3998	Hard surface floor coverings.....	Dec. 1985=100	81.8	92.0	95.4	98.0	101.7	104.2		

¹ Standard Industrial Classification code.

Source: U.S. Bureau of Labor Statistics, *Producer Price Indexes*, monthly.

No. 758. CONSUMER PRICE INDEXES, BY MAJOR GROUPS: 1960 TO 1987

[1983-84 = 100. Represents annual averages of monthly figures. Reflects buying patterns of all urban consumers. See text. See *Historical Statistics, Colonial Times to 1970*, series E 135-173 for similar data.]

YEAR	All items	Energy	Food	Shelter	Ap- parel and up- keep	Trans- portation	Med- ical care	Fuel oil	Elec- tricity	Utility (piped) gas	Tele- phone serv- ices	All com- modities
1960	29.6	22.4	30.0	25.2	45.7	29.8	22.3	13.5	29.9	17.6	56.3	33.6
1961	29.9	22.5	30.4	25.4	46.1	30.1	22.9	14.0	29.9	17.9	56.5	33.8
1962	30.2	22.6	30.6	25.8	46.3	30.8	23.5	14.0	29.9	17.9	56.5	34.1
1963	30.6	22.6	31.1	26.1	46.9	30.9	24.1	14.3	29.9	17.9	56.6	34.4
1964	31.0	22.5	31.5	26.5	47.3	31.4	24.6	14.0	29.8	17.9	56.6	34.8
1965	31.5	22.9	32.2	27.0	47.8	31.9	25.2	14.3	29.7	18.0	57.7	35.2
1966	32.4	23.3	33.6	27.8	48.0	32.3	26.3	14.7	29.7	18.1	58.5	36.1
1967	33.4	23.6	34.1	28.8	51.0	33.3	26.2	15.1	29.9	18.1	57.3	36.6
1968	34.8	24.2	35.3	30.1	53.7	34.3	29.9	15.6	30.2	18.2	57.3	36.1
1969	36.7	24.8	37.1	32.8	56.8	35.7	31.9	15.9	30.8	18.6	58.0	36.9
1970	38.6	25.5	39.2	35.5	59.2	37.5	34.0	16.5	31.8	19.6	58.7	41.7
1971	40.5	26.5	40.4	37.0	61.1	39.5	36.1	17.6	33.9	21.0	61.6	43.2
1972	41.8	27.2	42.1	40.0	62.3	39.9	37.3	17.6	35.6	22.1	65.0	44.5
1973	44.4	29.4	48.2	40.5	64.6	41.2	38.8	20.4	37.4	23.1	66.7	47.8
1974	49.3	36.1	55.1	44.4	68.4	45.8	42.4	32.2	44.1	26.0	69.5	53.5
1975	53.8	42.1	59.6	48.6	72.5	50.1	47.5	34.8	50.0	31.1	71.7	56.2
1976	56.9	46.1	61.6	51.5	75.2	55.1	52.0	37.4	53.1	36.3	74.3	60.7
1977	60.6	49.4	65.6	54.9	78.6	59.0	57.0	42.4	56.6	40.0	75.2	64.2
1978	65.2	52.5	72.0	60.5	81.4	61.7	61.6	44.9	60.9	47.5	76.0	68.6
1979	72.6	65.7	79.9	66.9	84.9	70.5	67.5	63.1	65.6	55.1	75.8	76.6
1980	82.4	86.0	86.8	81.0	90.9	83.1	74.9	87.7	75.8	65.7	77.7	86.0
1981	90.9	97.7	93.6	90.5	95.3	93.2	82.9	107.3	87.2	74.9	84.6	93.2
1982	96.5	99.2	97.4	96.9	97.8	97.0	92.5	105.0	95.8	88.8	83.2	97.0
1983	99.6	99.9	99.4	99.1	100.2	99.3	100.6	96.5	96.9	104.7	99.2	99.6
1984	103.9	100.9	103.2	104.0	102.1	103.7	108.8	96.5	105.3	106.5	107.5	103.2
1985	107.8	101.6	105.6	109.6	105.0	106.4	113.5	94.6	108.9	104.6	111.7	105.4
1986	109.8	98.2	109.0	115.6	106.9	102.3	122.0	74.1	110.4	99.7	117.2	104.4
1987	113.6	96.6	113.5	121.3	110.6	105.4	130.1	75.6	110.0	95.1	116.5	107.7

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review* and *Handbook of Labor Statistics*, periodic.

No. 758. CONSUMER PRICE INDEXES—ANNUAL PERCENT CHANGE IN MAJOR GROUPS: 1975 TO 1987

[See headnote, table 758. See also table 760 for base data. Minus sign (—) indicates decrease.]

ITEM	1976	1978	1977	1976	1979	1980	1981	1982	1983	1984	1985	1986	1987
All items	9.1	5.6	6.6	7.6	11.3	13.6	10.3	6.3	3.3	4.3	3.6	1.9	3.6
Food	8.5	3.0	6.3	9.9	11.0	8.6	7.6	4.1	2.1	3.8	2.3	3.2	4.1
Housing	10.7	6.1	6.7	6.7	12.3	15.7	11.5	7.2	2.7	4.1	4.0	3.0	3.0
Shelter	9.9	5.5	6.6	10.2	12.9	17.6	11.7	7.1	2.3	4.9	5.6	5.5	4.7
Household fuels and other utilities	11.5	5.6	10.7	6.9	10.8	16.4	14.6	9.6	5.6	4.6	1.6	2.3	1.1
Household fuels	14.6	9.9	12.2	8.2	15.7	22.0	16.6	9.6	5.1	3.5	5	-5.1	-1.9
Household furnishings and operations	11.6	6.2	4.6	6.1	7.6	6.0	7.6	5.4	2.2	1.7	1.9	1.3	1.9
House furnishings	9.4	4.0	3.3	4.5	5.7	6.6	6.3	4.7	1.9	.9	.5	.5	1.4
Appliances and electronic equipment	7.9	4.2	2.2	3.6	4.0	3.4	4.1	3.3	.2	-1.9	-3.6	-2.6	1.5
Apparel and upkeep	4.5	3.7	4.5	3.6	4.3	7.1	4.8	2.6	2.6	1.6	2.6	.6	4.4
Transportation	6.4	10.0	7.1	4.6	14.3	17.9	12.2	4.1	2.4	4.4	2.6	-3.9	3.0
Private transportation	9.5	9.9	7.4	4.7	14.7	17.4	11.4	3.5	2.3	4.3	2.5	-4.7	3.0
Medical care	12.0	9.5	9.6	6.4	9.2	11.0	10.7	11.8	6.8	6.2	6.3	7.6	6.6
Medical care services	12.6	10.1	9.9	6.5	9.8	11.3	10.7	11.8	6.7	6.0	6.1	7.7	6.6
Entertainment	9.0	5.0	4.9	5.3	6.7	9.0	7.6	6.5	4.3	3.7	3.6	3.4	3.3
Entertainment commodities	10.6	5.5	5.2	5.3	6.5	10.0	6.2	6.1	3.3	2.6	2.9	2.0	2.4
Personal care	6.7	6.6	6.6	6.4	7.6	8.9	8.8	7.1	6.1	4.0	3.8	3.3	2.9
Personal and educational expenses	7.3	6.6	6.4	7.6	7.9	10.6	12.4	13.3	10.7	6.7	6.6	6.0	7.7
Fuel oil and other household fuel commodities	9.6	6.6	13.1	6.2	35.1	38.0	21.5	-1.1	-6.0	2.3	-3.6	-18.1	4
Gas (piped) and electricity	16.2	11.5	13.0	8.8	10.9	17.0	14.7	13.8	8.9	3.8	1.6	1.3	1.6
All commodities	8.8	4.5	6.6	7.2	11.3	12.3	8.4	4.1	2.6	3.4	2.1	-.9	3.2

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*.

NO. 760. CONSUMER PRICE INDEXES FOR SELECTED ITEMS AND GROUPS: 1970 TO 1987

[1963-64 = 100. Annual averages of monthly figures. See handbook, table 760]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
All items	98.8	93.8	78.8	62.4	68.9	96.5	98.6	103.9	107.6	109.6	113.6
Food and beverages	40.1	60.2	79.9	86.7	93.5	97.3	99.5	103.2	105.6	108.1	113.5
Food	39.2	59.8	79.9	86.8	93.6	97.4	99.4	103.2	105.6	108.0	113.5
Food at home	39.9	61.8	81.8	86.4	94.6	98.1	99.1	102.8	104.3	107.3	111.9
Cereals and bakery products	37.1	62.9	74.9	83.9	92.3	96.6	99.6	103.9	107.9	110.9	114.8
Meats, poultry, fish and eggs	44.6	67.0	88.0	92.0	98.0	99.8	99.2	101.3	100.1	104.5	110.5
Fish and seafood	31.3	53.9	80.1	87.5	94.8	98.2	99.3	102.5	107.5	117.4	129.9
Eggs	66.6	82.4	90.2	88.6	95.9	93.3	97.7	109.1	91.0	97.2	91.5
Dairy products	44.7	62.6	82.6	90.9	97.4	98.8	100.0	101.3	103.2	103.3	106.9
Fruits and vegetables	37.8	58.9	78.8	82.1	92.0	97.0	97.3	105.7	108.4	109.4	119.1
Apples	37.1	56.4	79.1	82.1	94.3	98.6	94.6	106.6	113.1	130.6	131.0
Coffee	31.7	46.4	101.6	111.6	98.2	98.5	98.8	102.7	106.5	132.7	116.2
Alcoholic beverages	62.1	65.8	79.9	86.4	92.5	95.7	100.4	103.0	108.4	111.1	114.1
Alcoholic beverages at home	(NA)	(NA)	80.8	87.3	93.1	97.0	100.6	102.4	106.2	109.3	111.5
Beer and ale at home	48.2	62.4	78.9	84.8	90.9	95.2	100.7	104.2	108.7	108.7	110.9
Distilled spirits at home	(NA)	(NA)	85.1	88.8	94.9	98.2	100.4	101.4	105.3	113.3	114.4
Wine at home	49.7	65.6	82.4	88.5	95.2	100.4	100.5	99.1	100.2	102.4	105.7
Alcoholic beverages away from home	(NA)	(NA)	77.2	82.9	90.1	95.2	99.8	105.1	111.1	118.5	123.4
Lunch away from home	(NA)	(NA)	78.4	83.8	91.4	96.2	100.0	103.6	107.8	112.0	116.6
Dinner away from home	(NA)	(NA)	76.8	84.2	91.4	95.9	99.7	104.4	108.8	112.7	117.0
Housing	36.4	50.7	70.1	81.1	90.4	98.9	99.5	103.6	107.7	110.9	114.2
Renter	36.6	48.8	68.9	81.0	90.5	99.9	99.1	104.0	108.8	115.8	121.3
Renters' cost	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	103.0	108.8	115.4	121.9	128.1
Tenants' insurance	(NA)	(NA)	71.1	78.9	86.8	94.4	100.7	104.8	109.4	115.6	120.4
Homeowners' costs	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	102.5	107.3	113.1	119.4	124.6
Owners' equivalent rent	(NA)	(NA)	-	-	-	-	102.5	107.3	113.2	119.4	124.6
Household insurance	(NA)	(NA)	-	-	-	-	103.2	107.5	112.4	119.2	124.0
Maintenance and repair	38.6	54.1	74.0	82.4	90.7	95.4	99.9	103.7	108.5	107.9	111.8
Maintenance and repair services	33.1	51.3	71.7	80.0	88.6	94.6	99.7	105.7	108.7	111.2	114.8
Household fuels and other utilities	29.1	45.4	64.8	75.4	86.4	94.9	100.2	104.9	106.6	104.1	109.0
Household fuels	23.1	39.4	61.3	74.6	87.2	95.8	100.5	104.0	104.5	99.2	97.3
Fuel oil and other household fuel	17.0	36.4	62.4	66.1	104.6	103.4	97.2	99.4	95.9	77.8	77.9
commodities	16.5	34.9	62.1	67.7	107.3	106.0	96.6	98.5	94.6	74.1	75.8
Fuel oil	25.4	40.1	61.0	71.4	81.9	93.2	101.5	105.4	107.1	105.7	109.8
Gas (piped) and electricity	31.8	50.0	66.8	75.8	87.2	95.8	98.9	105.3	108.9	110.4	110.0
Electricity	19.6	31.1	55.1	65.7	74.9	88.8	104.7	105.5	104.6	89.7	96.1
Utility (piped) gas	58.7	71.7	75.8	77.7	84.6	93.2	99.2	107.5	111.7	117.2	116.5
Telephone services	46.6	63.4	79.9	86.3	93.0	98.0	100.2	101.9	103.8	105.2	107.1
Household furnishings and operations	55.5	69.8	82.9	88.5	94.1	98.5	100.4	101.2	101.7	102.2	103.6
Household furnishings	69.3	78.8	90.4	93.5	97.3	100.5	100.7	98.8	95.2	82.8	91.4
Appliances and electronic equipment	(NA)	(NA)	98.9	100.7	102.9	102.9	100.4	98.7	91.9	88.0	88.0
TV and sound equipment	59.2	72.5	84.9	89.9	95.3	97.8	100.2	102.1	106.0	105.9	110.6
Apparel and upkeep	63.3	78.7	87.5	92.9	98.6	99.3	100.2	101.5	104.0	104.2	108.9
Apparel commodities	64.6	78.0	87.9	93.0	98.5	98.1	100.2	101.6	104.3	104.7	109.6
Apparel commodities less footwear	62.2	76.5	86.4	90.4	94.2	97.6	100.2	102.1	105.0	108.2	109.1
Men's and boy's apparel	71.8	85.6	94.0	96.0	97.5	98.5	100.2	101.3	104.9	104.0	110.4
Women's and girl's apparel	37.5	50.1	70.5	83.1	93.2	97.0	99.3	103.7	108.4	102.3	106.4
Transportation	37.5	50.8	71.7	84.2	93.8	97.1	99.3	103.6	108.2	101.2	104.2
Private transportation	36.6	50.7	73.7	81.5	90.2	98.0	100.3	103.8	108.6	110.3	114.8
Automobile maintenance and repair	42.0	48.4	75.8	82.0	89.9	91.4	100.4	108.2	119.2	135.0	146.2
Automobile insurance	(NA)	(NA)	88.7	86.4	103.2	110.0	92.9	97.1	94.5	88.0	84.9
Automobile finance charges	(NA)	(NA)	74.1	78.3	82.4	93.6	100.2	108.3	111.7	117.2	123.0
Vehicle rental, registration, other	28.3	36.0	49.2	59.0	65.6	94.4	99.6	105.8	112.5	117.1	122.8
Airline fare	34.0	47.5	67.5	74.9	82.8	92.5	100.6	106.8	113.6	122.0	130.1
Medical care	47.4	51.2	66.4	72.5	80.8	90.2	100.1	109.7	120.1	130.4	140.8
Prescription drugs	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	103.1
Nonprescription drugs, medical supplies	32.3	46.6	67.2	74.6	82.8	92.6	100.7	106.7	113.2	121.9	130.0
Medical care services	37.0	50.8	70.1	77.9	85.9	93.2	99.6	107.0	113.5	120.8	128.8
Professional medical services	(NA)	(NA)	61.0	69.2	76.1	90.3	100.5	109.2	116.1	123.1	131.6
Hospital and related services	47.5	62.0	76.7	83.6	90.1	98.0	100.1	103.8	107.9	111.6	115.3
Entertainment	46.1	61.7	76.8	84.5	91.4	97.0	100.2	102.8	105.8	107.9	110.5
Entertainment commodities	(NA)	(NA)	70.9	77.7	85.8	94.3	101.2	104.5	110.7	115.6	118.5
Reading materials	(NA)	(NA)	61.0	68.5	94.4	98.2	99.4	102.4	104.6	104.0	104.2
Sporting goods, equipment	43.5	57.9	75.2	81.9	86.1	95.4	100.3	104.3	108.3	111.9	116.1
Personal care	36.5	48.7	64.1	70.9	79.7	90.3	100.0	106.7	119.1	138.6	138.5
Personal and educational expenses	41.7	56.2	78.8	88.0	93.2	97.0	99.8	103.2	105.4	104.4	107.7
All commodities	43.4	57.6	75.3	85.7	93.1	98.9	100.0	103.1	105.2	101.7	104.3
All commodities less food	44.1	57.4	75.4	83.0	89.6	95.1	99.8	105.1	106.8	106.6	108.2
Durables	40.8	56.3	77.2	87.6	95.2	97.6	99.7	102.5	104.8	103.5	107.5
Nondurables	25.5	42.1	66.7	86.0	97.7	98.2	99.9	100.9	101.6	96.2	98.8
Energy											

Represents 1970. NA Not available.

Source: U.S. Bureau of Labor Statistics, Monthly

Index Report, January issues.

NO. 761. CONSUMER PRICE INDEXES—SELECTED AREAS: 1970 TO 1987

[1983-84-102. Represents annual averages of monthly figures. Local area CPI indexes are byproducts of the national CPI program. Each local index has a smaller sample size than the national index and is therefore, subject to substantially more sampling and other measurement error. As a result, local area indexes show greater volatility than the national index, although their long-term trends are similar. Area definitions are those established by the Office of Management and Budget in 1983. For further detail see the U.S. Bureau of Labor Statistics Handbook of Methods, Bulletin 2285, Chapter 19, the Consumer Price Index, and Report 736, the CPI: 1987 Revision. See also text, section 15]

AREA	1970	1975	1982	1982	1989	1984	1985	1986	1987
All Item Index	38.8	88.8	82.4	88.8	98.6	102.9	107.5	105.5	112.0
Anchorage, AK MSA.....	41.1	57.1	85.5	92.4	99.2	103.3	105.8	107.8	108.2
Atlanta, GA MSA.....	38.6	53.6	80.3	86.0	99.9	104.1	108.9	112.2	116.5
Baltimore, MD MSA.....	39.1	55.2	83.7	98.6	99.9	104.5	109.2	110.9	114.2
Boston-Lawrence-Salem, MA-NH CMSA.....	40.2	55.8	82.6	95.5	99.8	104.7	109.4	112.2	117.1
Buffalo-Niagara Falls, NY CMSA.....	41.2	57.4	83.5	94.7	100.9	104.4	108.6	109.6	113.0
Chicago-Gary-Lake County, IL-IN-WI CMSA.....	38.8	52.8	82.2	95.2	109.0	103.6	107.7	110.0	114.5
Cincinnati-Hamilton, OH-KY-IN CMSA.....	37.4	51.8	82.1	94.9	100.8	104.3	108.5	107.6	111.9
Cleveland-Akron-Lorain, OH CMSA.....	37.2	50.2	78.9	94.0	101.2	104.8	107.8	109.4	112.7
Dallas-Fort Worth, TX CMSA.....	37.8	50.4	81.5	95.0	99.7	104.3	108.2	108.9	112.9
Denver-Boulder, CO CMSA.....	34.5	48.4	78.4	95.1	100.5	104.3	107.1	107.9	110.8
Detroit-Ann Arbor, MI CMSA.....	38.5	53.9	85.3	97.0	99.8	103.2	105.8	108.3	111.7
Honolulu, HI MSA.....	41.5	56.3	83.0	97.2	99.3	103.5	105.8	109.4	114.9
Houston-Galveston-Brazoria, TX CMSA.....	38.4	51.4	82.7	97.3	100.0	102.7	104.9	103.9	108.5
Kansas City, MO-KS CMSA.....	39.0	53.2	83.6	95.0	100.5	104.5	107.7	108.7	113.1
Los Angeles-Anaheim-Riverside, CA CMSA.....	36.7	53.3	83.7	97.3	98.1	103.6	108.4	111.9	116.7
Miami-Fort Lauderdale, FL CMSA.....	(NA)	(NA)	81.1	98.7	99.9	103.5	105.5	107.9	111.8
Milwaukee, WI CMSA.....	37.5	50.8	81.4	85.9	100.2	103.8	107.0	107.4	111.5
Minneapolis-St. Paul, MN-WI MSA.....	37.4	51.2	78.9	97.4	99.5	103.1	107.0	108.4	111.8
New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA.....	41.2	57.6	82.1	85.3	98.8	104.6	108.7	112.3	118.0
Philadelphia-Wilmington-Trenton, PA-NJ-DE- MD CMSA.....	40.8	56.8	83.6	98.6	99.4	104.1	105.8	111.5	116.8
Pittsburgh-Beaver Valley, PA CMSA.....	38.1	52.4	81.0	94.4	101.1	104.5	108.9	108.2	111.4
Portland-Vancouver, OR-WA CMSA.....	38.7	53.5	87.2	98.0	99.1	102.8	108.7	108.2	110.9
San Diego, CA MSA.....	34.1	47.6	79.4	96.2	99.0	104.8	110.4	113.5	117.5
San Francisco-Oakland-San Jose, CA CMSA.....	37.7	51.8	80.4	97.6	95.4	104.0	108.4	111.6	115.4
Seattle-Tacoma, WA CMSA.....	37.4	51.1	82.7	97.7	99.3	103.0	105.6	108.7	109.2
St. Louis-East St. Louis, MO-IL CMSA.....	38.6	52.6	82.5	98.6	100.1	103.3	107.1	108.6	112.2
Washington, DC-MD-VA MSA.....	39.8	54.7	82.9	95.5	98.8	104.6	109.0	112.2	116.2
1987									
	All Items	Food and bever- ages	Food	Hous- ing	Appar- el and up- keep	Trans- porta- tion	Medi- cal care	Enter- tain- ment	Fuel and other utilities
Index	112.0	113.5	113.5	114.2	110.6	108.4	130.1	115.3	103.0
Baltimore, MD MSA.....	114.2	116.8	117.1	112.6	119.7	106.8	127.9	118.9	94.0
Boston-Lawrence-Salem, MA-NH CMSA.....	117.1	119.4	119.2	116.8	115.9	103.3	139.2	119.4	88.9
Chicago-Gary-Lake County, IL-IN-WI CMSA.....	114.5	113.2	113.1	116.3	109.2	106.1	129.2	118.0	104.3
Cleveland-Akron-Lorain, OH CMSA.....	112.7	111.3	111.3	114.0	108.5	103.9	128.5	115.8	102.6
Dallas-Fort Worth, TX CMSA.....	112.9	115.9	118.1	109.5	114.5	103.5	134.2	122.0	100.6
Detroit-Ann Arbor, MI CMSA.....	111.7	110.5	110.3	113.0	108.0	105.3	132.9	112.1	108.8
Houston-Galveston-Brazoria, TX CMSA.....	108.5	111.8	112.1	97.0	113.6	102.5	130.4	116.5	94.2
Los Angeles-Anaheim-Riverside, CA CMSA.....	116.7	113.2	112.9	121.0	112.5	108.9	129.5	111.2	112.6
Miami-Fort Lauderdale, FL CMSA.....	111.8	113.0	113.5	108.7	115.6	106.6	126.6	113.7	109.8
New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA.....	118.0	118.6	118.6	116.0	109.9	106.7	136.1	119.2	94.1
Philadelphia-Wilmington-Trenton, PA-NJ-DE- MD CMSA.....	118.8	112.1	112.0	116.4	107.7	111.5	133.0	112.2	100.8
Pittsburgh-Beaver Valley, PA CMSA.....	111.4	109.4	109.3	113.4	107.0	100.5	130.2	121.4	108.4
St. Louis-East St. Louis, MO-IL CMSA.....	112.2	114.0	114.1	112.1	107.6	103.9	127.9	113.9	109.4
San Francisco-Oakland-San Jose, CA CMSA.....	115.4	113.7	114.0	121.5	104.6	102.4	128.7	121.6	105.4
Washington, DC-MD-VA MSA.....	116.2	113.6	113.6	118.9	116.3	106.9	129.1	121.5	101.0

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, and *CPI Detailed Report*, January issues.

No. 762. ANNUAL PERCENT CHANGES IN CONSUMER PRICES, UNITED STATES AND OECD COUNTRIES: 1970 TO 1987

[Covers member countries of Organisation for Economic Cooperation and Development (OECD). For consumer price indexes for OECD countries, see section 31]

COUNTRY	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
United States	5.8	9.1	5.7	9.5	7.8	11.3	13.5	10.3	9.1	3.2	4.3	3.5	1.9	3.7				
OECD, total	11.3	8.7	8.9	7.8	9.7	13.0	10.5	7.7	5.3	3.2	4.5	2.6	3.2					
OECD, Europe	5.8	13.3	11.0	11.2	9.0	10.4	14.6	12.1	10.2	8.3	7.6	6.6	4.0	3.9				
Australia	3.8	15.1	13.5	12.3	7.9	8.1	10.2	9.6	11.1	10.1	3.9	5.8	8.1	8.5				
Canada	3.4	10.8	7.5	8.0	8.9	9.2	10.2	12.5	10.8	5.8	4.3	4.0	4.2	4.4				
Japan	7.7	11.8	9.3	8.1	9.8	3.8	8.0	4.9	2.7	1.8	2.2	2.1	.4	-2				
New Zealand	6.6	14.7	18.9	14.3	11.9	13.8	17.1	15.4	16.1	7.4	6.2	15.4	13.2	15.7				
Austria	4.4	8.4	7.3	6.5	3.8	3.7	8.4	6.6	5.4	3.3	5.9	3.2	1.7	1.4				
Belgium	3.9	12.8	9.2	7.1	4.5	4.5	8.5	7.6	8.7	7.7	8.3	4.9	1.3	1.8				
Denmark	5.8	9.6	9.0	11.1	10.0	9.8	12.3	11.7	10.1	6.9	8.3	4.7	3.6	4.0				
Finland	2.8	17.9	14.4	12.6	7.8	7.5	11.8	12.0	8.6	8.3	7.1	5.8	2.9	4.1				
France	5.2	11.8	9.8	9.4	8.1	10.8	13.8	13.4	11.8	8.6	7.4	6.8	2.7	3.1				
Greece	3.2	13.4	13.3	12.1	12.6	19.0	24.9	24.5	21.0	20.2	18.5	19.3	23.0	18.4				
Ireland	8.2	30.9	18.0	13.8	7.8	13.3	18.2	20.4	17.1	19.5	8.6	5.4	3.6	3.2				
Italy	5.1	17.2	18.5	18.1	12.4	16.7	21.1	18.7	16.3	15.0	10.8	8.8	8.1	4.8				
Luxembourg	4.8	10.7	9.8	8.7	3.1	4.5	6.3	8.1	9.4	8.7	4.6	4.1	.3	-1				
Netherlands	3.8	10.2	8.8	8.4	4.1	4.2	6.5	6.7	6.0	2.8	3.3	2.9	.3	-5				
Norway	10.8	11.7	9.1	9.1	8.1	4.8	10.9	13.7	17.3	8.4	8.2	5.7	7.2	8.7				
Portugal ¹	8.9	20.4	19.3	27.2	22.5	23.8	16.8	20.0	22.4	25.5	28.3	19.3	11.7	8.4				
Spain	5.7	18.9	17.7	24.5	19.8	15.7	15.5	14.8	14.4	12.2	11.3	8.8	8.8	5.3				
Sweden	7.0	9.8	10.3	11.4	10.0	7.2	13.7	12.1	8.8	8.9	8.0	7.4	4.3	4.2				
Switzerland	3.6	8.7	1.7	1.3	1.1	3.6	4.0	6.5	5.6	3.0	3.0	3.4	.7	1.5				
Turkey ¹	7.9	19.2	17.4	27.1	45.9	68.7	110.2	36.8	30.8	21.4	48.4	43.0	34.6	26.9				
United Kingdom	6.4	24.2	18.5	15.8	8.3	13.4	18.0	11.8	8.8	4.6	5.0	6.1	3.4	4.2				
West Germany	3.4	6.0	4.5	3.7	2.7	4.1	5.5	6.3	5.3	3.3	2.4	2.2	-2	.2				

¹ Excludes rent.

Source: Organisation for Economic Cooperation and Development, Paris, France, *Main Economic Indicators*, monthly.

No. 763. CONSUMER PRICE INDEX BY REGION: 1975 TO 1987

[1983-84 = 100. For composition of regions, see fig. 1, inside front cover]

ITEM	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
U.S. city average, all items	53.8	58.9	60.6	65.2	72.6	82.4	90.9	98.5	99.6	103.9	107.6	109.6	113.6
Food	59.8	61.6	65.5	72.0	79.9	98.5	103.6	97.4	99.4	103.2	106.9	109.0	113.6
Housing	50.7	53.6	57.4	62.4	70.1	81.1	90.4	98.9	99.5	103.8	107.7	110.9	114.2
Gas (piped) and electricity	40.1	44.7	50.5	55.0	61.0	71.4	81.9	93.2	101.5	106.4	107.1	105.7	103.6
Northeast:													
All items	55.8	59.0	62.3	66.2	72.3	82.2	91.0	95.8	98.6	104.5	108.4	111.1	116.0
Food	60.4	62.4	65.9	72.1	79.3	98.5	103.4	97.3	99.4	103.3	106.2	110.1	116.8
Housing	(NA)	(NA)	(NA)	63.8	70.2	80.7	90.7	98.7	99.7	104.8	108.0	112.7	117.3
Gas (piped) and electricity	(NA)	(NA)	(NA)	57.9	64.0	79.9	85.4	94.4	100.9	104.7	106.9	104.6	101.2
North Central:													
All items	58.0	58.1	60.8	64.7	72.6	86.4	93.1	95.5	99.9	103.8	106.8	109.0	111.9
Food	60.3	62.8	66.6	73.5	81.5	98.5	104.9	96.1	99.3	102.7	104.4	107.5	111.9
Housing	(NA)	(NA)	(NA)	60.8	69.2	80.0	87.7	99.2	100.3	103.5	107.0	109.4	112.4
Gas (piped) and electricity	(NA)	(NA)	(NA)	55.5	62.1	70.1	79.1	90.7	103.3	106.1	108.8	107.1	104.8
South:													
All items	58.3	58.3	60.0	65.0	72.4	81.9	90.7	95.5	99.7	103.8	107.1	109.9	112.4
Food	59.7	61.1	65.1	71.7	79.8	98.5	103.5	97.1	99.3	103.8	105.7	108.5	113.1
Housing	(NA)	(NA)	(NA)	62.8	70.2	80.8	90.4	97.5	98.6	103.0	106.3	109.0	111.0
Gas (piped) and electricity	(NA)	(NA)	(NA)	58.4	61.7	70.2	82.8	94.1	100.9	105.0	106.0	105.1	104.3
West:													
All items	52.6	55.8	59.8	65.0	72.6	89.9	91.9	97.4	99.0	103.6	108.0	110.5	114.3
Food	57.9	59.0	63.6	70.7	78.7	98.2	102.3	98.7	99.7	103.8	108.1	109.0	112.9
Housing	(NA)	(NA)	(NA)	63.2	70.6	88.9	92.6	98.4	98.2	103.3	106.8	113.0	116.5
Gas (piped) and electricity	(NA)	(NA)	(NA)	47.5	53.1	72.1	80.3	94.6	99.9	105.6	106.1	105.8	106.5

NA Not available.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review* and *CPI Detailed Report*, January issues.

Commodities Exported and Imported

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NO. 764. AVERAGE PRICES (UNIT VALUES)—SELECTED COMMODITIES EXPORTED AND IMPORTED:
1970 TO 1987

[In dollars per unit. Includes trade of Puerto Rico with foreign countries. Unit values obtained by dividing annual values of domestic exports and imports of merchandise for consumption by annual quantities. Values of goods exported represent those at port of export. For 1970, values of goods imported represent market values in country from which imported; transaction values f.a.s. (free alongside ship) at port of export for 1980; and customs value beginning in 1982. Unit values may show actual price movements only roughly for commodities subject to considerable price variations among different grades, methods of packing, etc., and to year-to-year variations in proportions of grades, etc. Unit values of agricultural exports also include effects of Commodity Credit Corporation sales for export.]

COMMODITY	Unit	1970	1982	1982	1982	1984	1985	1986	1987
EXPORTS									
Wheat.....	Bushel.....	1.58	4.85	4.46	4.41	4.17	3.95	3.34	2.70
Milled rice, less than 75% broken kernels.....	Lb.....	.03	.20	.19	.19	.19	.17	.11	.11
Corn.....	Bushel.....	1.45	3.41	2.91	3.40	3.63	3.00	2.11	1.81
Grain sorghums.....	Bushel.....	1.32	3.34	2.92	3.36	3.17	2.85	2.23	1.98
Wheat flour.....	100 lb.....	3.85	12.17	11.26	6.89	11.69	9.57	8.81	6.48
Leaf tobacco, flue-cured, unstemmed.....	Lb.....	.92	2.11	2.62	2.70	2.82	2.54	2.41	2.39
Cigarettes.....	1,000.....	5.45	12.87	18.78	18.55	19.82	20.02	20.30	20.42
Soybeans.....	Bushel.....	2.80	7.35	6.64	7.09	7.57	6.04	5.01	4.57
Synthetic rubber, "S" type ¹	Lb.....	.18	.40	.46	.44	.44	.44	.37	.38
Woodpulp, special alpha and dissolving grades.....	Sh. ton.....	187	512	519	504	511	474	477	513
Cotton, upland, staple 1" to 1½".....	Lb.....	.26	.71	.64	.69	.74	.69	.76	.29
Cotton, upland, staple, 1½" and over.....	Lb.....	.31	.82	.74	.75	.80	.75	.34	.85
Bituminous coal.....	Sh. ton.....	13	40	56	49	51	45	48	43
Steel scrap, No. 1, heavy melting.....	Sh. ton.....	43	102	74	74	66	79	102	94
Tallow, inedible.....	Lb.....	.09	.22	.20	.18	.23	.20	.14	.15
Soybean oil, crude.....	Lb.....	.12	.27	.22	.22	.31	.30	.21	.19
Carbon steel sheets, cold rolled.....	Lb.....	.09	.18	.25	.24	.26	.30	.19	.20
Polystyrene resin.....	Lb.....	.13	.42	.34	.34	.38	.32	.37	.40
Styrene, polymer, and copolymer resins.....	Lb.....	.19	.58	.68	.67	.71	.74	.69	.70
Container board liners.....	Lb.....	.09	.16	.14	.13	.15	.13	.29	.66
Nylon yarn, incl. monofilaments.....	Lb.....	.95	1.41	1.54	1.49	1.24	1.33	1.07	1.14
Carbon black, furnace.....	Lb.....	.09	.33	.52	.58	.61	.64	.75	.58
Copper, refined, crude forms.....	Lb.....	.67	.97	.68	.74	.69	.63	.67	.93
Aluminum metal and alloys.....	Lb.....	.26	.81	.75	.69	.90	.69	.74	.95
IMPORTS									
Canned beef.....	Lb.....	.43	1.44	1.15	1.14	1.04	1.14	1.15	1.40
Cashew nuts.....	Lb.....	.60	2.02	1.61	1.58	2.12	1.95	2.52	2.81
Raw sugar.....	Lb.....	.07	.22	.15	.18	.19	.13	.16	.15
Coffee (Brazil).....	Lb.....	.47	1.87	1.25	1.24	1.31	1.27	1.72	.94
Coffee (Colombia).....	Lb.....	.54	1.70	1.40	1.29	1.37	1.27	1.69	1.16
Cocoa (cacao beans, Africa).....	Lb.....	.35	1.28	.82	.73	.82	.95	1.00	.94
Tea (Sri Lanka).....	Lb.....	.39	.68	.76	.98	1.37	.95	.79	.69
Whisky, containers of 1 gal. or less (U.K.).....	Proof gal.....	7.48	13.58	18.78	16.33	18.49	16.80	11.85	13.57
Whisky, containers of 1 gal. or less (Canada).....	Proof gal.....	6.70	9.99	12.94	13.08	13.56	12.71	6.47	5.91
Cigarette leaf, unstemmed.....	Lb.....	.57	1.27	1.43	1.54	1.52	1.49	1.48	1.37
Goat and kid skins, dry.....	Lb.....	1.08	5.10	2.26	2.33	1.86	1.40	3.97	4.16
Crude rubber, except milk.....	Lb.....	.19	.59	.37	.42	.45	.35	.35	.40
Sawed lumber, fir.....	Mill. bd. ft.....	71	255	170	212	167	205	209	208
Sawed lumber, spruce.....	Mill. bd. ft.....	74	192	163	195	185	181	190	182
Woodpulp, sulphite, bleached, exc. rayon and special chemical grades.....	Sh. ton.....	143	444	449	417	418	369	369	222
Woodpulp, sulphate, bleached.....	Sh. ton.....	144	432	377	339	412	333	333	403
Apparel wool, 60's and finer ²	Lb.....	.69	1.70	1.78	1.57	1.51	1.57	1.97	2.27
Iron ore (Canada).....	Ton.....	12.42	33.61	36.82	36.44	37.05	36.01	36.04	31.53
Iron ore (Venezuela).....	Ton.....	8.33	22.48	33.64	34.97	22.82	24.10	21.11	21.07
Manganese ore, metallurgical grade ³	Lb.....	.02	.07	.09	.06	.02	.03	.04	.04
Bauxite, crude.....	Ton.....	10.91	27.81	33.14	29.17	30.26	29.41	27.98	24.17
Copper ores and concentrates ²	Lb.....	.62	.70	.56	.49	.62	.51	.56	.65
Crude petroleum (Venezuela) ⁴	Bbl.....	2.30	27.64	33.84	27.78	28.57	27.02	13.59	15.58
Newspaper.....	Sh. ton.....	140	369	421	399	418	429	429	464
Jute burlap.....	Lb.....	.23	.38	.48	.47	.52	.59	.41	.31
Concrete reinforcement bars.....	Lb.....	.06	.15	.12	.09	.10	.11	.11	.12
Steel tubes and pipes, at least .085" thick, ½" diameter.....	Lb.....	.08	.23	.31	.24	.21	.50	.39	.38
Copper, refined (Chile) ²	Lb.....	.63	.99	.69	.71	.82	.62	.69	.71
Nickel in pigs, ingots, shot, etc.....	Lb.....	1.30	3.17	2.81	2.33	2.31	2.48	2.01	2.01
Tin bars, blocks, pigs, etc. (Malaysia).....	Lb.....	1.69	7.75	5.89	6.00	5.52	5.37	3.15	2.97

¹ Excludes latex (liquid).² Clean content.³ Metal content.⁴ Testing 25° API or more.

Source: U.S. Bureau of the Census, *U.S. Exports, Schedule B Commodity, By Country*, Report FT 446, annual; and *U.S. Imports for Consumption and General Imports, TSUSA Commodity by Country of Origin*, Report FT 246, annual.

No. 765. IMPORT PRICE INDEXES—SELECTED COMMODITIES: 1960 TO 1988

[1985 = 100, except as noted. Index values are given for the June quarter of each year. Indexes are weighted by the 1980 Tariff Schedule of the United States. Annotated, a scheme for describing and reporting product composition and value of U.S. imports. Import prices are based on U.S. dollar prices paid by importer. F.O.B.—Free on board; c.i.f.—Cost, insurance, and freight]

Commodity	1960	1961	1962	1963	1964	1965 ¹	1966	1967	1968
All commodities	(NA)	(NA)	(NA)	102.6	103.6	99.2	99.7	119.6	116.9
Food	105.1	98.5	92.1	98.6	104.2	98.9	107.3	108.3	113.9
Meat	112.5	114.9	114.2	111.2	107.9	94.0	96.0	108.0	107.1
Meat and edible meat offals, fresh, chilled or frozen	114.5	116.4	115.0	115.0	109.4	93.2	91.1	102.0	104.7
Meat and edible meat offals, prepared or preserved, n.e.s. ²	108.7	112.7	114.3	102.4	105.6	95.6	106.5	120.6	111.5
Dairy products and eggs	(NA)	100.8	104.4	102.5	100.7	98.7	108.7	122.3	125.0
Fish	94.5	102.4	103.1	101.7	101.9	98.6	110.5	126.0	129.1
Shellfish, fresh, chilled, frozen, salted, or dried, c.i.f.	84.0	91.9	101.6	105.4	106.7	90.4	113.3	123.2	122.6
Fish in airtight containers, c.i.f.	111.8	117.6	111.5	102.3	102.3	98.1	103.6	113.7	130.2
Bakery goods ³	95.7	100.6	100.3	95.6	98.4	97.1	112.5	126.2	139.9
Fruits and vegetables	79.2	100.1	98.5	104.4	107.4	103.0	100.0	110.1	120.3
Sugar ⁴	(NA)	(NA)	70.0	99.2	101.8	102.3	104.6	109.6	110.0
Coffee, tea, cocoa	114.9	90.6	84.6	89.0	105.6	98.8	117.2	87.0	93.4
Beverages and tobacco	95.7	92.8	96.2	96.7	98.2	99.2	105.2	112.8	118.2
Beverages	87.2	94.5	97.9	96.2	98.3	98.9	106.1	114.2	119.9
Alcoholic	87.2	94.5	97.9	96.3	98.2	98.9	105.6	113.7	118.3
Wine of fresh grapes, c.i.f.	92.7	98.5	100.5	100.1	96.2	98.7	108.7	121.0	127.2
Beer, c.i.f.	(NA)	(NA)	97.4	97.5	98.6	100.1	103.2	111.4	114.2
Spirits, c.i.f.	90.5	91.9	98.7	97.6	99.4	98.5	104.1	108.1	115.6
Crude materials	(NA)	(NA)	(NA)	(NA)	108.4	100.5	108.4	116.2	137.8
Crude rubber ⁵	(NA)	(NA)	(NA)	(NA)	120.9	101.0	99.5	103.7	151.1
Wood	(NA)	(NA)	92.5	119.6	99.6	105.0	104.3	110.2	111.4
Lumber	94.6	99.5	90.6	122.5	99.6	105.4	104.6	110.0	111.1
Pulp and waste paper	(NA)	(NA)	121.2	101.4	121.3	101.4	100.3	132.0	160.5
Crude minerals	(NA)	(NA)	(NA)	(NA)	98.0	100.6	99.0	99.6	101.0
Metalliferous ores and metal scrap	(NA)	(NA)	(NA)	(NA)	114.5	95.6	121.6	124.5	167.6
Ores and concentrates of base metals, n.e.s. ⁶	(NA)	(NA)	(NA)	(NA)	120.4	94.5	134.0	138.4	192.9
Crude vegetable and animal materials, n.e.s. ⁷	(NA)	(NA)	(NA)	(NA)	91.6	94.6	111.3	109.0	149.0
Fuels and related products	(NA)	(NA)	123.5	106.4	108.7	98.7	51.5	74.1	64.7
Crude petroleum and petroleum products	(NA)	(NA)	121.7	106.6	107.2	99.5	49.0	74.4	65.0
Crude petroleum	120.3	131.9	125.1	106.3	107.7	100.5	45.8	68.7	59.5
Natural gas and LNG	(NA)	(NA)	150.6	134.9	131.0	102.3	79.7	67.6	66.7
Fats and oils	(NA)	(NA)	(NA)	(NA)	174.3	110.0	66.7	87.9	111.2
Chemicals and related products	(NA)	(NA)	(NA)	103.6	104.5	100.4	98.7	104.6	116.3
Intermediate manufactured products	105.9	107.0	102.9	101.7	104.2	99.1	103.6	112.5	131.6
Leather and furskins	103.1	101.4	96.9	97.0	105.6	97.9	108.3	116.6	137.0
Rubber manufactures	100.4	106.6	107.9	103.5	102.2	99.5	101.2	104.6	107.7
Cork and wood manufactures	103.7	107.5	101.1	107.0	104.4	99.2	111.0	124.3	137.8
Paper and paperboard products	84.3	90.2	95.3	90.7	96.7	99.9	100.6	104.9	118.3
Paper and paperboard	83.8	89.5	95.1	90.1	95.1	100.0	99.9	102.5	115.5
Newsprint, c.i.f.	83.0	88.7	94.6	88.7	94.0	100.1	98.2	106.0	119.1
Textiles	101.6	103.6	99.5	97.6	99.4	98.9	105.4	111.8	120.6
Non-metallic mineral manufactures	100.9	95.5	100.1	105.8	106.0	98.2	110.5	126.7	142.5
Iron and steel	99.2	108.6	106.3	95.4	102.9	100.2	98.9	106.6	127.2
Non-ferrous metals	(NA)	(NA)	107.2	119.2	118.1	100.2	98.9	112.4	154.6
Silver, platinum and other metals of platinum group, c.i.f.	(NA)	(NA)	100.3	148.6	132.9	94.6	106.6	141.7	135.7
Copper	129.7	123.2	110.0	114.6	104.6	100.6	103.9	107.6	148.6
Nickel, c.i.f.	(NA)	(NA)	117.3	96.9	98.1	105.7	88.1	83.5	262.4
Zinc	91.2	106.7	87.0	91.7	126.9	109.4	83.2	101.3	147.2
Tin, c.i.f.	146.6	119.4	114.8	116.5	106.6	103.9	49.0	60.4	62.0
Metal manufactures, n.e.s. ⁸	103.3	106.5	104.3	99.5	100.5	99.2	107.9	112.7	127.9
Machinery and transport equipment	(NA)	96.5	99.6	100.7	100.5	98.9	110.4	119.9	127.3
Machinery specialized for particular industries	(NA)	(NA)	102.9	104.3	100.1	96.4	116.9	136.1	149.5
Metaworking machinery	109.6	107.0	109.7	106.1	102.1	98.3	113.0	126.1	142.5
General industrial machinery, parts n.e.s. ⁹	(NA)	107.6	105.9	103.3	101.8	96.0	116.2	130.6	143.5
Office machines ¹⁰	109.9	108.6	105.0	104.3	105.6	99.5	109.1	114.0	119.6
Telecommunications ¹¹	115.0	118.1	113.0	110.1	107.4	100.2	106.4	110.3	114.0
Electric machinery and equipment	(NA)	(NA)	115.3	115.7	107.2	100.3	108.4	115.8	123.6
Road vehicles and parts	(NA)	98.0	93.0	94.5	97.2	98.6	110.6	120.5	127.7
Misc. manufactured articles	100.3	102.8	101.3	101.6	102.7	98.2	106.6	117.6	125.6
Plumbing, heating and lighting fixtures	87.6	89.4	91.6	94.2	96.3	98.6	108.6	117.0	127.0
Furniture and parts	106.6	105.1	107.9	104.8	102.5	98.6	109.0	116.6	124.0
Footwear, c.i.f.	101.1	104.1	100.7	97.5	102.0	98.1	108.0	119.6	130.2
Professional scientific and controlling instruments and apparatus	109.4	110.3	109.6	104.0	102.3	96.1	117.9	135.9	142.2
Photographic apparatus ¹²	111.1	111.5	104.6	100.1	101.5	96.9	113.8	126.0	129.3
Misc. manufactured articles, n.e.s. ¹³	(NA)	(NA)	106.4	104.4	103.0	99.6	108.1	121.1	132.1

NA Not available ¹ June 1965 may not equal 100 because indexes were reweighted to an "average" trade value in 1965

² N.e.s. not elsewhere specified ³ includes pasta products, grain and grain preparations. ⁴ includes sugar preparations and honey ⁵ includes synthetic and reclaimed rubber ⁶ includes automatic data processing equipment ⁷ includes sound recording and reproducing equipment ⁸ includes photographic supplies, optical goods, watches and clocks.

Source: U.S. Bureau of Labor Statistics, News, quarterly

No. 780. EXPORT PRICE INDEXES—SELECTED COMMODITIES: 1980 TO 1988

1985=100, except as noted. Index values are given for June quarter of each year. Indexes are weighted by 1980 export values according to the Schedule B classification system of the U.S. Bureau of the Census. Prices used in these indexes were collected from a sample of U.S. manufacturers of exports and are f.o.b. (free on board) factory transaction prices, except as noted.

COMMODITY	1980	1981	1982	1983	1984	1985 ¹	1986	1987	1988
All commodities	(NA)	(NA)	(NA)	(NA)	104.1	108.4	99.1	102.2	108.4
Food	(NA)	(NA)	(NA)	111.5	118.3	100.5	97.1	88.9	103.4
Meat	(NA)	(NA)	(NA)	94.4	102.1	96.8	105.2	121.2	131.8
Fish	(NA)	(NA)	(NA)	94.2	98.3	101.2	108.6	125.8	144.7
Grain and grain preparations	108.5	125.8	105.9	117.4	121.8	102.5	99.0	71.0	87.2
Wheat	113.7	118.3	107.5	112.2	110.2	99.9	80.7	66.8	87.8
Rice	128.3	167.1	104.9	118.4	107.2	101.6	87.9	59.1	105.7
Corn, yellow, f.o.b.	99.7	126.5	104.3	120.4	131.3	104.0	95.2	72.7	83.7
Other grain	(NA)	(NA)	(NA)	(NA)	(NA)	108.3	95.5	77.7	87.6
Fruits and vegetables	(NA)	(NA)	(NA)	85.7	102.8	100.1	108.6	112.4	104.4
Feedstuff for animals	(NA)	(NA)	(NA)	132.3	129.9	90.9	114.8	123.8	158.1
Miscellaneous food products	(NA)	(NA)	(NA)	91.9	100.5	99.8	97.0	100.8	102.7
Beverages and tobacco	(NA)	(NA)	(NA)	100.4	102.4	100.1	97.4	105.0	110.6
Tobacco and tobacco products	(NA)	(NA)	(NA)	100.7	102.5	100.1	97.1	105.0	110.7
Crude materials	(NA)	(NA)	(NA)	104.5	123.6	101.6	102.2	114.5	139.7
Raw hides and skins	76.4	94.7	89.1	90.3	118.1	97.4	117.1	149.8	184.2
Oleace and oleaginous fruit	109.3	132.2	113.7	110.8	154.1	105.5	96.1	101.8	143.0
Crude rubber f.a.s. ²	(NA)	(NA)	(NA)	(NA)	100.3	99.8	99.9	101.0	106.1
Wood	122.9	107.7	108.1	99.6	101.3	95.7	101.2	116.2	149.5
Pulp and waste paper	(NA)	(NA)	(NA)	104.4	127.5	100.3	116.4	149.9	178.8
Textile fibers	108.3	120.1	101.8	108.8	120.5	103.5	98.0	112.4	108.8
Cotton	120.5	131.7	103.1	113.2	133.0	103.4	95.5	114.4	108.8
Crude minerals and fertilizers	79.2	91.5	90.9	87.2	88.9	100.4	98.4	94.0	94.9
Metal ores and scrap	(NA)	(NA)	(NA)	(NA)	117.2	100.9	98.0	107.0	148.0
Scrap metal (iron or steel) f.a.s. ²	123.4	113.4	93.3	95.7	112.1	100.2	96.1	95.8	147.7
Nonferrous base metal waste and scrap, n.e.s. ² , f.a.s. ²	(NA)	(NA)	(NA)	117.0	118.9	98.9	101.3	126.9	186.6
Fuels and related products	(NA)	(NA)	(NA)	(NA)	101.5	101.8	76.8	82.8	82.1
Coal and coke	(NA)	(NA)	(NA)	(NA)	(NA)	100.5	94.0	88.2	91.8
Crude petroleum and petroleum products ²	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	97.7
Fats and oils	(NA)	(NA)	(NA)	79.8	130.9	113.4	87.7	78.8	97.3
Vegetable oils	(NA)	(NA)	(NA)	71.3	125.8	118.8	70.6	71.9	93.7
Chemicals and related products	(NA)	(NA)	(NA)	99.1	102.4	100.2	98.0	106.7	121.8
Organic chemicals	(NA)	(NA)	(NA)	(NA)	105.8	100.8	93.1	118.4	145.1
Hydrocarbons, n.e.s. ² and derivatives f.a.s. ²	138.3	138.3	117.6	111.7	113.9	101.4	86.4	142.8	170.7
Alcohols, phenols, phenol-alcohols, and derivatives, f.a.s. ²	117.6	115.6	112.0	108.0	107.2	99.9	96.9	102.7	143.8
Carboxylic acids, f.a.s. ²	101.1	103.2	100.7	98.5	104.2	100.7	98.0	103.2	127.6
Fertilizers, manufactured	(NA)	(NA)	(NA)	98.2	107.1	97.2	93.0	91.6	108.8
Pesticides, starches, glue, gas and oil additives, chemical materials and products, n.e.s. ²	(NA)	(NA)	(NA)	(NA)	97.1	99.9	101.5	97.7	102.3
Intermediate manufactured products	(NA)	(NA)	97.9	100.6	101.6	100.2	102.5	107.9	117.8
Leather and fur skins	103.4	103.3	89.7	86.5	104.5	99.1	103.8	126.8	125.1
Rubber manufactures	82.8	82.4	97.8	96.9	98.7	100.2	100.1	102.5	108.8
Paper and paperboard products	88.0	93.4	92.0	89.5	102.0	100.5	104.7	117.0	129.0
Textiles	(NA)	(NA)	(NA)	(NA)	(NA)	100.2	102.8	103.7	107.9
Non-metallic mineral manufactures ⁴	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	102.4	108.7	114.1
Iron and steel	(NA)	(NA)	105.0	100.2	100.4	98.5	100.2	102.9	110.8
Non-ferrous metals	(NA)	(NA)	102.6	123.5	111.8	102.0	103.1	113.0	143.7
Metal manufactures, n.e.s. ²	(NA)	(NA)	94.6	95.5	98.3	99.7	100.8	101.3	108.0
Machinery and transport equipment⁵	79.1	88.4	93.0	94.8	97.8	100.0	100.8	101.8	103.8
Power generating machinery ⁶	70.5	80.4	88.5	90.8	93.2	100.1	102.4	103.7	108.5
Internal combustion piston engines, parts	73.5	82.9	91.2	96.2	99.8	99.8	101.4	102.9	107.1
Electric motors, generators, and other rotating plant, f.o.b. factory	84.5	88.4	95.9	95.8	95.7	101.0	103.2	107.7	117.9
Machinery specialized for particular industries	76.9	88.3	93.7	95.6	98.1	100.0	100.3	100.1	103.8
Agricultural machinery and parts ⁷	72.8	80.1	88.6	93.6	97.6	99.7	100.4	101.2	102.0
Civil engineering and contractors, plant and equipment ⁸	77.4	89.3	99.5	97.5	99.6	100.3	98.4	96.0	98.6
Metalworking machinery	77.5	86.1	93.8	95.2	97.0	99.7	102.0	106.7	111.3
General industrial machines, parts, n.e.s. ²	76.6	85.7	93.1	94.6	97.2	100.0	101.8	104.5	108.0
Office machines ⁹	101.8	108.5	106.0	104.6	102.4	99.8	99.0	96.1	95.5
Telecommunications ¹⁰	88.8	91.5	96.7	98.9	99.8	99.8	99.9	101.4	104.6
Electrical machinery, equipment	87.6	90.0	94.9	94.8	98.4	100.9	99.2	102.1	102.8
Road vehicles and parts	76.8	83.3	90.1	93.4	97.5	100.1	101.7	103.5	104.7
Other transport equipment ¹¹	84.4	73.2	83.8	88.5	94.5	99.2	103.1	105.5	108.6

NA = Not available. ¹ June 1985 may not equal 100 because indexes were reweighted to an "average" trade value in 1985. F.a.s. = free alongside ship. N.e.s. = not elsewhere specified. ² December 1987 = 100. ³ September 1985 = 100. ⁴ Includes military and commercial aircraft. ⁵ Includes equipment. ⁶ Excludes tractors. ⁷ Includes parts. ⁸ Includes data processing equipment. ⁹ Includes sound recording and reproducing equipment.

Source: U.S. Bureau of Labor Statistics, News, quarterly.

No. 767. SELECTED MINERAL PRODUCTS—AVERAGE PRICES: 1975 TO 1987

[Represents average price except as noted. Excludes Alaska and Hawaii, except as noted. See also *Historical Statistics, Colonial Times to 1970*, series M96, 139, 149, 209, 249, and 299]

MINERAL	Unit	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987, prel.
Aluminum ¹	Cents/lb	39.8	51.6	54.0	61.0	71.6	76.0	76.0	77.8	81.0	81.0	81.0	72.3
Bituminous coal ²	Dol./sh. ton	16.25	19.62	21.76	23.65	24.52	26.29	27.14	25.85	25.51	25.10	23.70	23.00
Cobalt ³	Dol./lb	2.36	3.58	6.40	24.56	25.00	14.56	8.56	5.79	10.40	11.43	7.40	6.56
Copper, electrolytic	Cents/lb	84.2	68.8	66.5	63.3	101.3	84.2	72.8	75.5	66.6	67.0	65.1	82.5
Gold	Dol./fine oz	161	148	194	306	613	460	376	424	361	318	368	448
Lead (NY)	Cents/lb	21.6	30.7	33.7	52.6	42.5	36.5	25.5	21.7	25.8	19.1	22.1	35.9
Natural gas ⁴	Dol./1,000 cu. ft.	.45	.79	.91	1.18	1.59	1.99	2.46	2.59	2.66	2.51	1.94	1.71
Nickel ⁵	Dol./lb	2.20	2.41	2.10	3.20	2.85	2.85	2.24	2.20	2.22	2.26	1.86	2.26
Petroleum, crude ²	Dol./bbl	7.67	8.97	9.00	12.64	21.59	31.77	28.52	26.19	25.86	24.09	12.51	15.41
Platinum ⁶	Dol./troy oz	184	162	237	352	439	475	475	475	475	475	510	600
Silver	Dol./fine oz	4.42	4.62	5.40	11.09	20.63	10.52	7.65	11.44	8.14	6.14	5.47	7.01
Tungsten													
concentrate ⁷	Dol./lb	6.30	8.16	6.22	5.40	6.36	7.66	6.35	4.70	5.16	4.22	3.21	2.88
Zinc ⁸	Cents/lb	39.0	34.4	31.0	37.3	37.4	44.6	39.5	41.4	48.6	40.4	39.0	41.9

¹ 99.8 percent primary aluminum ingot. ² Average value at point of production; includes Alaska. Source: U.S. Energy Information Administration, *Annual Energy Review* and *Monthly Energy Review*. ³ Includes subbituminous coal and lignite. ⁴ Weighted average based on the market price quoted by a major U.S. cobalt dealer, otherwise based on range of prices. ⁵ Represents low price for year. Price ranged from low 6.40 lb. to 20.00 per lb. ⁶ Average value of marketed production. ⁷ 1975-1979, peak price quoted U.S. buyers by International Nickel Co., Inc., for electrolytic nickel; includes U.S. duty f.o.b. Port Colborne, Ontario; thereafter, from New York dealer. ⁸ Producer prices. ⁹ Average value of shipments. ¹⁰ Delivered price.

Source: Except as noted, U.S. Bureau of Mines, *Minerals Yearbook*.

No. 768. COMMODITY RESEARCH BUREAU FUTURES PRICE INDEX: 1975 TO 1987

[1987-199, index computed daily. Represents unweighted geometric average of commodity futures prices (through 9 months forward) of 21 major commodity futures markets. Represents end of year index]

ITEM	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
All commodities	191.0	204.7	200.3	227.6	261.5	308.5	254.9	234.0	277.6	244.2	229.2	208.1	232.8
Imported	259.4	348.1	334.8	345.0	425.3	426.0	357.0	269.0	326.0	291.7	396.2	321.2	356.1
Industrial	154.8	173.6	175.0	222.1	354.6	324.6	249.2	249.9	249.0	217.0	211.7	210.4	252.5
Grains	195.6	192.5	179.0	187.8	251.9	312.1	251.3	215.1	249.8	224.9	196.5	164.6	166.1
Oilseeds	181.6	229.7	206.6	240.6	258.1	314.6	271.0	236.9	316.6	273.5	245.4	189.8	223.6
Livestock and meats	160.6	162.5	166.9	198.4	195.0	217.4	195.3	219.9	229.7	240.8	208.9	200.2	188.9
Metals (precious) ¹	141.0	149.5	163.8	230.4	666.0	531.4	318.7	306.0	338.5	243.3	256.8	296.6	348.4

¹ Prior to 1978, index for metals only.

Source: Commodity Research Bureau (CRB), New York City, NY. CRB Commodity Index Report, weekly. (Copyright.)

No. 769. FOOD PRICES—FARM VALUE AND RETAIL PRICE FOR SELECTED ITEMS: 1980 TO 1987

[In dollars per retail unit indicated. The farm value is the payment to farmers for the quantity of farm products equivalent to the unit sold at retail minus imputed value of byproducts. Because of losses from processing, waste, and spoilage, the farm value represents larger quantities than the retail unit]

FOOD ITEM	Unit	FARM VALUE					RETAIL PRICE				
		1980	1984	1985	1986	1987	1980	1984	1985	1986	1987
Beef, choice	Lb	1.45	1.40	1.27	1.24	1.39	2.36	2.40	2.30	2.21	2.42
Pork	Lb	.83	.77	.71	.62	.63	1.40	1.62	1.62	1.76	1.86
Broilers	Lb	.36	.44	.40	.46	.41	.73	.81	.76	.84	.79
Eggs, grade A	Doz	.51	.66	.52	.54	.48	.84	1.01	.80	.87	.78
Milk, sold in stores	1/2 gal	.30	.39	.36	.35	.36	1.05	1.13	1.13	1.11	1.14
Bread, white ¹	Lb	.06	.05	.05	.04	.04	.51	.54	.55	.56	.55
Potatoes, Northeast white round	10 lb	.62	.66	.37	.30	.32	1.60	1.91	1.60	1.96	2.40
Oranges, California	Lb	.66	.17	.12	.08	.10	.36	.30	.53	.46	.55
Lettuce, California ²	Lb	.66	.64	.07	.06	.10	.46	.50	.59	.54	.60
Orange juice, frozen	12 oz	.36	.48	.62	.39	.43	.88	1.22	1.32	1.07	1.11
Tomatoes, California ³	Lb	.04	.05	.05	.05	.05	.42	.53	.52	.51	.51

¹ Farm value includes value for wheat, feed, soybean oil, high fructose corn syrup, and any other blend. ² Farm value represents value in the field. Harvesting and packing, a contract operation, appears as processing or packing cost. ³ Whole canned tomatoes.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Food Cost Review*, 1987

NO. 770. FOOD—RETAIL CONSUMER PRICE INDEXES, SELECTED AREAS: 1970 TO 1987

[1982-84 = 100. See headnote table 701 and text, section 15 regarding MSA's]

AREA	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Total Food	95.2	95.8	95.8	93.8	97.4	96.4	103.2	105.6	106.8	113.5
Anchorage, AK MSA	(NA)	62.6	90.5	94.6	97.3	99.7	103.1	106.2	110.8	113.3
Atlanta, GA MSA	39.2	60.5	85.6	93.1	97.0	99.7	103.2	105.1	111.3	112.2
Baltimore, MD MSA	40.6	61.7	88.2	94.3	96.5	99.4	104.0	107.2	112.2	117.1
Boston-Lawrence-Salem, MA-NH CMSA	41.9	63.9	89.4	94.7	96.7	99.0	104.3	108.5	113.5	119.2
Buffalo-Niagara Falls, NY CMSA	41.0	61.2	86.8	94.4	97.5	99.8	102.8	106.0	108.6	112.4
Chicago-Gary-Lake County, IL-IN-WI CMSA	40.8	61.8	81.2	96.5	96.7	99.3	101.9	108.1	108.8	112.1
Cincinnati-Hamilton, OH-KY-IN CMSA	37.1	57.3	85.8	92.7	96.8	99.1	104.1	104.9	107.6	111.0
Cleveland-Akron-Lorain, OH CMSA	39.5	58.2	86.5	93.0	96.2	99.7	104.0	106.2	107.6	111.3
Dallas-Fort Worth, TX CMSA	39.1	57.3	85.6	92.4	96.0	99.6	104.3	107.0	111.0	116.1
Denver-Boulder, CO CMSA	(NA)	62.1	86.2	93.5	96.2	99.4	104.4	108.2	108.9	107.6
Detroit-Ann Arbor, MI CMSA	41.7	62.2	88.9	95.7	99.4	99.2	101.4	103.1	107.1	110.3
Honolulu, HI MSA	37.0	57.3	84.3	92.7	96.9	99.5	103.7	107.7	109.9	114.3
Houston-Galveston-Braysoria, TX CMSA	36.8	56.2	83.9	91.9	96.4	99.2	104.4	106.1	107.4	112.1
Kansas City, MO-KS CMSA	40.1	61.5	89.8	95.2	97.6	99.1	103.3	105.9	109.3	112.6
Los Angeles-Anaheim-Riverside, CA CMSA	36.6	58.4	85.4	92.3	96.9	100.1	103.1	105.5	108.5	112.9
Miami-Fort Lauderdale, FL CMSA	(NA)	(NA)	84.6	91.3	96.8	99.5	103.8	104.5	107.1	113.6
Milwaukee, WI MSA	39.2	59.6	87.0	94.9	98.3	99.6	102.1	105.9	107.6	112.2
Minneapolis-St. Paul, MN-WI MSA	39.6	59.3	87.7	92.9	96.6	99.4	103.9	106.4	109.1	113.8
New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA	39.5	60.2	85.1	92.6	97.4	98.8	103.7	107.3	112.2	118.6
Philadelphia-Wilmington-Trenton, PA-NJ-DE-MD CMSA	36.6	58.7	86.1	92.6	97.7	99.9	102.4	105.0	107.7	112.0
Pittsburgh-Beaver Valley, PA CMSA	39.7	60.9	87.3	94.1	98.1	101.1	100.8	101.9	104.7	109.3
Portland-Vancouver, OR-WA CMSA	37.9	57.5	85.5	92.2	97.1	99.6	103.3	105.8	108.2	111.4
San Diego, CA MSA	36.8	56.6	83.8	90.0	94.7	100.4	105.0	107.1	111.1	115.8
San Francisco-Oakland-San Jose, CA CMSA	38.1	58.0	84.8	91.0	96.9	99.1	103.9	108.0	109.5	114.0
Seattle-Tacoma, WA CMSA	39.4	58.9	84.5	91.6	96.6	100.0	101.5	103.2	106.7	112.2
St. Louis-East St. Louis, MO-IL CMSA	39.9	60.2	87.1	93.6	97.1	99.7	103.2	105.7	108.8	114.1
Washington, DC-MD-VA MSA	39.1	60.3	88.1	92.7	97.2	99.8	103.0	106.1	109.9	113.6

NA Not available.

Source: U.S. Bureau of Labor Statistics, CPI Detailed Report, January issues.

NO. 771. WEEKLY FOOD COST FOR FAMILIES, BY TYPE OF FAMILY: 1975 TO 1988

[In dollars. As of December, except as indicated. Based on moderate-cost food plan; assumes all meals are eaten at home or taken from home]

URBAN FAMILY TYPE	1975	1980	1981	1982	1982	1984	1985	1986	1987	1988	
										Jan.	May
Couple, 20-64 years old ¹	37.10	52.00	63.40	54.80	54.70	66.50	56.30	60.40	63.60	63.90	64.20
Couple, 65 years and over ¹	32.40	45.90	47.10	48.10	52.00	53.90	56.70	57.80	60.70	61.40	61.70
Couple with children:											
1 child, 1-5 years old	44.80	62.90	64.70	66.00	68.90	69.20	71.30	73.80	77.50	78.10	78.80
1 child, 15-19 years old	53.50	74.80	76.80	78.50	77.80	80.50	83.00	85.80	90.10	90.90	91.40
2 children, 1-5 years old	51.80	72.60	74.70	76.20	77.80	80.50	82.90	85.80	90.00	90.70	91.40
2 children, 6-11 years old	63.00	88.10	90.70	92.80	93.50	97.10	99.80	103.30	106.30	108.20	110.00
2 children, 12-18 years old	67.20	93.80	96.50	98.80	98.00	101.80	104.80	108.20	113.50	114.50	115.20

¹ Beginning 1983, costs based on revised food plans with age groups 20-60 years old and 61 years old and over.Source: U.S. Dept. of Agriculture, Human Nutrition Information Service, *Alma*, monthly.

NO. 772. SELECTED AGRICULTURAL COMMODITY PRICES RECEIVED BY FARMERS: 1982 TO 1987

[Minus sign (-) indicates decrease]

COMMODITY	Unit	PRICE						PERCENT CHANGE				
		1982	1983	1984	1985	1986	1987	1982-1983	1983-1984	1984-1985	1985-1986	1986-1987
Beef	Dol. per 100 lb.	56.70	55.50	57.30	53.70	52.80	61.10	-2.1	3.2	-8.3	2.0	16.2
Broilers	Cents per lb.	28.9	28.6	33.7	30.1	34.5	28.7	6.3	17.8	-10.7	14.6	-16.6
Calves	Dol. per 100 lb.	59.60	61.70	58.80	62.10	61.10	78.50	3.2	2.9	3.7	-1.8	28.5
Eggs	Cents per doz.	59.5	61.1	72.3	57.1	61.6	54.9	2.7	16.3	21.0	7.9	-10.8
Hogs and pigs	Dol. per 100 lb.	62.30	48.80	47.10	44.00	49.90	51.20	-10.5	.6	-6.6	12.0	3.9
Rice, rough	Dol. per 100 lb.	7.91	8.57	8.04	8.53	3.75	7.50	8.3	-6.2	-18.6	-43.4	100.0
Sheep and lambs	Dol. per 100 lb.	43.80	44.10	49.40	57.90	59.80	68.20	1.1	12.0	17.2	3.3	14.0
Turkeys	Cents per lb.	39.5	38.0	48.9	49.1	47.1	34.8	3.8	28.7	.4	-4.1	-26.1
Wheat ¹	Dol. per bu.	3.45	3.51	3.39	3.08	2.42	2.56	1.7	3.4	-8.1	-21.4	■
Whole milk ²	Cents per qt.	48.0	48.4	■	48.7	48.4	45.8	.8	1.7	-1.0	-.8	.4

¹ Marketing year average price. ² Sold to consumers.Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Field Crops* (Statistical Bulletin 706); *Agricultural Statistics*, annual; and *Agricultural Outlook*, monthly. Also, *Meat Animals—Production, Disposition, and Income*, annual; and annual *Swine* summaries. *Milk Production, Disposition, and Income*, annual; and *Poultry—Production, Disposition, and Income*, and *Turkeys*.

NO. 773. MEDIAN PURCHASE PRICE OF EXISTING ONE-FAMILY HOUSES: 1980 TO 1987

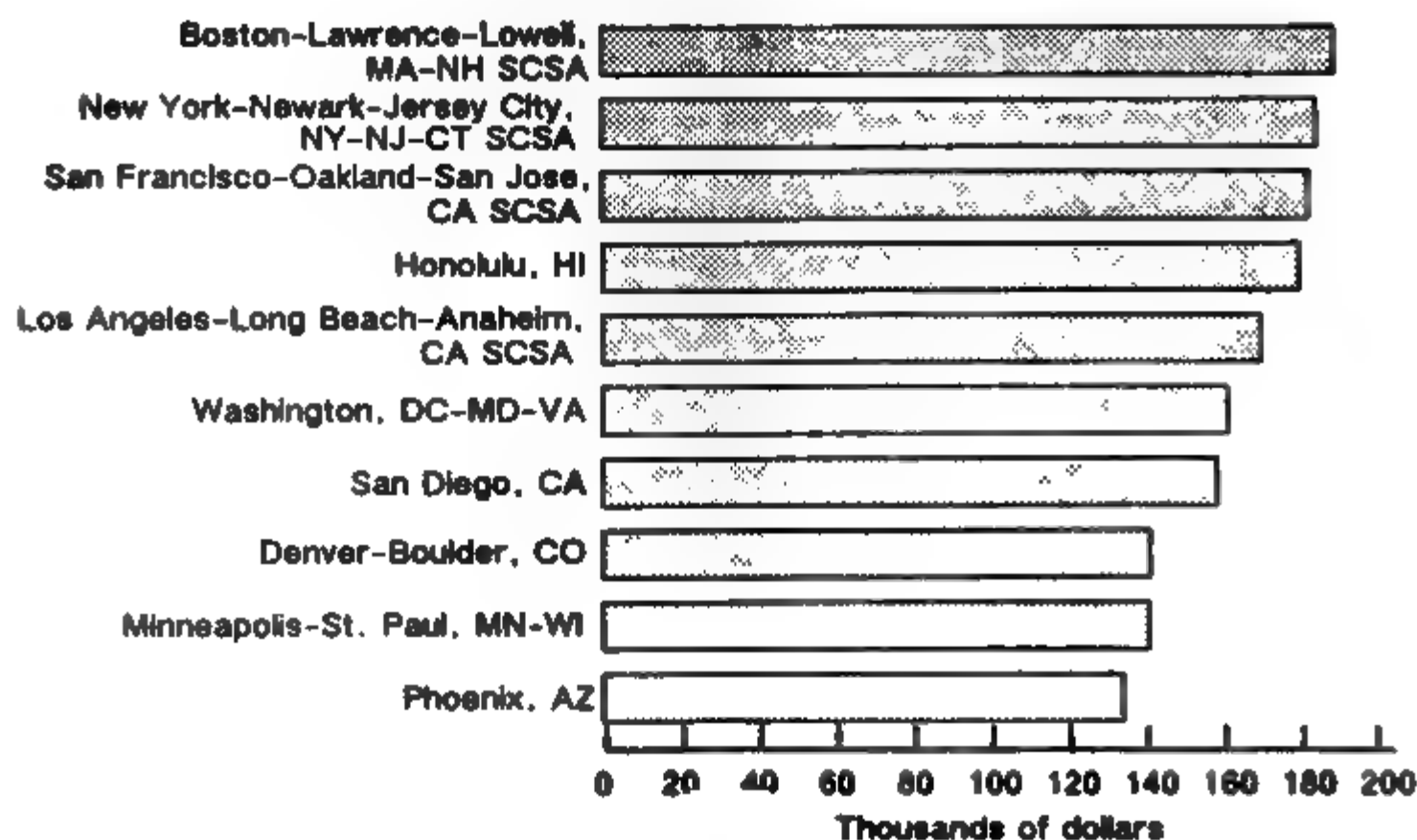
[In thousands of dollars, except percent. Represents SACS unless specified; see Appendix II. Minus sign (-) indicates decrease]

METROPOLITAN AREA	PRICE							AVERAGE ANNUAL PERCENT CHANGE		
	1980	1982	1983	1984	1985	1986	1987	1980-1986	1985-1986	1986-1987
Atlanta, GA	81.8	95.0	97.5	98.3	108.7	119.6	131.1	5.5	12.3	9.4
Baltimore, MD	69.5	76.6	79.8	84.6	101.4	123.7	125.4	7.9	22.0	1.4
Boston-Lawrence-Lowell, MA-NH SCSA	70.5	77.5	81.0	102.6	127.9	159.4	186.2	12.6	20.5	21.4
Chicago-Gary, IL-IN SCSA	78.0	87.6	92.8	90.7	98.7	113.3	116.6	4.8	14.8	3.2
Cleveland-Akron-Lorain, OH SCSA	63.6	75.1	73.3	73.2	73.6	84.4	89.4	3.0	14.4	5.9
Columbus, OH	65.7	78.8	77.7	72.7	78.4	85.1	92.6	3.9	7.2	8.8
Dallas, TX	89.4	97.2	104.5	109.2	124.1	130.5	126.6	8.8	5.2	-1.5
Denver-Boulder, CO	80.0	85.4	119.3	115.3	131.6	152.7	136.8	10.5	18.0	8.4
Detroit-Ann Arbor, MI SCSA	67.9	85.0	73.8	75.3	78.4	82.0	83.8	2.9	4.6	14.1
Greensboro-Winston Salem-High Point, NC	63.6	70.1	74.8	70.6	82.4	86.7	110.0	6.3	7.6	24.0
Honolulu, HI	119.3	129.1	135.0	136.7	150.6	161.6	177.8	4.8	7.3	9.8
Houston-Galveston, TX SCSA	65.7	90.2	101.6	94.8	101.1	114.2	106.8	3.4	13.0	-6.5
Indianapolis, IN	60.3	70.0	71.2	67.2	71.4	81.7	84.7	3.4	14.4	15.8
Kansas City MO-KS	64.2	80.1	78.0	80.3	90.5	97.8	105.8	7.1	7.8	8.4
Los Angeles-Long Beach-Anaheim, CA SCSA	110.7	122.3	133.4	132.0	142.9	156.1	167.7	5.2	9.2	7.4
Louisville, KY-IN	58.5	59.1	61.9	61.1	70.0	73.1	85.8	3.7	4.4	17.1
Miami-Fort Lauderdale, FL SCSA	75.3	89.0	80.6	84.7	89.3	98.3	103.9	3.5	11.2	4.6
Milwaukee-Racine, WI SCSA	64.9	85.7	80.8	82.2	83.7	88.8	95.7	-3	5.9	8.0
Minneapolis-St. Paul, MN-WI	60.9	65.6	85.3	103.4	115.4	132.6	136.4	7.4	15.2	4.9
New York-Newark-Jersey City, NY-NJ-CT SCSA	99.8	102.7	114.6	126.6	139.4	156.0	181.6	8.3	13.3	15.1
Philadelphia-Wilmington-Trenton, PA-DE-NJ-MD SCSA	62.6	65.0	71.7	75.8	81.4	87.7	113.7	6.4	20.0	16.4
Phoenix, AZ	62.7	81.3	97.2	101.4	116.6	130.3	132.9	4.7	11.7	2.0
Pittsburgh, PA	64.6	66.8	68.0	67.7	72.5	81.8	82.8	2.3	13.0	1.1
Portland, OR-WA	75.5	95.5	81.8	88.9	92.6	110.8	108.6	4.2	19.7	-2.1
Rochester, NY	67.5	87.8	72.1	73.6	84.2	91.3	79.6	7.9	6.4	-12.8
St. Louis, MO-IL	56.5	63.9	71.0	73.2	75.7	81.4	92.1	6.0	7.5	11.7
Salt Lake City-Ogden, UT	73.2	86.5	78.0	82.2	82.9	120.9	121.0	4.9	30.1	1
San Diego, CA	105.7	118.0	124.8	122.9	141.7	148.0	156.7	6.0	5.1	5.2
San Francisco-Oakland-San Jose, CA SCSA	122.9	137.6	144.2	143.4	154.9	167.5	175.9	4.7	8.1	7.4
Seattle-Tacoma, WA SCSA	82.2	94.8	98.1	97.8	102.7	123.5	127.7	4.6	20.3	3.4
Tampa-St. Petersburg, FL	64.0	83.8	78.4	78.1	79.1	88.1	100.3	4.3	11.4	13.8
Washington, DC-MD-VA	100.1	126.4	130.0	131.7	152.6	166.8	158.5	8.8	2.6	1.9

Source: Federal Home Loan Bank Board, *Savings and Home Financing Source Book*, annual.

Figure 15.3

Median Purchase Price of Existing One-Family Houses in Ten Most Expensive Metropolitan Areas: 1987



Source: Chart prepared by U.S. Bureau of

see tables 773.

No. 774. CONSUMER PRICE INDEXES (CPI) OF HOMEOWNERS EQUIVALENT RENT IN SELECTED AREAS: 1983 TO 1987

[1983-84 = 100. Annual averages of monthly figures, except as indicated. Minus sign (-) indicates decrease. See Appendix H]

AREA	1983	1984	1985	1986	1987	PERCENT CHANGE			
						1983-84	1984-85	1985-86	1986-87
Anchorage, AK MSA	103.6	106.4	107.3	105.2	98.3	4.6	1.0	2.0	-6.5
Atlanta, GA MSA	101.7	106.0	114.1	121.5	126.4	4.2	7.6	6.5	4.0
Baltimore, MD MSA	102.7	106.8	115.3	122.6	127.6	5.9	6.0	6.5	3.9
Boston-Lawrence-Salem, MA-NH CMSA	105.7	111.4	119.6	127.7	137.4	5.4	7.4	6.8	7.6
Buffalo-Niagara Falls, NY CMSA	104.2	110.5	120.5	125.6	131.7	6.0	6.0	4.2	4.9
Chicago-Gary-Lake County, IL-IN-WI CMSA	102.0	107.6	114.5	119.9	125.3	6.7	6.2	4.7	4.5
Cincinnati-Hamilton, OH-KY-IN CMSA	101.9	106.9	110.0	113.7	119.2	3.9	3.9	3.4	4.6
Cleveland-Akron-Lorain, OH CMSA	102.3	105.4	111.0	116.1	120.3	3.0	5.3	4.6	3.6
Dallas-Fort Worth, TX CMSA	104.6	106.8	113.8	119.7	119.1	4.0	4.6	4.3	.3
Denver-Boulder, CO CMSA	102.6	107.0	110.5	111.6	113.2	4.3	3.3	1.2	1.3
Detroit-Ann Arbor, MI CMSA	100.7	103.4	106.2	115.2	121.2	2.7	4.6	6.5	5.2
Honolulu, HI MSA	100.6	105.6	110.4	115.6	125.0	5.2	4.3	4.9	7.9
Houston-Galveston-Beaumont, TX CMSA	98.4	95.1	93.9	93.6	91.6	3.4	1.3	1	2.1
Kansas City, MO-KS CMSA	102.7	107.7	112.1	115.6	118.6	4.9	4.1	3.1	2.6
Los Angeles-Anaheim-Riverside, CA CMSA	103.1	110.1	117.1	125.6	133.5	6.8	6.4	7.2	6.4
Miami-Fort Lauderdale, FL CMSA	102.6	103.7	106.4	109.0	111.3	1.1	2.6	2.4	2.1
Milwaukee, WI CMSA	103.6	109.0	115.4	120.1	129.1	5.2	5.9	4.1	7.5
Minneapolis-St. Paul, MN-WI MSA	102.4	105.6	112.0	111.3	122.2	3.1	6.1	4.7	4.2
New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA	102.7	106.8	115.0	124.4	139.4	6.0	5.6	8.2	7.2
Philadelphia-Wilmington-Trenton, PA-NJ-DE-MD CMSA	101.7	107.7	117.6	125.3	133.7	5.9	9.4	6.4	6.7
Pittsburgh-Beaver Valley, PA CMSA	102.6	106.0	109.1	114.2	117.9	3.3	2.9	4.7	3.2
Portland-Vancouver, OR-WA CMSA	101.2	103.1	107.5	112.0	116.0	1.9	4.3	4.2	3.8
San Diego, CA MSA	105.3	114.9	129.6	139.7	144.3	9.1	12.8	7.6	3.3
San Francisco-Oakland-San Jose, CA CMSA	107.0	114.9	123.5	134.9	140.5	7.4	7.5	6.2	4.2
Seattle-Tacoma, WA CMSA	101.1	104.5	108.2	112.6	115.3	3.4	3.6	4.1	2.4
St. Louis-East St. Louis, MO-IL CMSA	102.6	106.8	116.6	120.6	125.2	5.7	7.4	3.4	3.6
Washington, DC-MD-VA MSA	101.6	107.1	113.5	119.9	124.9	5.2	6.0	5.6	4.2

No. 775. CONSUMER PRICE INDEX—PERCENT CHANGE IN FUELS AND UTILITIES: 1970 TO 1987

[1983-84 = 100. Represents all urban consumers. Minus sign (-) indicates decrease. See text for section 15]

ITEM	1970-75	1975-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
Household fuels and other utilities	9.3	9.3	16.4	14.6	9.8	5.8	4.6	1.6	-2.3	-1.1
Household fuels	11.3	11.7	22.0	16.6	9.8	5.1	3.5	.6	-5.1	-1.9
Fuel oil and other household fuel commodities	16.6	14.4	38.0	21.6	-1.1	-6.0	2.9	-3.6	-19.1	.4
Fuel oil	18.2	16.0	39.0	22.3	-2.1	-6.1	2.1	-4.0	-21.7	2.3
Gas (piped) and electricity	9.6	11.1	17.0	14.7	13.8	6.9	3.9	1.8	1.3	-1.8
Electricity	9.5	7.0	15.5	16.0	9.9	3.2	6.5	3.4	1.4	-4
Utility (piped) gas	9.7	15.4	19.2	14.0	19.9	16.6	.8	-7	-4.9	-4.6
Telephone services	4.1	1.4	2.5	8.9	10.2	8.4	8.4	3.9	4.9	-6

No. 776. AVERAGE PRICE OF ENERGY IN SELECTED AREAS: 1986

[In dollars per unit shown. One therm contains approximately 100 cubic feet of natural gas. As of January. See Appendix H]

CITY/MSA	Utility (piped) gas (100 therms)	Electricity (500 kWh)	Fuel oil No. 2 (gallon)	GASOLINE			
				All types *	Leaded regular	Unleaded regular	Unleaded premium
U.S. city average	64.51	48.39	.986	.947	.981	.933	1.095
Baltimore, MD MSA	51.34	37.15	.924	1.007	.955	.908	1.138
Boston-Lawrence-Salem, MA-NH CMSA	63.29	45.03	.914	1.010	.929	.979	1.134
Chicago-Gary-Lake County, IL-IN-WI CMSA	41.24	42.70	.910	1.011	.947	.909	1.161
Cleveland-Akron-Lorain, OH CMSA	46.94	46.29	.981	.990	.973	.926	1.140
Dallas-Fort Worth, TX CMSA	49.41	39.43	(NA)	.913	.976	.967	1.034
Detroit-Ann Arbor, MI CMSA	52.81	42.18	.970	.944	.979	.952	1.073
Houston-Galveston-Beaumont, TX CMSA	41.86	36.07	(NA)	.992	.932	.909	1.048
Los Angeles-Anaheim-Riverside, CA CMSA	57.41	44.63	(NA)	.985	.969	.969	1.071
Miami-Fort Lauderdale, FL CMSA	63.28	47.46	(NA)	1.035	(NA)	.977	1.098
New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA	64.16	58.18	.944	1.031	.929	.971	1.151
Philadelphia-Wilmington-Trenton, PA-NJ-DE-MD CMSA	65.28	51.43	.905	.942	.968	.907	1.081
Pittsburgh-Beaver Valley, PA CMSA	54.17	42.69	.767	.912	.964	.969	1.089
St. Louis-East St. Louis, MO-IL CMSA	50.85	36.67	.924	.933	.980	.914	1.116
San Francisco-Oakland-San Jose, CA CMSA	44.16	43.65	(NA)	.975	.915	.978	1.114
Washington, DC-MD-VA MSA	62.80	38.40	.986	1.064	.998	1.031	1.287

NA Not available. * Includes types of gasoline not shown separately.

Sources of tables 774-776: U.S. Bureau of Labor Statistics, CPI Detailed Report, January issues.

NO. 777. AVERAGE MONTHLY RESIDENTIAL, COMMERCIAL, AND INDUSTRIAL BILLS FOR ELECTRICITY: 1960 TO 1987

[In dollars. As of January 1. Represents composite averages, derived using census data; for 1960 data, the 1970 census was used; thereafter, 1980 Census was used. Residential, for cities of 2,500 or more population; commercial and industrial, for 455 large cities in United States and Puerto Rico. kW=Kilowatt; kWh=Kilowatt-hours. See source for coverage detail]

ITEM	1960	1965	1966	1967, prel.	ITEM	1960	1965	1966	1967, prel.
RESIDENTIAL					COMMERCIAL—Con.				
Average bill, dollars:					Average bill, cents per kWh:				
500 kWh.....	27.80	41.88	42.54	40.88	8 kW, 750 kWh.....	7.5	10.7	10.5	10.1
750 kWh.....	38.84	57.88	58.79	58.78	12 kW, 1,500 kWh.....	7.6	10.9	10.8	10.4
1,000 kWh.....	48.79	78.37	77.50	74.57	30 kW, 8,000 kWh.....	8.4	9.8	9.4	8.8
Average bill, cents per kWh:					40 kW, 10,000 kWh.....	8.9	8.9	8.7	8.2
500 kWh.....	6.8	8.4	8.5	8.2	INDUSTRIAL				
750 kWh.....	4.9	7.7	7.8	7.6	Average bill, dollars:				
1,000 kWh.....	4.9	7.6	7.8	7.6	150 kW, 30,000 kWh.....	1,757	2,732	2,858	2,572
COMMERCIAL					300 kW, 60,000 kWh.....	3,431	5,363	5,208	5,048
Average bill, dollars:					1,000 kW, 200,000 kWh.....	10,910	17,012	16,852	16,228
6 kW, 750 kWh.....	57	80	78	76	Average bill, cents per kWh:				
12 kW, 1,500 kWh.....	114	183	183	156	150 kW, 30,000 kWh.....	5.9	9.1	8.9	8.6
30 kW, 8,000 kWh.....	385	576	581	530	300 kW, 60,000 kWh.....	6.7	8.8	8.7	8.4
40 kW, 10,000 kWh.....	580	883	888	820	1,000 kW, 200,000 kWh.....	5.5	8.5	8.3	8.1

NO. 778. NET MONTHLY RESIDENTIAL ELECTRIC BILLS (LOWEST AND HIGHEST) FOR 500 KILOWATT-HOURS USE, 1970 TO 1987, AND BY STATE, 1987

[In dollars. Based on rates as of January 1 for communities of 2,500 inhabitants or more. Consumption for lighting, appliances, refrigeration and cooking. Does not include domestic water heating usage which in 1983 represented 19 percent of total U.S. households. For composition of regions, see fig. 1, inside front cover]

YEAR, REGION, DIVISION, AND STATE	Lowest bill	Highest bill	DIVISION AND STATE	Lowest bill	Highest bill	DIVISION AND STATE	Lowest bill	Highest bill
1970.....	5.00	25.00	E. So. Cent.:			E. So. Cent.:		
1975.....	5.10	41.14	OH.....	23.88	52.08	KY.....	24.33	40.42
1980.....	5.84	84.47	IN.....	27.31	54.85	TN.....	25.50	32.10
1985.....	8.49	77.86	IL.....	25.28	48.71	AL.....	25.57	38.92
1988.....	8.90	79.37	MI.....	20.50	50.55	MS.....	25.67	46.77
			WI.....	21.35	35.95	W. So. Cent.:		
1987, U.S.....	8.80	84.88	W. No. Cent.:			AR.....	22.33	50.58
Region:			MN.....	14.95	50.23	LA.....	17.86	58.45
Northeast.....	10.53	59.74	IA.....	22.00	52.11	OK.....	28.00	54.65
Midwest.....	15.75	84.80	MO.....	18.23	48.30	TX.....	18.41	48.90
South.....	16.00	58.45	ND.....	20.82	42.07	Mid.:		
West.....	8.90	60.32	SD.....	18.78	51.85	MT.....	20.50	40.92
N. Eng.:			NE.....	23.30	41.22	ID.....	19.80	29.36
ME.....	28.25	44.74	KS.....	25.45	31.11	WY.....	21.50	46.53
NH.....	27.45	52.51	So. Atl.:			CO.....	17.00	44.25
VT.....	27.45	59.74	DE.....	36.80	51.96	NM.....	29.85	55.85
MA.....	31.34	53.82	MD.....	31.21	44.84	AZ.....	29.85	54.85
RI.....	42.82	46.25	DC.....	29.24	28.24	UT.....	23.72	47.82
CT.....	35.15	53.55	VA.....	28.63	40.25	NV.....	20.00	48.60
Mid. Atl.:			WY.....	27.58	45.07	Pac.:		
NY.....	10.53	55.84	NC.....	31.54	51.96	WA.....	8.90	29.40
NJ.....	41.80	55.82	SC.....	29.67	44.03	OR.....	14.40	27.40
PA.....	16.00	58.55	GA.....	16.00	46.23	CA.....	23.70	58.97
			FL.....	23.54	58.41	AK.....	38.00	56.65
						HI.....	40.00	60.32

Source of tables 777 and 778: Through 1975, U.S. Federal Power Commission, *Typical Electric Bills*, annual; thereafter, U.S. Energy Information Administration, *Typical Electric Bills*, annual.

NO. 779. AVERAGE PRICES OF SELECTED FUELS AND ELECTRICITY: 1973 TO 1987

[In dollars per unit, except electricity, in cents per kWh. Represents price to end-users, except as noted]

ITEM	Unit ¹	1973	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
Crude oil composite ²	Barrel.....	4.15	10.38	17.72	28.07	35.24	31.87	28.89	28.53	28.75	14.55	17.91
Motor gasoline ³												
Leaded regular.....	Gallon.....	.30	.57	.88	1.19	1.31	1.22	1.16	1.13	1.12	.88	.90
Unleaded regular.....	Gallon.....	(NA)	(NA)	.90	1.25	1.38	1.30	1.24	1.21	1.20	.93	.95
Unleaded premium.....	Gallon.....	(NA)	(NA)	(NA)	(NA)	1.47	1.42	1.38	1.37	1.34	1.09	1.09
No. 2 heating oil.....	Gallon.....	(NA)	(NA)	.52	.79	.91	.91	.82	.82	.85	.58	.58
No. 2 diesel fuel.....	Gallon.....	(NA)	(NA)	.88	.82	1.00	.94	.83	.82	.79	.48	.55
Residual fuel oil.....	Gallon.....	(NA)	(NA)	.44	.51	.76	.68	.66	.69	.61	.34	.42
Natural gas, residential.....	1,000 cu. ft.....	1.29	1.71	2.98	3.88	4.29	5.17	8.08	8.12	8.12	5.83	6.56
Electricity residential.....	kWh.....	2.54	3.51	4.84	5.36	6.20	6.86	7.18	7.54	7.78	7.41	7.41

NA Not available. ¹ See headnote. ² Refiner acquisition cost. ³ Average, all service.

Source: U.S. Energy Information Administration, *Monthly Energy Review*.

NO. 780. SALES PRICE OF MOTOR GASOLINE, BY GRADE AND STATE: 1966 TO 1968

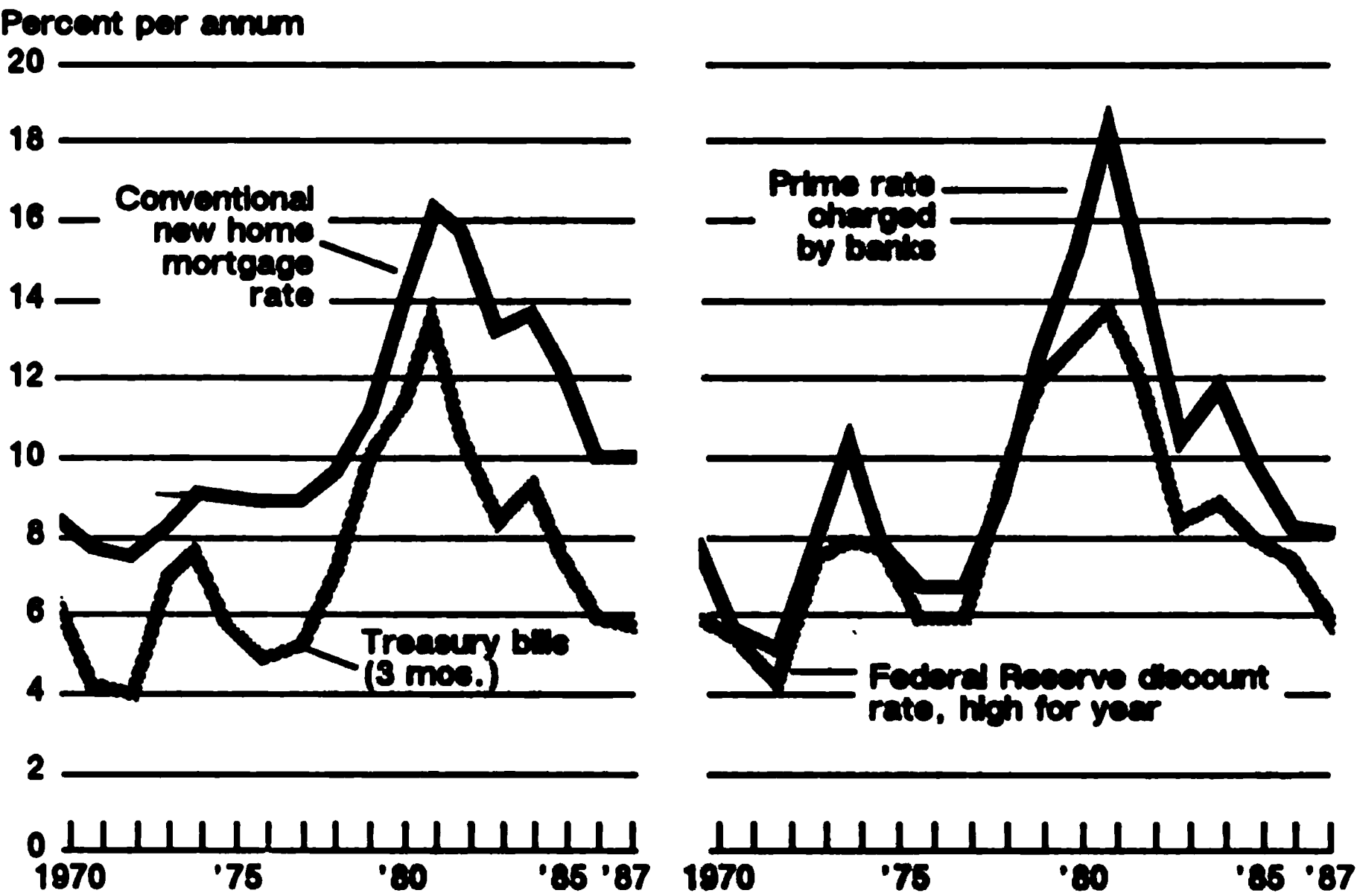
(In cents per gallon. As of March. Represents all refinery and gas plant operators' sales through company-operated retail outlets. Gasoline prices exclude excise taxes.)

STATE	Gasoline excise taxes 1967 ¹	AVERAGE, ALL GRADES			LEADED REGULAR			UNLEADED REGULAR			PREMIUM		
		1966	1967	1968	1966	1967	1968	1966	1967	1968	1966	1967	1968
United States	14.5	66.6	64.0	63.6	61.3	60.4	59.6	66.6	62.6	61.6	77.9	74.6	74.6
Alabama	11.0	66.7	66.2	62.6	62.9	60.6	58.6	70.3	66.3	61.6	(NA)	75.3	70.6
Alaska	6.0	116.6	66.3	(NA)	116.7	66.0	(NA)	116.5	62.3	(NA)	(D)	91.3	86.0
Arizona	16.0	75.6	72.4	63.2	66.6	66.3	59.9	77.5	72.2	61.5	83.3	84.0	78.6
Arkansas	13.5	62.4	60.2	62.2	59.5	56.9	57.9	63.6	60.6	60.9	71.2	67.9	72.0
California	9.0	70.6	66.6	63.6	63.2	63.5	58.0	71.2	67.5	62.0	86.6	81.5	75.7
Colorado	18.0	56.6	62.2	60.2	54.6	67.5	57.6	60.6	63.6	56.6	66.5	72.4	69.4
Connecticut	19.0	62.5	66.6	72.0	70.5	61.5	64.6	62.1	65.9	66.6	81.7	77.0	80.0
Delaware	16.0	67.3	64.2	62.3	62.5	66.6	59.5	65.0	61.7	58.6	80.2	73.0	72.0
District of Columbia	15.5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Florida	4.0	71.6	62.5	66.6	63.5	56.6	61.4	71.7	61.0	62.4	84.0	74.6	74.6
Georgia	7.6	67.6	64.4	61.6	59.6	56.4	55.0	67.5	62.4	58.3	79.9	77.0	74.0
Hawaii	11.0	64.6	63.6	67.4	66.2	74.4	79.5	97.3	86.0	84.6	107.2	(D)	99.3
Idaho	14.5	70.0	62.6	64.7	66.6	60.6	63.6	70.7	62.6	64.0	84.9	80.7	77.3
Illinois	13.0	63.9	66.1	64.1	56.6	67.4	61.0	63.5	62.7	61.0	66.6	75.2	75.5
Indiana	14.0	57.6	61.5	61.2	54.6	56.9	60.6	57.2	61.0	59.1	62.6	66.7	66.5
Iowa	16.0	61.5	63.6	62.3	60.1	61.9	61.2	61.9	64.9	61.9	66.1	67.3	66.6
Kansas	11.0	62.2	62.7	63.1	61.4	60.6	61.9	61.4	62.7	62.6	65.9	66.1	70.4
Kentucky	15.0	63.0	63.4	62.9	56.6	56.9	59.5	64.3	62.2	60.7	72.4	73.2	71.6
Louisiana	16.0	66.4	61.3	60.6	62.1	56.3	54.6	66.6	59.3	57.4	80.5	70.3	70.9
Maine	14.0	79.1	71.4	71.6	75.0	66.5	68.2	76.5	66.6	69.7	66.7	81.4	81.3
Maryland	16.5	72.3	66.3	66.7	67.6	60.7	63.7	71.0	63.2	63.4	82.7	73.6	74.0
Massachusetts	11.0	79.1	(NA)	74.5	71.7	59.6	64.9	77.1	(NA)	70.4	80.1	76.6	83.6
Michigan	15.0	62.0	60.9	60.2	57.6	57.6	59.6	62.3	59.9	58.2	71.7	70.6	68.5
Minnesota	17.0	67.3	62.9	65.0	64.0	60.5	63.6	66.6	63.3	64.7	72.4	66.6	70.4
Mississippi	15.0	66.0	67.6	65.3	62.9	63.0	59.1	66.6	67.9	64.3	79.0	75.5	73.6
Missouri	11.0	66.7	62.6	61.6	57.1	59.7	56.2	60.4	62.3	60.1	71.2	71.9	72.1
Montana	20.0	63.1	61.9	64.6	63.2	61.5	64.4	62.7	61.9	64.9	64.4	64.6	66.1
Nebraska	17.6	62.5	67.7	62.1	60.6	67.4	61.3	63.4	66.9	62.1	65.4	66.7	66.6
Nevada	14.3	73.4	61.4	59.4	66.6	57.6	55.9	75.7	62.1	56.7	87.1	71.4	66.9
New Hampshire	14.0	60.0	70.1	72.1	73.6	64.3	66.5	79.0	67.6	66.6	69.6	79.6	83.6
New Jersey	6.0	77.6	65.7	71.7	70.1	56.6	63.6	74.4	61.6	66.1	66.0	76.1	62.9
New Mexico	14.0	74.4	64.6	66.6	72.9	61.0	64.6	74.7	65.3	66.4	67.3	74.4	75.6
New York	8.0	73.3	65.9	66.6	66.6	61.9	65.1	72.1	63.5	65.2	65.7	76.0	79.2
North Carolina	15.5	64.6	64.5	64.2	57.1	56.0	57.1	64.3	63.0	61.5	77.6	74.7	75.0
North Dakota	17.0	70.9	66.6	66.6	73.7	66.0	66.6	70.7	67.1	66.6	64.6	70.0	70.0
Ohio	14.7	62.3	65.7	62.6	56.3	60.7	58.5	61.5	63.6	59.5	77.6	76.6	76.1
Oklahoma	16.0	54.3	61.3	60.4	52.0	56.4	56.1	54.6	60.6	59.6	60.9	66.0	67.7
Oregon	12.0	71.6	60.1	64.3	66.4	57.6	61.5	73.4	60.3	63.6	84.2	72.4	77.0
Pennsylvania	12.0	66.3	62.6	62.6	64.7	56.2	59.0	66.7	59.9	58.7	79.7	74.7	74.6
Rhode Island	13.0	74.9	66.1	66.5	66.6	61.0	62.5	72.5	64.6	65.3	82.1	74.6	79.6
South Carolina	15.0	60.6	63.0	64.0	54.6	57.6	57.6	60.6	62.5	62.0	71.6	73.0	75.7
South Dakota	13.0	69.6	63.5	62.7	66.4	63.6	62.9	70.6	63.0	62.4	77.2	74.3	69.3
Tennessee	17.0	64.3	61.6	59.6	57.5	56.1	54.3	65.5	60.5	57.6	76.3	72.3	71.2
Texas	15.0	66.7	62.0	63.0	62.6	58.0	57.7	67.9	60.5	61.2	81.6	72.1	73.3
Utah	19.0	56.6	61.7	64.0	57.5	56.7	62.1	59.3	62.0	63.6	65.7	70.4	71.7
Vermont	13.0	79.7	73.6	76.3	73.3	67.0	70.9	79.6	72.1	73.4	80.2	84.1	87.3
Virginia	17.5	75.1	66.5	66.1	67.3	59.2	61.3	75.4	62.6	66.0	66.1	76.7	77.3
Washington	16.0	67.3	61.4	65.0	61.9	57.7	61.4	69.3	61.1	63.5	80.6	73.3	75.9
West Virginia	10.5	70.1	66.5	69.6	65.1	63.7	65.6	69.6	67.3	67.2	83.0	78.1	79.7
Wisconsin	20.0	62.0	62.2	60.3	60.6	60.3	58.6	61.9	61.6	58.7	71.3	70.6	68.0
Wyoming	6.0	76.1	66.2	64.7	70.6	65.1	63.2	70.6	66.5	66.2	(D)	79.0	71.4

D Withheld to avoid disclosure of data. NA Not available. X Not applicable. ¹ Source: U.S. Advisory Committee on Intergovernmental Relations, *Significant Features of Fiscal Federalism*, 1968 Edition, Vol. I, based on OCH, *State Tax Reporter*.
² Plus local taxes, if any.

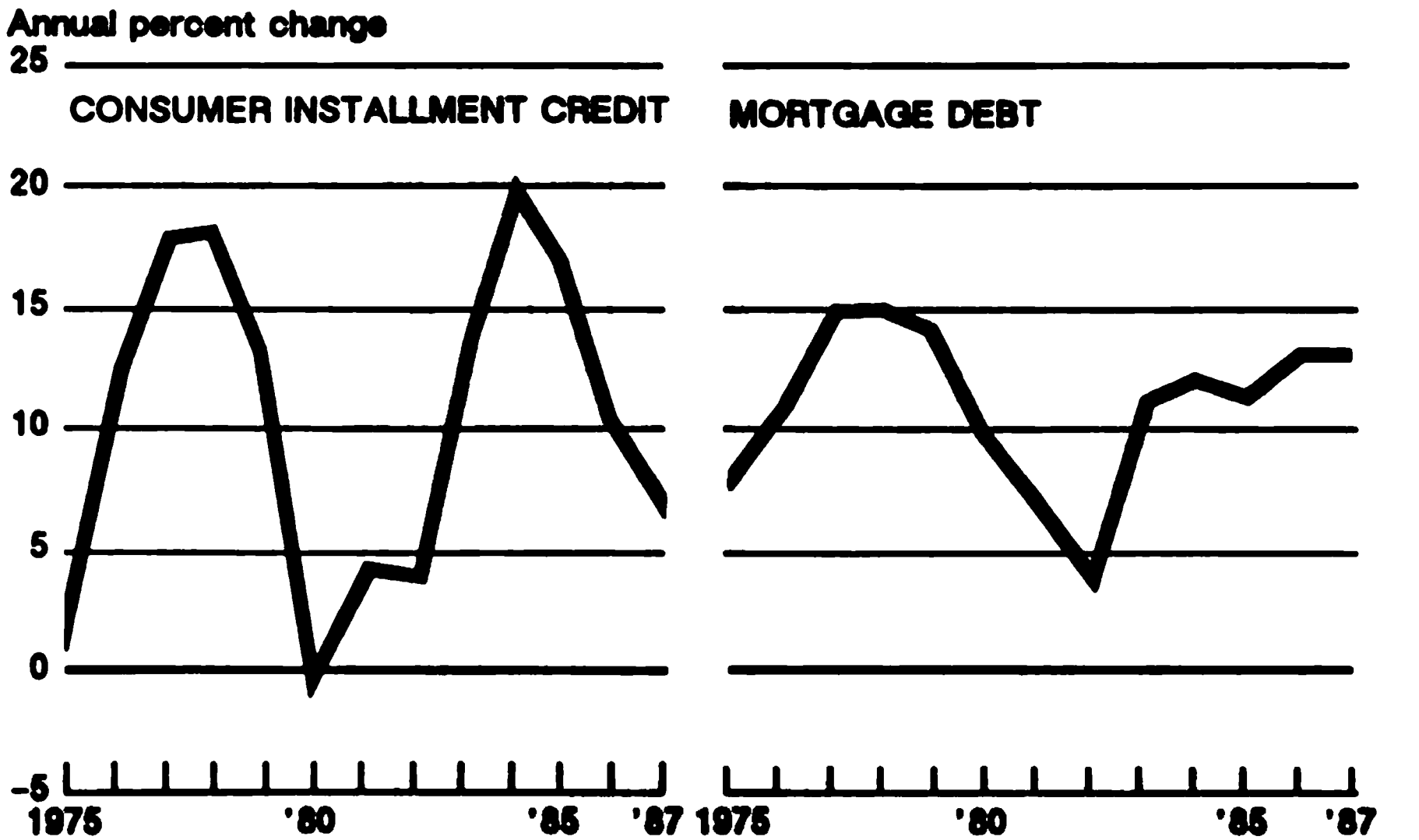
Source: Except as noted, U.S. Energy Information Administration, *Petroleum Marketing Monthly*, March 1969.

Figure 16.1
Interest Rates: 1970 to 1987



Source: Chart prepared by U.S. Bureau of the Census. For data see table 823.

Figure 16.2
Consumer Installment Credit Outstanding and Mortgage Debt Outstanding—Annual Percent Changes: 1975 to 1987



Note: Represents change in dollar amount outstanding.
Source: Chart prepared by U.S. Bureau of the Census. For data see tables 808 and 814



Section 16

Banking, Finance, and Insurance

This section presents data on the Nation's finances, various types of financial institutions, money and credit, securities, and insurance. The primary sources of these data are publications of several departments of the Federal Government, especially the Treasury Department, and independent agencies such as the Federal Deposit Insurance Corporation, the Federal Reserve System, and the Securities and Exchange Commission. National data on insurance are available primarily from private organizations, such as the American Council of Life Insurance.

Flow of funds.—The flow of funds accounts of the Federal Reserve System (see tables 784 to 786) bring together statistics on all of the major forms of financial transactions and financial claims to present an economy-wide view of asset and liability relationships. In flow form, the accounts relate borrowing and lending to one another and to the nonfinancial activities that generate income and production. Each claim outstanding is included simultaneously as an asset of the lender and as a liability of the debtor. The accounts also indicate the balance between asset totals and liability totals over the economy as a whole. Several publications of the Board of Governors of the Federal Reserve System contain information on the flow of funds accounts: Summary data on flows, in the *Federal Reserve Bulletin*, *Flow of Funds Accounts* (quarterly), and *Annual Statistical Digest*; and concepts and organization of the accounts, in *Introduction to Flow of Funds* (June 1980).

Banking system.—Banks in this country are organized under the laws of both the States and the Federal Government and are regulated by several bank supervisory agencies. State-chartered banks are supervised by officials of the respective States. National banks are supervised by the Comptroller of the Currency. *Reports of Condition* have been collected from national banks since 1883. Summaries of these reports are published in the Comptroller's *Annual Report*, which also presents data on the structure of the national banking system.

The Federal Reserve System was established in 1913 to exercise central banking functions, some of which are shared with the U.S. Treasury. It includes national banks and such State banks as voluntarily join the System. Statements of State bank members are consolidated by the Board of Governors of the Federal Reserve System with data for national banks collected by the Comptroller of the Currency into totals for all member banks of the System. Balance sheet data for member banks and other commercial banks are published quarterly in the *Federal Reserve Bulletin*.

The Federal Deposit Insurance Corporation (FDIC), established in 1933, insures each depositor up to \$100,000 currently in banks that are members of the Federal Reserve System and in such nonmember banks as join the insurance fund. Major item balance sheets for all commercial banks are published monthly in the *Federal Reserve Bulletin*.

Savings institutions and other credit agencies.—Savings institutions, insurance companies, finance companies dealing primarily in installment sales financing, credit unions, and personal loan companies represent important sources of funds for the credit market. Savings institutions are primarily involved in credit extension in the form of mortgage loans. Statistics on savings institutions are collected by the Federal Home Loan Bank Board. Statistics on loans, investments, cash, etc., of life insurance companies are published principally by the American Council of Life Insurance in its *Life Insurance Fact Book*. Consumer credit data are published currently in the *Federal Reserve Bulletin*.

Federally chartered credit unions are under the supervision of the National Credit Union Administration, established in 1970. State-chartered credit unions are supervised by the respective State supervisory authorities. The Administration publishes comprehensive program and statistical information on all Federal and federally insured State credit unions in the *Annual Report of the National Credit Union Administration*. Deposit insurance (up to \$100,000 per account) is provided to members of all Federal and these State credit unions that are federally-insured by the National Credit Union Share Insurance Fund which was established in 1970. Deposit insurance for State chartered

credit unions is also available in some States under private or State-administered insurance programs.

Government corporations and credit agencies make available credit of specified types or to specified groups of private borrowers, either by lending directly or by insuring or guaranteeing loans made by private lending institutions. Data on operations of Government credit agencies, along with other Government corporations, are available in reports of individual agencies; data on their debt outstanding are published in the *Federal Reserve Bulletin*.

Currency.—Currency, including coin and paper money, represents more than one-fourth of all media of exchange in the United States, with most payments made by check. All currency is now issued by the Federal Reserve Banks.

Securities.—The Securities and Exchange Commission (SEC) was established in 1934 to protect the interests of the public and investors against malpractices in the securities and financial markets and to provide the fullest possible disclosure of information regarding securities to the investing public.

Insurance.—Insuring companies, which are regulated by the various States or the District of Columbia, are classified as either life or property. Companies that underwrite accident and health insurance only and those that underwrite accident and health insurance in addition to one or more property lines are included with property insurance. Insuring companies, other than these classified as life, are permitted to underwrite one or more property lines provided they are so licensed and have the necessary capital or surplus.

There are a number of published sources for statistics on the various classes of insurance—life, health, fire, marine, and casualty. Individual States collect data on all insurers operating within their respective jurisdictions, and many of the States publish an annual insurance report giving individual company data and aggregates of certain items for the companies operating within the State. Organizations representing certain classes of insurers publish reports for these classes. Among them are the annual commercial publishers, such as The National Underwriter Company whose *Argus Health Chart* (annual) contains financial and operating data for individual health and accident insurance companies, including Blue Cross and Blue Shield Plans. The American Council of Life Insurance publishes statistics on life insurance purchases, ownership, benefit payments, and assets in its biennial *Life Insurance Fact Book*.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

No. 781. GROSS NATIONAL PRODUCT IN FINANCE, INSURANCE, AND REAL ESTATE IN CURRENT AND
CONSTANT (1982) DOLLARS: 1970 TO 1987

[In billions of dollars, except percent. For definition of gross national product, see text, section 14. Based on 1972 Standard Industrial Classification]

INDUSTRY	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
CURRENT DOLLARS										
Finance, insurance, real estate, total.....	145.8	221.7	400.6	449.3	475.1	536.4	572.8	639.5	708.6	775.4
Percent of gross national product.....	14.4	13.9	14.7	14.7	15.0	15.8	15.2	15.9	16.7	17.1
Banking	18.4	25.8	51.1	54.4	59.8	68.1	70.6	78.2	80.6	84.9
Credit agencies other than banks	1.7	3.3	5.5	6.5	5.4	10.6	9.8	11.6	16.4	17.0
Security and commodity brokers, and services.....	3.3	5.0	9.7	11.4	13.1	20.7	19.7	24.1	31.6	36.7
Insurance carriers	11.6	17.2	37.0	34.7	29.8	36.5	34.9	44.2	61.1	72.7
Insurance agents and brokers, and services.....	4.8	7.8	14.4	15.5	17.0	17.6	20.1	22.4	25.5	28.7
Real estate	105.4	161.8	281.5	318.7	342.7	374.2	409.1	446.7	479.4	519.3
Holding and other investment companies.....	.6	.7	1.3	8.1	7.2	8.7	8.5	12.3	14.0	16.2
CONSTANT (1982) DOLLARS										
Finance, insurance, real estate, total.....	320.7	367.6	464.3	474.2	475.1	489.0	508.6	524.3	537.6	559.4
Percent of gross national product.....	13.3	14.4	14.6	14.6	15.0	14.9	14.5	14.5	14.4	14.5
Banking	38.2	46.4	56.7	58.9	59.8	60.5	61.0	61.9	62.9	63.2
Credit agencies other than banks	3.4	4.1	5.2	5.4	5.4	6.0	6.6	7.0	7.8	8.3
Security and commodity brokers, and services.....	9.1	7.9	10.7	12.1	13.1	14.9	16.1	16.9	18.6	21.3
Insurance carriers	21.3	25.3	28.6	28.9	29.8	30.1	31.5	33.5	35.8	37.0
Insurance agents and brokers, and services....	13.7	16.0	17.3	17.1	17.0	17.4	17.9	20.0	21.9	23.9
Real estate	232.2	283.4	339.6	345.3	342.7	352.7	365.3	376.0	380.8	394.8
Holding and other investment companies	2.8	4.5	6.3	6.5	7.2	7.4	8.2	9.0	9.8	10.9

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July issues.

No. 782. PERSONS WORKING IN FINANCE, INSURANCE, AND REAL ESTATE INDUSTRIES: 1970 TO 1987

(In thousands. Data represent worker-years of full-time equivalent employment by persons working for wages or salaries and number of active partners and proprietors of unincorporated businesses who devote a majority of their working hours to their unincorporated businesses. Based on 1972 Standard Industrial Classification)

INDUSTRY	1970	1975	1980	1981	1982	1985	1984	1985	1986	1987
Finance, insurance, real estate, total.....	3,749	4,405	5,461	5,622	5,725	5,909	6,127	6,353	6,551	6,847
Average annual percent change ¹	4.0	3.5	4.5	2.8	1.8	3.2	3.9	3.7	4.5	4.5
Banking.....	1,010	1,225	1,497	1,554	1,580	1,580	1,800	1,825	1,850	1,857
Credit agencies other than banks.....	300	425	546	563	564	520	595	734	808	857
Security and commodity brokers, and services.....	219	192	250	282	317	300	380	408	451	515
Insurance carriers.....	885	1,053	1,225	1,238	1,238	1,236	1,248	1,278	1,337	1,378
Insurance agents and brokers, and services.....	355	440	559	585	623	625	655	655	719	744
Real estate.....	777	987	1,256	1,259	1,273	1,344	1,407	1,408	1,505	1,554
Holding and other investment companies.....	52	62	115	120	132	135	150	165	180	200

¹ For explanation of average annual percent change, see Guide to Tabular Presentation. For 1970, change from 1965.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July issues.

No. 782. FINANCE, INSURANCE, AND REAL ESTATE—ESTABLISHMENTS, EMPLOYEES, AND PAYROLL: 1980 TO 1988

(Excludes government employees, railroad employees, self-employed persons, etc. For statement on methodology, see Appendix III)

SIC ¹ code	INDUSTRY	ESTABLISHMENTS			EMPLOYEES (1,000)			Payroll, 1988 (bil. dol.)
		1980	1985	1988	1980	1985	1988	
60	Finance, insurance, real estate.....	425,978	457,750	584,982	5,295	6,004	6,371	151
601	Banking ²	48,154	52,215	54,759	1,508	1,585	1,540	33
602	Federal reserve banks.....	50	85	85	21	24	25	1
603	Commercial and stock savings banks.....	41,905	47,174	49,445	1,380	1,451	1,405	30
605	Mutual savings banks.....	2,223	2,476	2,597	58	67	72	1
606	Functions closely related to banking.....	1,630	2,177	2,332	28	40	38	1
61	Credit agencies other than banks ²	60,339	61,145	62,347	586	743	613	18
612	Savings and loan associations.....	15,065	17,765	17,963	235	322	337	8
613	Agricultural credit institutions.....	1,300	1,305	993	16	18	16	(2)
614	Personal credit institutions.....	35,133	29,823	29,779	218	217	235	4
615	Business credit institutions.....	2,416	2,933	3,033	50	73	82	2
616	Mortgage bankers and brokers.....	4,652	5,419	9,717	63	105	132	4
62	Security, commodity brokers and services ²	11,278	18,843	19,855	215	338	377	21
621	Security brokers and dealers.....	7,611	11,703	12,283	174	289	300	18
622	Commodity contracts brokers, dealers.....	563	1,020	916	9	14	13	(2)
623	Security and commodity exchanges.....	110	124	113	5	7	7	(2)
625	Security and commodity services.....	2,493	5,148	5,730	24	45	53	2
63	Insurance carriers ²	33,157	34,630	35,304	1,237	1,253	1,313	32
631	Life insurance.....	15,515	14,571	14,539	553	565	575	14
632	Medical service and health insurance ²	1,575	1,917	1,934	125	145	154	4
6321	Accident and health insurance.....	845	1,093	1,066	27	35	42	1
6324	Hospital and medical service plans.....	725	815	840	97	109	120	3
633	Fire, marine, and casualty insurance.....	9,236	10,625	10,475	449	453	475	12
635	Surety insurance.....	450	495	471	8	9	9	(2)
636	Title insurance.....	2,714	2,721	2,713	51	49	52	1
637	Pension, health, and welfare funds.....	3,157	3,180	3,914	33	22	28	(2)
64	Insurance agents, brokers and services.....	78,833	98,282	99,039	453	553	597	14
65	Real estate ²	169,952	198,480	205,597	586	1,145	1,220	22
651	Real estate operators and lessors.....	94,750	98,513	98,329	482	470	481	7
652	Real estate agents and managers.....	50,998	69,049	74,051	362	492	525	11
654	Title abstract offices.....	2,895	3,019	3,211	21	21	25	1
655	Subdividers and developers ²	13,029	17,511	18,824	111	130	146	3
6552	Subdividers and developers, R.E.C. ²	7,581	10,108	10,809	72	67	97	2
6553	Consemy subdividers and developers.....	4,292	4,525	4,599	33	33	34	1
66	Combined real estate, insurance, etc.....	5,425	4,873	4,695	30	24	25	(2)
67	Holding and other investment offices ²	13,135	19,254	20,246	199	193	210	5
671	Holding offices.....	3,805	5,654	5,887	63	97	108	4
672	Investment offices.....	764	503	750	7	8	8	(2)
673	Trusts.....	4,240	5,280	7,107	40	45	45	1
679	Miscellaneous investing.....	3,701	5,950	5,852	25	41	42	1
	Administrative and auxiliary.....	1,551	1,944	2,097	125	157	175	4

Z Less than \$500 million. ¹ Standard Industrial Classification; see text, section 13. ² Includes industries not shown separately. ³ N.E.C.—Not elsewhere classified.

Source: U.S. Bureau of the Census, *County Business Patterns*, annual.

NO. 784. FLOW OF FUNDS ACCOUNTS—FINANCIAL ASSETS AND LIABILITIES OF FINANCIAL AND NONFINANCIAL INSTITUTIONS, BY SECTOR AND TYPE OF INSTRUMENT: 1967

(In billions of dollars. As of Oct. 31. Preliminary A=Assets, L=Liabilities, SDR=Special drawing rights, IMF=International Monetary Fund, RFPs=Repurchase Agreements. "N.A.C."=Not elsewhere classified)

TYPE OF INSTRUMENT	ALL SECTORS, TOTAL ¹		PRIVATE DOMESTIC NONFINANCIAL INSTITUTIONS						U.S. GOVERNMENT		FINANCIAL INSTITUTIONS							
	A	L	Total		Households ²		Business		State and local govs.		Total	Monetary authority		Commercial banking		Non-bank finance		Federally sponsored credit agencies and mortgage pools
			A	L	A	L	A	L	A	L		A	L	A	L			
Total	28,389	19,807	13,804	7,800	11,910	2,884	1,791	3,708	391	880	9,891	288	2,790	2,721	3,989	1,047	1,049	
Sold stock and SDRs	81	11	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	-
Bank position	11	13	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	-
Official foreign exchange	13	13	-	-	-	-	-	-	-	-	13	-	-	-	-	-	-	-
Treasury currency SDR certificates	28	19	-	-	-	-	-	-	-	-	28	-	-	-	-	-	-	-
Checkable deposits, currency	776	828	670	-	591	-	130	-	10	-	681	-	26	648	80	30	30	30
Time and savings accounts	2,885	2,885	2,367	-	2,168	-	138	-	60	-	1,985	-	-	1,573	185	1,213	-	-
Fed. funds and security RFP's	309	301	133	-	294	-	62	-	71	-	137	-	-	217	108	36	31	31
Money market fund shares	316	316	289	-	284	-	19	-	-	-	19	-	-	-	19	316	-	-
Mutual fund shares ³	483	483	483	-	483	-	19	-	-	-	19	-	-	-	44	483	-	-
Foreign deposits	44	44	38	-	38	-	38	-	-	-	38	-	-	-	32	-	-	-
Life insurance reserves	280	280	280	-	280	-	-	-	-	-	280	-	-	-	-	278	-	-
Pension fund reserves	2,388	2,388	2,388	-	2,388	-	-	-	-	-	2,388	-	-	-	-	2,048	-	-
Interbank claims	60	60	-	-	-	-	-	-	-	-	60	-	-	-	-	-	-	-
Corporate equities ⁴	2,808	2,808	1,795	-	1,795	-	-	-	-	-	1,795	-	-	-	-	-	-	-
Credit market instruments ⁵	10,332	10,332	8,322	-	2,910	-	213	-	2,008	-	7,752	-	2,316	187	4,212	848	878	878
U.S. Treasury securities ⁶	1,854	1,854	1,854	-	1,854	-	68	-	182	-	1,854	-	201	143	634	-	874	874
Federal agency securities ⁷	878	878	175	-	81	-	1	-	6	-	170	-	174	-	249	-	-	-
Tax-exempt securities	734	734	304	-	78	-	11	-	116	-	430	-	-	77	822	-	-	-
Corporate and foreign bonds	1,180	1,180	119	-	1,060	-	-	-	80	-	904	-	-	-	1,180	-	-	-
Mortgages	2,886	2,886	341	-	1,598	-	-	-	90	-	2,395	-	286	286	1,180	-	-	-
Consumer credit	701	701	42	-	701	-	42	-	-	-	659	-	-	-	334	-	-	-
Bank loans, n.a.c.	721	721	685	-	685	-	-	-	-	-	685	-	-	-	-	-	-	-
Open-market paper	439	439	187	-	187	-	74	-	617	-	721	-	13	110	289	38	38	38
Security credit ⁸	108	108	33	-	48	-	-	-	74	-	271	-	34	-	214	-	-	-
Proprietors' equity	2,383	2,383	2,383	-	2,383	-	-	-	-	-	2,383	-	-	-	2,383	-	-	-
Trade credit ⁹	718	718	703	-	703	-	-	-	-	-	703	-	-	-	34	-	-	-
Time payable	18	18	23	-	23	-	-	-	11	-	2	-	-	-	2	-	-	-
Miscellaneous claims	1,728	1,728	481	-	184	-	486	-	233	-	684	-	390	478	389	15	15	62

- Represents zero. 2 Less than \$500 million. 3 Includes "rest of world", not shown separately. 4 Includes personal trusts and non-profit organizations. 5 Includes non-bank finance. 6 Assets shown at market value. No specific liability attributed to issuers of stocks other than open-end investment companies to account for redemptions. 7 Includes "Other loans", not shown separately. 8 Includes savings bonds and other nonmarketable debt held by public. 9 Issues by agencies in the budget and by sponsored credit agencies in financial section, issues backed by mortgage pools, and loan participation certificates. 10 Asset is corporate only; noncorporate credit deducted in liability total to conform to quarterly flow tables.

Sources: Board of Governors of the Federal Reserve System, Annual Statistical Digest.

NO. 786. FLOW OF FUNDS ACCOUNTS—FINANCIAL ASSETS OF FINANCIAL AND NONFINANCIAL INSTITUTIONS, BY HOLDER SECTOR: 1970 TO 1987

[In billions of dollars. As of Dec. 31. See also *Historical Statistics, Colonial Times to 1970*, series X 182, X 228, X 821, and X 835]

SECTOR	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
All sectors	4,888	7,088	13,026	14,167	15,368	17,030	18,746	21,266	23,801	25,380
Households ¹	2,494	3,518	6,567	7,122	7,719	8,473	9,118	10,188	11,083	11,512
Nonfinancial business	417	618	1,101	1,195	1,226	1,345	1,470	1,594	1,718	1,791
Farm	11	15	24	28	28	29	31	34	38	39
Nonfarm noncorporate	35	44	64	70	74	74	86	102	110	78
Nonfinancial corporations	370	559	1,013	1,099	1,124	1,242	1,352	1,458	1,571	1,676
U.S. Government	90	122	224	248	268	281	313	348	357	331
U.S. Government-sponsored										
credit agencies and mortgage pools	52	122	300	362	434	502	588	665	680	1,047
State and local government	72	129	216	224	244	262	326	440	498	531
Monetary authorities	56	125	174	182	194	204	219	243	275	286
Commercial banking ²	517	886	1,482	1,613	1,724	1,874	2,106	2,345	2,588	2,743
Domestic commercial banks	489	782	1,266	1,365	1,472	1,603	1,801	1,994	2,172	2,262
Foreign banking offices in U.S.	9	29	101	125	111	113	126	147	167	231
Nonbank finance	825	1,358	2,549	2,825	3,145	3,572	4,038	4,708	5,491	5,990
Savings and loan associations ³	173	333	622	658	708	830	890	1,072	1,158	1,263
Life insurance	201	280	484	508	568	633	683	796	908	1,000
Other insurance	50	77	174	188	203	225	241	291	348	387
Private pension funds	112	225	470	487	567	669	695	838	936	988
Govt. retirement funds ⁴	80	105	198	224	263	311	357	405	489	509
Finance companies	84	99	202	227	237	264	302	354	412	449
Money market funds	-	4	78	168	220	179	234	244	292	316
Mutual savings banks ⁵	78	121	172	175	174	194	206	219	239	263
Investment companies	47	43	62	60	77	112	137	240	414	453
Credit unions	18	37	69	72	83	98	113	137	166	184
Security brokers, dealers	18	19	36	36	43	48	52	76	76	86
CMO ⁶ issuers	-	-	-	-	(2)	4	18	29	86	104
Real estate investment trusts	4	14	3	3	4	4	6	8	9	12
Rest of the world	98	184	405	399	403	487	588	704	922	1,119

- Represents zero. Z Less than \$500 million. ¹ Includes personal trusts and nonprofit organizations. ² Includes other sectors not shown separately. ³ See footnote 2, table 787. ⁴ State and local. ⁵ Includes Federal savings banks insured by Federal Deposit Insurance Corporation and a few insured by Federal Savings and Loan Insurance Corporation. ⁶ Collateralized mortgage obligations.

Source: Board of Governors of the Federal Reserve System, *Annual Statistical Digest*.

NO. 786. FLOW OF FUNDS ACCOUNTS—ASSETS AND LIABILITIES OF HOUSEHOLDS: 1970 TO 1987

[As of December 31. Includes personal trusts and nonprofit organizations. See also *Historical Statistics, Colonial Times to 1970*, series X 114-147]

TYPE OF INSTRUMENT	TOTAL (bil. dol.)							PERCENT DISTRIBUTION		
	1970	1975	1980	1984	1985	1986	1987	1970	1980	1987
Total financial assets	2,494	3,518	6,567	9,118	10,188	11,083	11,512	100.0	100.0	100.0
Deposit and market instrument ¹	783	1,270	2,180	3,353	3,690	3,945	4,226	31.8	32.9	36.7
Checkable deposits and currency	118	168	272	388	407	507	521	4.7	4.1	4.5
Small time and savings deposits	410	721	1,141	1,886	1,830	1,948	2,021	16.4	17.4	17.6
Money market fund shares	-	4	85	202	215	257	284	-	1.0	2.5
Large time deposits	15	44	131	180	165	149	167	7	2.0	1.5
Credit market instruments	248	334	651	917	1,074	1,086	1,233	10.1	8.4	10.7
U.S. Government securities	103	131	247	495	552	552	600	4.1	3.8	5.2
Treasury issues	83	119	206	443	474	485	519	3.3	3.1	4.5
Savings bonds	52	67	73	75	80	83	101	2.1	1.1	0
Other Treasury	31	52	133	368	394	382	418	1.2	2.0	3.6
Agency issues	20	12	41	52	78	66	81	.8	.6	7
Tax-exempt obligations	46	68	88	192	240	232	266	1.8	1.3	2.5
Corporate and foreign bonds	36	67	59	48	81	96	119	1.4	.9	1.0
Mortgages	52	58	117	151	151	147	148	2.1	1.8	1.3
Open-market paper	12	9	41	30	70	80	83	.5	.8	7
Mutual fund shares	45	39	52	118	203	388	388	1.9	.8	3.4
Corporate equities	683	689	1,112	1,321	1,687	1,845	1,755	27.4	16.9	15.2
Life insurance reserves	131	167	216	246	257	274	290	5.2	3.3	2.5
Pension fund reserves ²	241	444	916	1,513	1,791	2,054	2,235	9.7	14.0	19.4
Equity in noncorporate business	572	855	2,023	2,433	2,368	2,380	2,393	22.9	30.8	20.8
Security credit	4	5	15	18	31	39	33	.2	.2	.3
Miscellaneous assets	26	41	72	117	131	160	184	1.1	1.1	1.6
Total liabilities	601	781	1,507	2,180	2,458	2,738	2,904	108.0	108.0	100.0
Credit market instruments	480	762	1,450	2,074	2,380	2,635	2,810	95.8	98.2	95.8
Mortgages	309	495	975	1,344	1,495	1,693	1,806	61.7	64.7	65.3
Installment consumer credit	106	189	300	453	531	588	624	21.1	19.9	21.5
Other consumer credit	38	51	74	109	126	137	77	7.5	4.9	2.7
Tax-exempt debt	-	3	17	51	81	79	79	-	1.1	2.7
Bank loans, not elsewhere classified	7	14	30	37	44	52	48	1.4	2.0	1.8
Other loans	21	32	85	79	83	88	67	4.2	3.6	3.0
Security credit	10	12	27	35	51	60	48	2.1	1.8	1.6
Trade credit	5	9	17	28	26	31	33	1.1	1.1	1.2
Unpaid life insurance premiums ³	5	8	13	15	16	14	15	1.0	.9	.5

- Represents zero. ¹ Excludes corporate equities. ² See also table 581. ³ Includes deferred premiums.

Source: Board of Governors of the Federal Reserve System, *Annual Statistical Digest*.

No. 787. FLOW OF FUNDS ACCOUNTS—ASSETS AND LIABILITIES OF PRIVATE NONBANK FINANCIAL INSTITUTIONS, BY TYPE OF INSTRUMENT: 1967

(In billions of dollars. As of Dec. 31. Preliminary. A=Assets; L=Liabilities; "N.e.c." = Not elsewhere classified; RP's=Repurchase agreements)

TYPE OF INSTRUMENT	TOTAL ¹		SAVINGS AND LOAN ASSOCIATIONS ²		LIFE INSURANCE COMPANIES		PRIVATE PENSION FUNDS		STATE AND LOCAL GOVERNMENT RETIREMENT FUNDS		INVESTMENT COMPANIES	
	A	L	A	L	A	L	A	L	A	L	A	L
Total	5,990	5,804	1,363	1,216	1,665	651	955	495	285	686	463	463
Checkable deposits	80	65	15	41	5	-	9	-	2	-	7	-
Time and savings accounts	155	1,213	7	857	-	-	70	-	19	-	-	-
Federal funds, security RP's	106	85	27	85	-	-	-	-	-	-	-	-
Money market fund shares	19	318	-	-	7	-	12	-	-	-	-	-
Foreign deposits	22	-	-	-	-	-	-	-	-	-	-	-
Reserves:												
Life insurance	-	275	-	-	275	-	-	-	-	-	-	-
Pension fund	-	2,048	-	-	532	-	946	-	300	-	-	-
Mutual fund shares	44	453	-	-	15	-	29	-	-	-	-	453
Corporate equities	974	-	-	-	78	-	461	-	173	-	174	-
Credit market instruments	4,212	642	1,069	181	612	-	345	-	315	-	272	-
Securities:												
U.S. Treasury	452	-	21	-	55	-	67	-	107	-	50	-
Federal agency	624	-	189	-	55	-	55	-	55	-	35	-
Tax-exempt	248	-	1	-	12	-	-	-	1	-	71	-
Corporate and foreign bonds	632	259	86	16	378	-	147	-	136	-	54	-
Mortgages	1,180	9	708	-	212	-	8	-	15	-	-	-
Consumer credit	334	-	59	-	-	-	-	-	-	-	-	-
Bank loans, n.e.c.	-	39	-	32	-	-	-	-	-	-	-	-
Open market paper	258	214	23	20	20	-	68	-	-	-	13	-
Other loans	265	133	24	128	53	-	-	-	-	-	-	-
Security credit	57	59	-	-	-	-	-	-	-	-	-	-
Trade credit	24	-	-	-	-	-	-	-	-	-	-	-
Taxes payable	-	2	-	-	-	1	-	-	-	-	-	-
Miscellaneous	329	620	144	25	84	120	60	-	-	-	-	-

- Represents or rounds to zero. ¹ Includes other institutions, not shown separately. ² Includes most Federal savings banks insured by FDIC. A few of them are included with mutual savings banks, not shown separately.

No. 788. FLOW OF FUNDS ACCOUNTS—CREDIT MARKET DEBT OUTSTANDING: 1970 TO 1967

(In billions of dollars; except percent. As of Dec. 31. "N.e.c." = Not elsewhere classified)

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Credit market debt	1,804	2,824	4,682	5,183	5,644	6,314	7,225	8,379	9,466	15,232
Government	450	667	1,038	1,132	1,315	1,536	1,782	2,077	2,336	2,513
Federal	301	446	743	830	991	1,178	1,377	1,600	1,815	1,938
State and local	149	220	295	302	324	358	385	477	520	564
Non-government	1,154	1,958	3,644	4,051	4,328	4,778	5,483	6,292	7,089	7,818
Financial ¹	120	201	563	665	756	858	1,009	1,210	1,512	1,807
Sponsored credit agencies ²	59	50	163	195	210	212	242	264	279	308
Mortgage pools	5	29	114	129	179	245	289	369	532	670
Commercial banks ³	13	42	91	112	131	148	171	180	177	187
Savings and loan associations	11	19	58	73	76	74	83	118	145	181
Finance companies	52	62	157	155	155	175	186	253	318	367
Foreign	52	95	197	221	210	226	236	237	296	243
Private domestic nonfinancial	881	1,602	2,864	3,185	3,260	3,893	4,219	4,755	5,319	5,706
Corporations ⁴	354	545	912	1,018	1,066	1,151	1,347	1,519	1,708	1,867
Bonds	167	261	412	448	482	507	574	670	781	880
Mortgages	59	66	81	79	77	81	81	82	84	87
Bank loans, n.e.c.	104	169	282	326	363	381	445	482	536	551
Nonbank finance loans	14	32	79	66	91	102	130	152	189	199
Individuals	626	1,057	1,672	2,147	2,272	2,542	2,872	3,255	3,810	3,902
By sector										
Households ⁴	480	782	1,450	1,575	1,657	1,845	2,074	2,360	2,835	2,810
Farm	47	82	160	176	183	187	187	173	168	146
Nonfarm noncorporate	100	213	362	295	432	510	611	703	888	948
By type of instrument										
Mortgages	410	717	1,366	1,477	1,532	1,732	1,951	2,185	2,460	2,795
Consumer credit	143	280	374	396	415	472	563	667	729	701
Policy loans	17	28	43	50	54	55	56	58	55	55
Bank loans, n.e.c.	30	47	75	86	101	106	108	110	117	114
Other loans	26	45	98	115	121	135	144	147	165	168
Tax-exempt debt	-	3	17	21	20	41	51	61	79	79
ANNUAL PERCENT CHANGE ⁵										
Credit market debt	7.8	8.8	16.1	10.7	9.3	11.8	14.8	14.6	13.7	19.8
Federal government	4.1	23.7	11.8	11.8	16.4	16.8	16.8	15.2	13.4	7.9
State and local government	8.2	5.9	6.2	2.9	7.1	10.5	7.7	23.8	9.3	6.5
Non-government										
Financial	15.0	4.8	13.1	18.1	13.6	13.1	17.7	18.7	24.4	18.8
Foreign	5.7	17.4	14.0	11.8	7.2	6.2	3.7	8	8.8	1.6
Households	5.8	7.1	8.5	8.5	8.7	11.4	12.7	14.1	11.8	8.4
Nonfinancial business	10.1	4.8	8.7	11.2	7.9	6.3	15.8	11.5	12.2	8.1

- Represents zero. ¹ Includes other types, not shown separately. ² U.S. Government. ³ Includes bank affiliates. ⁴ See footnote 2, table 784. ⁵ Percent change from immediate preceding year.

Source of tables 787 and 788: Board of Governors of the Federal Reserve System, Annual Statistical Digest

NO. 788. OWNERSHIP OF PUBLIC DEBT SECURITIES BY PRIVATE INVESTORS: 1970 TO 1987

[As of December. Par values. Estimated]

INVESTOR	AMOUNT (bil. dol.)							PERCENT DISTRIBUTION				
	1970	1975	1980	1984	1985	1986	1987	1970	1975	1980	1985	1987
Total privately held	329.1	349.4	616.4	1,212.5	1,417.2	1,812.0	1,745.2	100.0	100.0	100.0	100.0	100.0
Commercial banks ¹	62.7	85.1	112.1	163.4	192.2	236.3	253.3	27.4	24.4	18.2	13.6	14.5
Nonbank investors	166.4	264.2	504.3	1,029.1	1,225.0	1,373.7	1,492.1	72.6	75.6	81.8	86.4	85.5
Individuals ²	81.2	90.6	117.1	143.8	154.8	162.8	(NA)	35.4	26.0	19.0	10.9	(NA)
Insurance companies	7.4	9.5	24.0	69.7	115.4	135.4	(NA)	3.2	2.7	3.9	8.1	(NA)
Money market funds	(NA)	(NA)	3.5	25.9	25.1	26.0	14.3	(NA)	(NA)	5	1.8	6
Corporations ³	7.3	21.3	19.3	50.1	59.0	66.8	64.6	3.2	6.1	3.1	4.2	4.8
State and local governments ⁴	27.8	34.2	67.9	173.0	224.0	260.0	(NA)	12.1	9.8	14.3	15.6	(NA)
Foreign and international ⁵	19.8	66.5	129.7	162.9	212.5	251.6	267.3	6.8	19.0	21.0	15.0	16.5
Other investors ⁶	23.0	41.9	122.8	354.7	434.2	467.1	(NA)	10.0	12.0	19.9	30.6	(NA)

NA Not available. ¹ Consists of domestically chartered banks, U.S. branches and agencies of foreign banks, NY investment companies majority owned by foreign banks, and Edge Act corporations owned by domestically chartered and foreign banks. ² Includes partnerships and personal trust accounts. ³ Exclusive of banks and insurance companies. ⁴ Includes State and local pension funds. ⁵ Consists of the investment of foreign balances and international accounts in the United States. ⁶ Consists of savings and loan associations, credit unions, mutual savings banks, nonprofit institutions, money market funds (for 1970 and 1975), corporate pension trust funds, and dealers and brokers. Also included are certain government deposit accounts and government-sponsored agencies.

Source: U.S. Dept. of the Treasury, *Treasury Bulletin*, quarterly.

NO. 790. SELECTED FINANCIAL INSTITUTIONS—NUMBER AND ASSETS, BY ASSET SIZE: 1987

[As of December]

ASSET SIZE	NUMBER OF INSTITUTIONS				ASSETS (bil. dol.)			
	F.D.I.C.-insured commercial banks ¹	F.S.L.I.C.-insured savings institutions ²	F.D.I.C.-insured savings banks ¹	Credit unions ³	F.D.I.C.-insured commercial banks ^{1,4}	F.S.L.I.C.-insured savings institutions ²	F.D.I.C.-insured savings banks ¹	Credit unions ³
Total	15,986	3,147	464	14,336	3,080.9	1,251.9	261.9	162.2
Less than \$5.0 million	207		1	8,844	.7	(2)	(2)	13.9
\$5.0 million-\$9.9 million	628	341	6	1,814	6.4	5.4	(2)	11.4
\$10.0 million-\$24.9 million	3,474		20	1,951	56.6		.3	24.8
\$25.0 million-\$49.9 million	3,556	540	43	671	128.0	20.0	1.5	23.4
\$50.0 million-\$99.9 million	2,862	702	67	371	188.9	50.0	6.5	25.9
\$100.0 million-\$499.9 million	2,201	1,146	225	268	424.4	242.2	53.0	46.0
\$500.0 million or more	571	418	102	16	2,182.7	932.0	200.4	13.9
PERCENT DISTRIBUTION								
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than \$5.0 million	1.5		.2	66.7	(2)		(2)	8.6
\$5.0 million-\$9.9 million	6.0	10.8	1.2	11.2	.2	.4	(2)	7.0
\$10.0 million-\$24.9 million	25.4		4.1	10.8	2.0		1	15.3
\$25.0 million-\$49.9 million	28.0	17.2	9.9	4.7	4.3	1.6	.6	14.4
\$50.0 million-\$99.9 million	20.9	22.3	18.0	2.6	6.6	4.0	2.5	15.9
\$100.0 million-\$499.9 million	16.1	36.4	48.5	1.9	14.1	19.4	20.2	30.2
\$500.0 million or more	4.2	13.3	21.1	1	72.7	74.6	76.5	8.6

² Less than \$50 million or .05 percent. ¹ Source: U.S. Federal Deposit Insurance Corporation (F.D.I.C.), unpublished data. ² Source: U.S. League of Savings Institutions, Washington, DC, *Savings Institutions Sourcebook*, annual. F.S.L.I.C. = Federal Savings and Loan Insurance Corporation. ³ Source: National Credit Union Administration, *National Credit Union Administration Year-end Statistics 1987*. Excludes nonfederally insured State chartered credit unions and federally insured corporate credit unions. ⁴ Includes foreign branches of U.S. banks.

Source: Compiled from sources listed in footnotes.

NO. 791. FEDERAL RESERVE MEMBER BANKS—REVENUE AND EXPENSES: 1970 TO 1987

[Includes one member bank in the Virgin Islands. Minus sign (-) indicates loss]

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
Member banks	Number	5,769	5,790	5,425	5,422	5,474	5,619	5,807	5,961	6,034	5,989	5,717
Current revenue	Bil. dol.	27.9	51.4	116.9	150.8	196.6	202.3	195.9	216.6	216.9	211.8	222.5
Expenses	Bil. dol.	22.2	44.4	105.8	136.5	181.9	185.4	171.8	200.9	200.2	187.4	220.9
Net current earnings	Bil. dol.	5.7	7.0	13.1	14.2	14.7	13.9	14.0	14.7	17.8	17.2	2.7
Net income	Bil. dol.	3.6	5.5	9.2	9.9	10.6	10.7	10.8	11.2	13.5	13.3	6.7
Cash dividends declared	Bil. dol.	1.6	2.5	3.5	3.9	4.4	4.9	5.5	5.7	6.3	6.9	8.2
Capital accounts ¹	Bil. dol.	33.0	50.0	67.1	73.7	80.9	86.7	96.7	106.6	117.6	126.2	126.5
Ratios to avg. capital accounts:												
Net current earnings	Percent	17.4	13.9	19.5	19.2	18.2	16.7	14.5	13.6	15.1	13.6	2.1
Net income	Percent	11.6	11.1	13.7	13.4	13.1	12.1	11.2	10.5	11.5	10.8	-.5
Cash dividends declared	Percent	5.3	5.0	6.2	6.3	6.5	6.5	5.7	6.3	5.4	5.5	4.3

¹ Averages of amounts reported for varying call dates; for details, see source.Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

No. 792. FDIC-INSURED BANKS—NUMBER, BANKING OFFICES, AND DEPOSITS, BY CLASS OF BANK:
1987

[As of June 30. Includes Puerto Rico and outlying areas. FDIC—Federal Deposit Insurance Corporation]

CLASS OF BANK	Banks (num- ber)	Bank- ing offices (num- ber)	DEPOSITS (mil. dol.)				
			Total ¹	Individuals, partnerships and corporations			Govern- ment
				Total	Trans- action ac- counts ²	Non- transac- tion accounts	
Total	14,436	62,344	2,137,284	1,836,170	544,879	1,306,291	112,863
Commercial banks	13,956	58,806	1,936,940	1,734,036	527,073	1,206,963	112,073
National banks	4,747	28,339	1,110,273	982,360	307,366	695,015	62,752
State (Federal Reserve, member bank)	1,096	6,368	270,613	237,190	60,391	156,785	12,053
State (non-Federal Reserve member)	6,112	24,109	555,054	504,466	139,317	365,149	37,266
Savings banks	480	3,468	198,215	198,214	17,353	180,861	-
U.S. branches of foreign banks	-	60	3,129	2,820	463	2,467	10

- Represents zero. ¹ Includes other types of deposits, not shown separately. ² A transaction account is a deposit or account on which the depositor or account holder is permitted to make withdrawals by negotiable or transferable instrument, payment orders of withdrawal, telephone transfers, or other similar devices for the purpose of making payments or transfers to others.

Source: U.S. Federal Deposit Insurance Corporation, *Data Book, Operating Banks and Branches, June 30, 1987*, vol. 1.

No. 793. BANKING OFFICES, BY DEPOSIT INSURANCE STATUS: 1970 TO 1987

[As of December 31. Includes Puerto Rico and outlying areas. Beginning 1982 excludes automatic teller machines that were previously being reported by many banks as branches. See also *Historical Statistics, Colonial Times to 1970*, series X 716-724]

ITEM	1970	1975	1980	1981	1982	1982	1984	1985	1986	1987
All banking offices	37,198	47,239	57,232	58,346	57,913	58,806	60,667	60,890	61,897	62,914
Commercial banks, total	35,585	44,917	53,649	55,749	54,829	55,980	57,010	57,764	58,585	59,423
Member, Federal Reserve										
System	21,909	28,526	29,965	31,414	30,921	31,946	32,809	33,654	34,542	35,196
National banks	17,191	21,073	24,217	25,221	24,667	26,080	27,037	27,844	28,216	28,744
State banks	4,798	5,453	5,796	6,199	6,054	5,866	5,772	6,010	6,324	6,452
Nonmember banks	13,596	16,391	23,684	24,335	23,908	24,014	24,201	23,910	24,023	24,227
Insured	13,332	16,043	23,188	23,785	23,314	23,380	23,535	23,910	24,023	24,227
Noninsured	264	348	476	547	594	634	660	(NA)	(NA)	(NA)
Savings banks, total	1,581	2,322	3,593	3,596	3,084	3,080	3,057	3,129	3,332	3,491
Insured	1,229	1,957	3,098	3,217	2,733	2,760	2,726	3,129	3,332	3,491
Noninsured	358	425	517	382	351	330	329	(NA)	(NA)	(NA)

NA Not available.

Source: U.S. Federal Deposit Insurance Corporation, *Annual Report*, and unpublished data.

No. 794. CHANGES IN NUMBER OF OPERATING BANKING OFFICES: 1970 TO 1987

[As of December 31. Includes Puerto Rico and outlying areas. Beginning 1985, excludes noninsured institutions. Minus sign (-) indicates decrease]

TYPE OF CHANGE	1970	1975	1982	1981	1982	1982	1984	1986	1986	1987
Banking offices ¹	37,198	47,232	57,232	58,346	57,913	58,806	60,667	60,890	61,897	62,914
Number of banks	14,193	15,130	15,330	16,368	15,412	15,440	15,489	14,809	14,681	14,207
Number of branches ¹	22,967	32,109	41,902	43,993	42,501	43,610	44,578	46,081	47,216	48,707
Net change during year	1,284	1,931	2,396	2,116	- 1,436	1,137	1,917	1,799	1,667	1,917
Offices opened	1,864	2,224	2,800	2,901	2,367	2,119	2,336	2,874	2,796	3,144
Banks	166	277	271	285	379	482	466	482	396	271
Branches	1,678	1,947	2,529	2,616	2,008	1,667	1,852	2,392	2,390	2,873
Offices closed	260	293	484	785	3,822	982	1,321	1,115	1,749	2,127
Banks	165	108	142	240	322	404	427	460	524	746
Branches	115	165	352	545	2,500	578	894	655	1,225	1,382

¹ See headnote, table 793. ² Includes 3,000 automatic teller machines that were previously reported as branches.

Source: U.S. Federal Deposit Insurance Corporation, *Annual Report*, and unpublished data.

Figure 1

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Source: Bureau of Economic Warfare, "The Economic Warfare System: Planning and Control, 1941-1945," *Report*, 1946.

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Source: Except as noted, Board of Governors of the Federal Reserve System, *Annual Statistical Report*.

NO. 797. INSURED COMMERCIAL BANKS—ASSETS AND LIABILITIES: 1975 TO 1987

(In billions of dollars, except number of banks. As of Dec. 31. Includes outlying areas. Excludes noninsured banks and nondescript trust companies. 1975 includes American branches of foreign banks. Except as noted, includes foreign branches of U.S. banks. See *Historical Statistics, Colonial Times to 1970*, series X 589-608, for related data.)

ITEM	1975	1980	1981	1982	1983	1984	1985	1986	1987
Number of banks.....	14,384	14,434	14,414	14,452	14,405	14,481	14,404	14,300	13,886
Assets.....	1,085.4	1,885.7	2,029.1	2,194.3	2,342.1	2,506.6	2,731.0	2,941.1	3,086.6
Securities, total ¹	251.5	324.4	352.1	388.0	441.3	385.8	439.6	485.0	520.7
U.S. Treasury, direct obligations.....	81.0	104.5	103.7	118.7	168.1	108.2	118.3	127.2	178.2
Obligations of States and subdivisions ²	100.9	146.3	181.5	155.2	158.4	120.3	180.6	140.4	120.8
Federal funds sold and securities purchased ³	27.0	70.3	81.2	108.9	93.5	110.8	133.2	136.3	130.6
Net loans and leases ⁴	580.1	1,008.4	1,120.2	1,211.5	1,301.3	1,488.7	1,807.8	1,727.8	1,779.8
Commercial and industrial loans.....	(NA)	391.0	484.8	504.4	524.3	585.0	577.7	600.8	588.7
Real estate loans.....	(NA)	289.1	291.4	308.0	338.8	385.8	438.5	515.3	589.9
Loans to depository institutions ⁵	(NA)	81.2	94.7	108.9	108.2	72.3	68.0	70.3	84.3
Loans to farmers (excl. real estate).....	(NA)	22.3	23.7	37.0	39.9	40.7	38.1	31.7	28.4
Other loans to individuals.....	(NA)	187.4	199.2	199.2	224.6	285.9	308.0	335.7	351.2
All other loans ⁶	(NA)	62.6	73.1	73.1	83.6	178.6	165.1	181.9	210.0
Lease financing receivables.....	(NA)	14.0	16.7	16.7	17.1	20.2	24.3	27.5	31.0
Cash, balances with banks, etc.....	189.4	331.8	327.4	334.3	341.9	328.5	340.8	379.2	308.2
Other.....	47.4	112.8	138.2	155.5	164.2	198.8	208.8	209.8	211.6
Liabilities and equity capital.....	1,085.4	1,885.7	2,029.1	2,194.3	2,342.1	2,506.6	2,731.0	2,941.1	3,086.6
Deposits.....	815.9	1,481.2	1,688.8	1,706.5	1,842.5	1,982.8	2,117.9	2,283.6	2,334.9
Demand ⁷	(NA)	415.1	388.2	354.2	370.6	421.6	450.9	510.8	455.6
Time and savings ⁸	(NA)	755.6	880.1	1,028.1	1,140.9	1,223.4	1,345.2	1,458.3	1,537.7
Deposits in foreign offices.....	(NA)	(NA)	(NA)	(NA)	(NA)	317.6	221.6	313.8	341.6
Individuals, partnerships and corporations ⁹	(NA)	1,007.6	1,103.8	1,214.9	1,283.6	1,488.8	1,617.1	1,751.8	1,787.2
Government ¹⁰	(NA)	64.2	66.3	90.0	88.7	98.6	107.5	110.2	111.7
Domestic interbank, foreign government, and other banks in foreign countries ¹¹	(NA)	77.7	84.2	77.5	70.8	55.8	64.0	77.1	84.4
Miscellaneous liabilities.....	101.6	280.4	315.4	351.5	352.0	381.4	414.8	488.4	488.9
Subordinated notes and debentures.....	4.4	5.5	5.5	7.3	7.1	10.2	14.7	18.9	17.8
Limited-life preferred stock.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	14.0	.1	.1
Equity capital.....	64.3	107.6	118.3	128.9	140.5	164.3	188.5	182.3	161.4

NA Not available. ¹ Book value. Includes other categories not shown separately. ² Beginning 1984, nonrated industrial development and other obligations of States and political subdivisions are included under all other loans. ³ Under agreements to resell. ⁴ Excludes allowance for loan and lease losses and unearned income. ⁵ Includes loans to foreign banks. ⁶ Includes reserves on loans and securities, not shown separately. ⁷ Represents deposits in domestic offices only. ⁸ Beginning 1984, noninterest bearing deposits. ⁹ Beginning 1984, interest bearing deposits. ¹⁰ Includes official institutions in foreign countries.

Source: U.S. Federal Deposit Insurance Corporation, *Assets and Liabilities: Commercial and Mutual Savings Banks*, semiannual; beginning 1980, *Annual Report*; and unpublished data.

NO. 798. INSURED COMMERCIAL BANKS—SELECTED MEASURES OF FINANCIAL CONDITION: 1975 TO 1987

(As of December 31. Capital figures exclude reserves for possible loan losses)

ITEM	Unit	1976	1982	1981	1982	1982	1984	1985	1986	1987
Number of banks.....	Number	14,384	14,434	14,414	14,452	14,405	14,481	14,404	14,300	13,886
Equity and debt capital ¹	Bil. dol.	70.3	114.1	124.8	138.2	147.8	164.5	188.2	188.3	188.1
Equity capital to total assets.....	Percent	6.1	6.8	6.8	6.8	6.0	6.2	6.2	6.2	6.0
Equity capital to total deposits.....	Percent	8.5	7.3	7.4	7.8	7.9	7.9	8.0	8.0	7.6
Debt capital to total capital ²	Percent	8.3	8.7	8.2	5.4	4.8	8.2	14.6	8.5	8.9
Total capital to total assets.....	Percent	6.6	6.2	6.2	6.2	6.3	6.4	6.7	6.5	6.5
Total capital to total liabilities.....	Percent	6.9	6.6	6.6	6.6	6.7	7.0	7.2	7.3	7.1
Total capital to risk assets ³	Percent	9.0	8.4	8.2	8.2	8.4	8.5	9.1	8.7	8.6
Total loans, excluding Federal funds ⁴	Bil. dol.	578.4	1,002.6	1,131.3	1,224.4	1,316.9	1,506.3	1,830.6	1,758.6	1,829.3
Total loans to deposits.....	Percent	83.4	87.7	71.3	71.7	71.5	75.9	77.0	78.9	78.3
Not loan charge-offs to average total loans.....	Percent	.61	.38	.38	.58	.88	.78	.84	.88	.88
Aggregate net operating income.....	Mill. dol.	7,148	14,484	15,800	15,867	14,807	15,540	16,267	13,814	1,983
Aggregate net income to average equity capital.....	Percent	11.7	13.7	13.1	12.1	11.1	10.7	11.3	10.0	2.0
Aggregate net income to average assets.....	Percent	.76	.78	.77	.72	.88	.86	.70	.63	.12

¹ Beginning 1985 includes limited life preferred stock as debt capital. ² Risk assets are total assets less cash, U.S. Government securities, and Federal funds sold. ³ Beginning in 1984, some assets previously classified as securities are included among loans.

Source: U.S. Federal Deposit Insurance Corporation, *The Condition of the Financial System*, May 1980, and unpublished data.

No. 799. FDIC-INSURED BANKS CLOSED OR ASSISTED DUE TO FINANCIAL DIFFICULTIES, AND PROBLEM BANKS: 1971 TO 1987

[Banks are closed either permanently or temporarily by order of supervisory authorities or by directors of banks. FDIC = Federal Deposit Insurance Corporation. See *Historical Statistics, Colonial Times to 1970*, series X 741, 748, 756, and 761]

ITEM	Unit	1971-1980	1970	1975	1980	1981	1985	1986	1987	1988	1989	1990	1997
Total banks closed or assisted	Number	84	7	10	11	10	42	48	80	120	145	203	
Agricultural banks ¹	Number	(NA)	(NA)	(NA)	(NA)	1	7	7	31	62	59	57	
Deposits, closed and assisted banks	ML. dol.	10,851	854	111	5,216	3,826	9,808	5,442	29,883	8,059	6,587	8,588	
Agricultural banks ¹	ML. dol.	(NA)	(NA)	(NA)	(NA)	7	112	114	421	886	1,408	908	
Problem banks ²	Number	(X)	342	287	217	223	389	642	848	1,140	1,484	1,575	

NA Not available. X Not applicable. ¹ Banks with at least 25 percent of their portfolios devoted to farm loans.
² FDIC-insured commercial and savings banks considered to be problem banks by the supervisory authorities, end-of-period.
Source: U.S. Federal Deposit Insurance Corporation. *Annual Report*, and unpublished data.

No. 800. U.S. BANKING OFFICES OF FOREIGN BANKS—SUMMARY: 1975 TO 1987

[In billions of dollars, except as indicated. As of December, except as indicated. Covers agencies, branches, subsidiary commercial banks, New York State investment companies, and, for data by country only, finance companies]

YEAR	Assets	LOANS		Deposits	COUNTRY	NUMBER OF—		Assets	Loans, commercial and industrial	Deposits
		Total	Business			Banks with U.S. offices	U.S. offices			
1975	52.4	28.9	18.9	22.6	1987, total ²	886	884	671.9	138.6	314.9
1980	200.6	121.4	59.6	80.4	Japan	30	89	275.3	81.6	148.6
1981	250.6	157.7	73.6	101.8	Canada	6	51	48.0	13.2	22.3
1982	288.8	185.2	82.4	154.3	United Kingdom	12	47	41.0	13.9	28.7
					Italy	12	25	37.7	8.0	15.7
1983	328.8	192.4	84.5	181.3	Hong Kong	11	32	28.2	7.6	20.1
1984	384.4	220.1	97.8	233.7	France	15	41	28.0	5.9	15.3
1985	440.8	247.4	108.8	236.7	Switzerland	7	16	24.2	5.5	9.8
1986	524.3	276.9	128.0	278.2	West Germany	13	22	11.6	2.5	7.0
1987	582.6	310.9	147.9	316.1	Israel	4	22	10.0	3.1	8.5
					Netherlands	4	17	8.3	2.4	4.4
SHARE ¹										
1975	5.3	5.7	10.4	2.9						
1980	11.9	13.4	18.2	6.6						
1985	16.1	15.4	22.5	12.1						
1987	19.0	19.0	26.4	14.1						

¹ Percent of "domestically owned" commercial banks plus U.S. offices of foreign banks. ² As of June 30 includes other countries not shown separately. Source: *American Banker*, New York, NY, selected issues.
Source: Except as noted, Board of Governors of the Federal Reserve System, unpublished data.

No. 801. 500 LARGEST BANKS IN THE WORLD—NUMBER AND DEPOSITS, BY LOCATION OF BANK: 1970 TO 1987

[Deposits in billions of dollars, except percent. Data cover U.S. commercial banks and foreign banks that conduct a commercial banking business, beginning 1983, includes U.S. and foreign savings banks. Beginning 1981, covers top 500 banks in assets available. Number of banks includes banks more than 50 percent owned by other banks. To avoid double-counting of deposits, banks more than 50 percent owned by other banks are excluded from deposit totals if their parent bank consolidates their deposits]

LOCATION OF BANK	1970	1975	1980	1981	1985	1986	1987	1988	1989	1990	PERCENT			
											1975	1980	1987	
NUMBER														
U.S. banks	185	137	93	97	97	102	115	110	102	80	37.0	18.6	18.0	
Foreign banks	315	389	407	408	403	389	385	389	389	410	63.0	81.4	82.0	
DEPOSITS														
Total	886	2,176	4,884	5,213	5,230	5,683	5,854	7,022	8,220	12,080	100.0	100.0	100.0	
U.S. banks	298	484	754	906	794	882	961	1,014	1,084	1,108	33.3	15.1	9.2	
Foreign banks	584	1,682	4,240	4,407	4,436	4,801	4,893	6,008	7,136	10,982	66.7	84.9	90.8	

Source: *American Banker*, New York, NY, selected July issues.

NO. 802. FOREIGN BRANCHES OF U.S. FEDERAL RESERVE MEMBER BANKS—NUMBER AND ASSETS: 1970 TO 1987

[As of year end. The foreign branch activities of nonmember banks are not significant]

Item	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987, prel.
Member banks operating foreign branches.....	Number	76	125	150	155	152	153	153	142	151	153
Foreign branches.....	Number	532	752	787	841	900	905	905	916	898	902
Assets of foreign branches ^{1 2}	Bl. dol.	50	145	211	343	341	341	291	290	295	300
Percent of total assets of all insured commercial banks ³	Percent	7.9	13.1	16.3	16.1	14.2	11.9	10.3	9.8	8.0	8.1
Assets of branches in United Kingdom ¹	Bl. dol.	24	57	107	112	111	132	87	94	82	85
Assets of branches in The Bahamas and Cayman Islands ¹	Bl. dol.	4	37	68	105	101	197	46	77	52	66

¹ Data exclude claims on other foreign branches of the same bank. ² Includes assets of foreign branches in countries in addition to those shown separately. ³ Percentages reflect adjustments to exclude foreign branch claims on the U.S. offices of their parent banks.

Source: Board of Governors of the Federal Reserve System, unpublished data.

NO. 803. FOREIGN LENDING BY LARGE U.S. BANKS, BY MATURITY, TYPE OF BORROWER, AND COUNTRY: 1987

[In millions of dollars, except percent. As of December. Covers 184 U.S. banking organizations which do nearly all of the foreign lending in the country. Data represent claims on foreign residents and institutions held at all domestic and foreign offices of covered banks. Data cover only cross-border and non-local currency lending. These result from a U.S. bank's office in one country lending to residents of another country or lending in a currency other than that of the borrower's country. Excludes local currency loans and other claims and local currency liabilities held by banks' foreign offices on residents of the country in which the office was located (e.g. Deutsche mark loans to German residents booked at the German branch of the reporting U.S. bank)]

COUNTRY	CLAIMS		Bank borrowers	Public borrowers	COUNTRY	CLAIMS		Bank borrowers	Public borrowers
	Total ¹	Percent short-term ²				Total ¹	Percent short-term ²		
Total ³	267,212	87	129,481	78,987	Italy.....	5,888	78	4,351	1,056
Algeria.....	811	31	405	335	Japan.....	21,732	68	18,210	391
Argentina.....	8,812	36	942	6,364	Mexico.....	22,722	25	2,825	15,802
Australia.....	3,111	71	848	205	Morocco.....	820	56	286	520
Austria.....	1,306	87	1,017	231	Netherlands.....	3,054	74	1,581	385
Bahamas, The.....	4,144	91	3,889	7	New Zealand.....	988	50	229	184
Belgium-Luxembourg.....	9,098	94	7,733	433	Nigeria.....	901	58	182	678
Brazil.....	21,275	80	4,271	14,151	Norway.....	2,086	56	883	102
British West Indies.....	10,070	66	8,858	82	Panama.....	1,358	64	380	432
Canada.....	8,330	64	3,572	767	Peru.....	801	85	132	685
Chile.....	5,908	42	1,405	4,133	Philippines.....	4,674	36	479	2,146
China.....	4,755	94	2,570	227	Singapore.....	5,736	94	4,778	58
Colombia.....	2,088	35	883	1,159	South Africa.....	2,888	59	1,918	537
Denmark.....	2,294	72	1,044	533	South Korea.....	3,849	76	1,470	528
Ecuador.....	1,819	46	37	1,797	Spain.....	2,884	62	1,284	477
Finland.....	1,179	82	867	120	Sweden.....	2,274	87	1,542	311
France.....	9,330	83	7,112	1,309	Switzerland.....	4,654	87	2,521	28
Greece.....	1,951	41	80	685	Thailand.....	815	80	484	44
Hong Kong.....	8,251	80	6,024	68	Turkey.....	2,105	94	548	1,389
India.....	989	66	424	315	United Kingdom.....	36,248	80	27,320	375
Indonesia.....	1,522	57	55	534	Uruguay.....	840	28	25	836
Ireland.....	903	38	200	270	Venezuela.....	8,320	30	1,280	5,808
Israel.....	1,011	64	812	227	West Germany.....	5,124	54	1,886	1,820
					Yugoslavia.....	1,915	34	313	1,571

¹ Includes private nonbank borrowers, not shown separately. ² Maturity, one year or less. ³ Includes countries not shown separately.

Source: Board of Governors of the Federal Reserve System, Federal Financial Institutions Examination Council, statistical release.

NO. 804. FEDERAL AND STATE-CHARTERED CREDIT UNIONS—SUMMARY: 1970 TO 1987

[As of December 31. Federal data include District of Columbia, Puerto Rico, Canal Zone, Guam, and Virgin Islands. Beginning 1984, excludes State-insured and non-insured State-chartered credit unions and corporate central credit unions which have mainly other credit unions as members. See also *Historical Statistics, Colonial Times to 1870*, series X 884-878]

YEAR	OPERATING CREDIT UNIONS		MEMBERS (1,000)		ASSETS (mil. dol.)		LOANS OUTSTANDING (mil. dol.)		SAVINGS (mil. dol.)	
	Federal	State	Federal	State	Federal	State	Federal	State	Federal	State
1970.....	12,877	10,579	11,859	10,853	8,861	8,089	6,888	7,137	7,629	7,867
1975.....	12,737	9,971	17,098	14,188	20,309	17,804	14,889	13,300	17,880	16,822
1980.....	12,440	9,025	24,519	18,335	40,082	33,143	28,350	22,823	28,283	25,480
1984.....	10,548	4,845	28,170	15,205	63,657	23,189	42,132	18,851	67,827	25,227
1986.....	10,125	4,820	29,578	16,888	78,305	41,525	48,341	28,188	71,818	37,817
1988.....	9,758	4,936	31,046	17,393	85,484	52,244	65,305	30,834	87,804	48,097
1987.....	8,401	4,894	32,057	17,383	105,190	58,872	84,104	35,438	86,346	52,083

Source: National Credit Union Administration, Annual Report of the National Credit Union Administration, and unpublished data.

No. 885. Savings Institutions—Financial Summary by Type: 1970 to 1987

In billions of dollars, except number of institutions. As of December 31. Includes Puerto Rico, Guam, and Virgin Islands. FSIC—Federal Savings and Loan Insurance Corporation. FDIC—Federal Deposit Insurance Corporation. See also *National Statistics, Current News & 1970*, series X 694-694.

TYPE OF INSTITUTION	1970	1975	1980	1982	1983	1984	1985	1986	1987
NUMBER OF INSTITUTIONS									
Savings institutions, total	6,188	5,486	5,074	4,546	4,286	3,576	3,046	2,576	2,088
Savings and loan associations	5,388	4,681	4,013	3,686	3,382	2,888	2,487	2,076	1,688
FSIC-insured	4,386	4,076	4,000	3,343	3,048	2,688	2,387	2,012	1,648
State insured and non-insured	1,002	605	611	463	482	488	289	267	261
Savings banks	488	475	463	433	524	586	743	891	988
FSIC-insured	0	0	3	6	143	188	288	438	488
FDIC-insured	388	388	388	388	388	388	388	482	484
Federally chartered	0	0	0	0	16	24	28	27	28
State chartered	388	388	388	315	276	267	384	456	482
State insured and non-insured	185	147	137	188	97	98	12	-	-
FSIC-insured institutions	4,386	4,076	4,000	3,343	3,183	3,136	2,846	2,381	2,147
FDIC-insured institutions	388	388	388	315	284	281	382	482	484
State insured and non-insured	1,400	1,000	746	586	388	351	388	267	261
ASSETS									
Savings institutions, total	286.3	488.4	786.6	888.2	1,084.8	1,388.1	1,546.4	1,688.7	1,888.4
Savings and loan associations	178.1	328.3	488.8	707.8	778.4	988.5	948.8	888.3	877.2
FSIC-insured	170.8	328.3	418.5	682.7	754.2	888.0	888.1	882.8	888.6
State insured and non-insured	5.5	8.0	11.2	15.1	18.2	23.5	10.7	6.7	16.6
Savings banks	78.2	121.1	188.8	184.4	288.8	384.6	388.6	488.4	548.2
FSIC-insured	0	0	2.2	6.9	85.0	88.4	131.8	210.3	284.3
FDIC-insured	68.7	107.3	182.6	185.3	178.7	178.1	288.4	280.1	281.9
Federally chartered	0	0	0	0	38.7	43.6	48.8	52.4	44.8
State chartered	68.7	107.3	182.6	185.3	134.0	138.6	187.4	187.7	217.1
State insured and non-insured	10.5	13.8	12.0	22.2	24.9	27.1	28.8	-	-
FSIC-insured institutions	170.8	328.3	418.5	682.7	618.2	678.5	1,088.4	1,188.6	1,288.9
FDIC-insured institutions	68.7	107.3	182.6	185.3	178.7	178.1	288.4	280.1	281.9
State insured and non-insured	16.0	21.8	23.2	37.3	44.1	50.6	48.3	6.7	10.8
MORTGAGE LOANS OUTSTANDING¹									
Savings institutions, total	286.2	386.8	688.7	884.6	888.7	717.8	777.8	888.7	888.6
Savings and loan associations	180.3	278.8	508.8	488.6	484.8	588.3	583.2	588.8	538.8
FSIC-insured	148.0	272.5	484.2	473.7	482.6	541.6	578.8	548.8	538.0
State insured and non-insured	4.8	6.1	8.0	10.0	12.2	12.7	6.9	6.3	6.8
Savings banks	57.8	77.2	108.8	100.8	138.8	188.8	184.4	244.8	288.7
FSIC-insured	0	0	7	3.4	38.7	88.8	73.0	113.3	188.1
FDIC-insured	50.7	68.4	91.8	85.1	87.8	82.1	108.1	131.8	143.6
Federally chartered	0	0	0	0	18.8	32.2	34.3	26.8	34.2
State chartered	50.7	68.4	91.8	85.1	67.8	68.8	81.8	108.7	118.4
State insured and non-insured	7.2	8.9	8.3	12.4	12.7	13.8	18.3	-	-
FSIC-insured institutions	148.0	272.5	484.8	477.0	581.3	688.0	648.8	682.8	688.1
FDIC-insured institutions	50.7	68.4	91.8	85.1	87.8	82.1	108.1	131.8	143.6
State insured and non-insured	11.8	15.0	26.0	22.4	24.8	27.3	22.2	6.3	6.8
DEPOSITS									
Savings institutions, total	218.8	388.4	678.8	733.2	888.7	988.8	1,088.3	1,088.8	1,148.8
Savings and loan associations	146.7	285.7	511.0	588.0	684.5	728.0	780.1	741.8	737.3
FSIC-insured	141.7	278.8	501.2	584.8	617.8	705.2	740.6	732.8	729.4
State insured and non-insured	5.0	7.0	9.8	13.4	16.8	18.8	8.8	8.6	7.8
Savings banks	72.1	110.8	162.5	165.2	228.3	263.8	308.2	268.5	407.7
FSIC-insured	0	0	1.9	5.9	52.2	78.8	103.5	157.7	203.2
FDIC-insured	62.7	98.1	148.9	138.5	188.8	188.8	178.8	188.8	204.5
Federally chartered	0	0	0	0	38.0	38.3	38.8	38.3	30.7
State chartered	62.7	98.1	148.9	138.5	120.8	121.5	138.8	158.5	173.8
State insured and non-insured	8.4	12.8	10.7	18.8	22.3	24.1	28.1	-	-
FSIC-insured institutions	141.7	278.8	508.2	580.5	671.0	784.7	843.8	880.8	932.8
FDIC-insured institutions	62.7	98.1	148.9	138.5	153.8	188.8	178.8	188.8	204.5
State insured and non-insured	14.4	19.5	21.1	33.2	38.8	44.0	35.7	8.6	7.8

- Represents zero. X Not applicable. ¹ Beginning 1982, reflects deductions from asset accounts.

Source: U.S. Federal Home Loan Bank Board, Washington, DC, *Savings and Home Financing Source Book*, annual, and unpublished data.

NO. 806. SAVINGS INSTITUTIONS (FSLIC-INSURED)—SELECTED FINANCIAL ITEMS AND RATIOS OF CONDITION: 1970 TO 1987

[As of Dec. 31 for assets, liabilities and net worth; calendar year for other items. Includes Puerto Rico, Guam, and Virgin Islands. FSLIC—Federal Savings and Loan Insurance Corporation. Beginning 1983, includes FSLIC-insured savings and loan associations which changed to FSLIC-insured savings banks. Minus sign (—) indicates either loss or outflow]

ITEM	Unit	1970	1975	1980	1985	1983	1984	1985	1986	1987
Assets¹	BL dol	170.6	330.3	680.6	696.8	619.2	978.6	1,066.4	1,163.9	1,250.9
Mortgage assets ²	BL dol	146.0	272.6	494.9	477.9	521.3	599.0	649.8	692.9	699.1
Mortgage-backed securities	BL dol	(na)	(na)	27.8	62.8	90.8	108.2	110.7	108.2	201.8
Cash and securities	BL dol	18.6	29.9	57.9	54.4	102.9	135.6	143.1	160.0	170.1
Liabilities¹	BL dol	166.7	311.1	686.0	673.6	796.2	940.8	1,022.6	1,111.6	1,204.6
Deposit accounts	BL dol	141.7	278.6	603.2	590.9	671.0	794.7	843.9	900.6	932.6
FHLB advances	BL dol	16.6	17.5	47.0	33.8	41.3	68.4	64.4	100.0	116.4
Other borrowed money	BL dol	.8	3.0	17.2	25.7	33.0	37.9	72.2	90.9	133.6
Net worth	BL dol	11.9	19.2	32.6	25.7	33.0	37.9	46.0	52.3	46.4
Net worth to total assets ratio	Ratio	7.0	5.8	5.2	3.7	4.9	3.9	4.4	4.5	3.7
Operating income³	BL dol	10.7	22.7	66.1	71.5	60.0	100.6	110.6	110.8	167.5
Operating expenses ³	BL dol	1.9	3.9	7.9	10.1	12.3	15.3	19.5	22.9	24.3
Interest on savings deposits ³	BL dol	8.9	18.0	41.6	58.8	58.3	71.5	73.5	68.0	62.4
Interest on borrowed money ³	BL dol	.9	1.6	5.9	11.7	8.4	12.6	14.1	15.4	17.9
Net income before taxes ³	BL dol	1.2	2.1	1.2	-5.9	2.6	1.9	6.0	3.3	-4.1
Net income after taxes ³	BL dol	.9	1.4	.8	-4.3	2.0	1.1	3.9	.1	-6.9
Net deposit gain	BL dol	10.6	42.1	41.0	37.3	110.2	111.2	54.9	65.1	46.8
Net new deposits received	BL dol	6.3	29.3	10.7	-8.4	63.2	66.9	-1.6	3.2	-1.8
Mortgage loans closed⁴	BL dol	(na)	(na)	65.2	60.8	151.1	161.3	199.7	264.9	263.4
Purchase of 1-to-4 family homes	BL dol	(na)	(na)	60.0	34.2	53.8	66.7	107.6	170.6	173.1
Average cost of funds	Percent	6.30	6.32	6.94	11.39	9.69	10.03	9.30	9.08	7.80
Average effective dividend rate paid	Percent	5.14	5.21	6.76	11.19	9.71	9.89	9.09	7.84	6.32
Average interest return on mortgages	Percent	6.66	7.71	9.34	10.66	11.17	11.66	11.63	10.66	9.70
Net after taxes income to average assets	Percent	.67	.47	.13	-.66	.27	.13	.36	.03	-.66

NA Not available. ¹ Includes other items, not shown separately. ² Beginning 1982, reflects deductions from asset accounts. ³ Source: United States League of Savings Institutions, Washington, DC, *Savings Institutions Sourcebook*, annual. ⁴ Reported on a gross basis including refinancing and combination construction-purchase loan.

Source: Except as noted, U.S. Federal Home Loan Bank Board, *Savings and Home Financing Source Book*, annual.

NO. 807. SAVINGS INSTITUTIONS (FSLIC-INSURED)—SELECTED FINANCIAL ITEMS, STATES AND OTHER AREAS: 1987

[In billions of dollars, except number of institutions. As of December 31. Covers savings and loan associations and savings banks]

DIVISION AND STATE	NUMBER OF INSTITUTIONS		Assets	Deposits	DIVISION AND STATE	NUMBER OF INSTITUTIONS		Assets	Deposits	DIVISION AND STATE	NUMBER OF INSTITUTIONS		Assets	Deposits
	Total	Insolvent				Total	Insolvent				Total	Insolvent		
Total	3,147	346	1,250.9	932.6	W. No. Cent.	369	31	66.5	61.5	W. So.	466	186	132.1	112.9
U.S.	3,134	346	1,244.6	926.6	AR	37	12	8.6	5.7	LA	96	18	15.6	12.9
M. Eng.	97	1	36.3	29.8	IA	61	4	24.0	18.7	OK	59	18	10.1	6.5
ME	15	-	1.5	1.2	ND	6	-	4.2	2.5	TX	279	110	98.6	86.3
NH	12	-	2.0	1.6	SD	12	1	1.4	1.3					
VT	4	-	5	.4	NE	23	4	11.4	7.4	MT	130	18	69.6	42.3
MA	34	-	9.4	6.6	KS	56	6	30.5	13.3	ID	7	1	.9	.7
RI	4	-	4.1	2.7						WY	11	2	1.2	1.1
CT	26	1	12.7	8.4	So. Atl.	369	32	162.9	146.3	CO	36	6	14.7	10.7
Mid. Atl.	362	8	161.6	117.1	DE	4	-	4	.3	NM	25	5	6.0	4.6
NY	66	-	66.6	43.4	MD	68	2	21.0	16.4	AZ	12	1	24.1	18.8
NJ	137	7	63.1	40.8	DC	8	-	4.4	2.8	UT	13	2	7.1	4.6
PA	169	1	42.7	32.8	VA	66	6	25.8	19.4	NV	5	-	4.6	2.8
					WV	18	2	2.0	1.8					
E. No. Cent.	728	46	199.9	145.6	NC	137	1	20.2	16.8	Pac.	276	36	376.4	362.9
OH	224	8	62.8	43.4	SC	49	-	10.8	8.6	WA	39	4	17.5	11.7
IN	112	10	13.7	11.7	GA	66	4	16.2	13.7	OR	19	5	8.5	6.5
IL	264	23	69.6	56.2	FL	146	17	90.1	60.5	CA	206	29	346.3	236.8
MI	51	5	37.2	21.2						AK	3	-	.5	.4
WI	75	2	16.4	14.1	E. So. Cent.	369	17	33.1	26.7	HI	6	-	6.6	3.6
					KY	67	3	7.6	6.3					
					TN	63	6	11.6	9.2	PR	10	-	6.2	3.7
					AL	36	3	9.0	6.9	GU	2	-	.1	.1
					MS	42	5	5.1	4.2	VI	1	-	(2)	(2)

- Represents zero. Z Less than \$50 million.

Source: U.S. Federal Home Loan Bank Board, *Savings and Home Financing Source Book*, annual.

NO. 803. MORTGAGE DEBT OUTSTANDING, BY TYPE OF PROPERTY AND HOLDER: 1970 TO 1987

[In billions of dollars. As of Dec. 31. Includes Puerto Rico and Guam. See also *Historical Statistics, Colonial Times to 1970*, series N 273 and N 276]

TYPE OF PROPERTY AND HOLDER	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
Mortgage debt, total	474	762	1,327	1,467	1,563	1,632	1,818	2,036	2,266	2,500	2,666
Residential nonfarm	358	583	1,005	1,106	1,180	1,220	1,351	1,504	1,681	1,915	2,162
1- to 4-family homes	297	482	871	964	1,038	1,074	1,190	1,319	1,467	1,688	1,888
Savings institutions	167	274	480	487	501	458	482	529	554	558	598
Mortgage pools or trusts ¹	3	26	101	122	142	193	259	304	383	520	654
Government National Mortgage Assoc.	(2)	18	74	82	103	116	158	176	207	257	310
Federal Home Loan Mortgage Corp.	-	1	12	13	20	43	97	70	100	167	206
Commercial banks	43	77	149	180	170	174	183	196	213	236	275
Individuals and others ²	40	44	79	101	122	136	144	154	168	181	183
Federal and related agencies	22	36	53	61	68	78	87	98	110	127	124
Federal National Mortgage Assoc.	15	26	46	52	58	67	73	82	92	91	90
Finance companies	1	4	11	14	17	19	21	24	29	34	40
Life insurance companies	27	16	16	18	17	17	15	14	12	13	13
5 or more units	60	101	136	142	142	146	161	186	214	247	274
Commercial	66	169	236	256	278	302	352	419	482	557	656
Farm	50	110	186	195	205	210	215	213	205	197	200
TYPE OF HOLDER											
Savings institutions	208	356	575	603	620	578	627	710	781	777	856
Commercial banks	73	136	246	283	284	301	331	379	429	509	581
Life insurance companies	74	89	118	131	138	142	151	157	172	194	212
Finance companies	1	4	11	14	17	19	21	24	29	34	40
Individuals and others ²	79	109	162	180	216	236	253	274	297	336	345
Mortgage pools or trusts¹	5	34	119	142	163	217	285	332	415	532	670
Government National Mortgage Assoc.	(2)	18	76	84	106	119	160	180	212	283	318
Federal Home Loan Mortgage Corp.	-	2	15	17	20	43	96	71	100	171	213
Federal National Mortgage Association	-	-	-	-	1	14	25	38	55	97	140
Farmers Home Administration ³	4	14	28	32	37	40	42	45	46	(2)	(2)
Federal and related agencies	34	67	97	115	126	139	148	159	167	204	183
Federal National Mortgage Association	16	32	61	67	61	72	79	86	96	98	87
Farmers Home Administration ³	2	1	1	3	2	2	2	1	1	48	43
Federal Land Banks	7	17	31	38	47	51	52	52	47	40	34
Federal Home Loan Mortgage Corp.	(2)	5	4	5	5	5	6	10	14	12	13
Federal Housing and Veterans Admin.	4	5	6	6	6	6	5	5	5	5	6
Government National Mortgage Assoc.	5	7	8	5	5	4	3	2	1	1	(2)

- Represents zero. Z Less than \$500 million. ¹ Outstanding principal balances of mortgage pools backing securities insured or guaranteed by the agency indicated. ² Includes mortgage companies, real estate investment trusts, state and local retirement funds, noninsured pension funds, credit unions, and other U.S. agencies. ³ FmHA-guaranteed securities sold to the Federal Financing Bank were reallocated from FmHA mortgage pools to FmHA mortgage holdings in 1985 because of accounting changes by the Farmers Home Administration.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

NO. 806. HOLDINGS OF CONSTRUCTION, LONG-TERM MORTGAGE, AND LAND LOANS, BY TYPE OF LOAN, 1970 TO 1987, AND BY LENDER, 1987

[In billions of dollars. As of end of year]

TYPE OF LOAN	1970	1975	1980	1984	1985	1986	1987						
							Total ¹	Lender					Mortgage pools
								Savings and loan assn.	Commercial banks	Mutual savings banks	Life insurance companies	Federal credit agencies	
Mortgage credits, total	422	731	1,318	1,867	2,069	2,379	2,663	731	983	110	200	165	688
Construction loans	16	41	63	146	162	173	196	53	120	6	1	1	-
1-4 unit family homes	5	13	26	39	34	36	30	18	17	2	-	1	-
Multifamily residential	6	12	14	26	28	37	42	15	16	3	(2)	1	-
Nonresidential	7	17	22	81	80	100	115	18	87	3	1	-	-
Farm properties	(2)	-	-	-	-	-	-	-	-	-	-	-	-
Long-term mortgage loans	400	679	1,242	1,711	1,872	2,180	2,444	650	436	111	200	164	688
1-4 unit family homes	267	436	867	1,183	1,264	1,507	1,712	477	246	76	13	108	654
FHA insured	62	68	106	153	176	221	246	4	9	5	2	10	204
VA guaranteed	37	57	91	120	127	136	139	8	5	5	1	4	111
Conventional	168	310	661	908	961	1,151	1,327	465	234	66	10	94	348
Multifamily	48	62	114	146	161	180	207	71	17	13	22	26	15
Nonresidential	68	128	205	269	339	363	406	102	159	19	183	6	(2)
Farm properties	20	34	66	84	78	70	58	-	14	-	10	24	9
Land loans	4	11	13	29	38	40	54	28	25	1	1	-	-

- Represents zero. Z Less than \$500 million. ¹ Includes other lenders not shown separately.

Source: U.S. Dept. of Housing and Urban Development, *The Supply of Mortgage Credit, 1970-1972*; and monthly and quarterly press releases based on Survey of Mortgage Lending Activity.

NO. 810. MORTGAGE ACTIVITY BY LENDER: 1970 TO 1987

(In billions of dollars. Loans outstanding are as of end of year. Bank and savings and loan data include Puerto Rico. See also *Historical Statistics, Colonial Times to 1870*, series N 256-257, X 636-638, and X 911)

ITEM	1970	1975	1979	1980	1981	1982	1985	1984	1985	1986	1987
Savings and loan associations:											
Loans acquired ¹	22.0	58.3	104.8	81.7	88.5	87.2	148.9	184.2	210.6	289.6	275.0
Loans outstanding ²	150.9	278.8	475.6	502.8	517.9	482.2	512.9	641.4	659.2	667.0	731.3
FHA-insured	10.2	18.5	13.0	12.8	12.0	12.1	12.8	12.3	11.1	8.8	5.0
VA-guaranteed	8.5	14.0	15.6	15.0	14.2	14.0	15.5	15.0	13.7	11.1	7.6
Conventional	131.7	248.0	447.2	475.0	481.7	466.1	484.6	614.1	633.4	647.1	716.6
Commercial banks: ⁴											
Loans outstanding	73.3	136.2	243.8	282.3	282.7	289.0	328.0	374.6	425.3	467.9	582.5
Nonfarm residential	45.6	82.8	155.1	170.2	161.7	185.5	199.2	212.9	229.2	259.7	297.1
FHA-insured	7.9	6.3	4.8	4.4	4.5	4.6	5.6	5.5	5.7	7.0	8.8
VA-guaranteed	2.6	3.1	2.7	2.4	2.4	2.7	3.1	3.0	3.3	4.1	5.3
Conventional	35.1	73.5	150.6	163.3	174.7	178.2	187.5	204.1	220.2	248.6	283.0
Other nonfarm	23.3	48.9	77.1	88.5	82.7	105.1	122.4	151.3	164.8	185.4	270.9
Farm	4.4	6.4	6.6	8.5	8.3	8.4	9.3	10.5	11.4	12.9	14.5
Life insurance companies:											
Loans acquired ¹	6.6	8.8	19.6	18.3	19.0	10.0	18.8	19.2	31.7	40.6	38.5
Nonfarm	6.3	7.7	18.5	16.5	11.8	9.3	17.8	18.2	30.6	39.4	36.5
Farm	.3	1.1	2.9	1.8	1.2	.7	1.2	1.0	1.1	1.2	1.0
Loans outstanding	74.4	89.2	115.1	127.9	135.5	136.5	148.4	154.5	167.9	180.4	209.3
Nonfarm	66.7	82.4	109.0	115.0	122.5	128.7	135.7	142.1	158.1	170.4	199.4
FHA-insured	11.4	7.9	5.9	5.5	5.1	4.6	4.4	4.1	3.2	2.7	2.1
VA-guaranteed	5.4	3.9	3.0	2.9	2.6	2.5	2.3	2.0	1.5	1.2	1.0
Conventional	51.9	70.6	94.2	108.7	114.8	118.4	129.0	136.0	151.4	175.5	195.3
Farm	5.6	5.8	12.2	12.4	13.1	12.8	12.7	12.4	11.8	11.0	9.9

¹ Mortgage loans on all types of property acquired either by origination or purchase. Long term loans only, excluding construction and land loans. ² Includes Guam. ³ Includes shares pledged against mortgage loans, junior loans and real estate sold on contract. ⁴ Includes loans held by nondeposit trust companies; excludes holdings of trust departments of commercial banks.

Source: U.S. Dept. of Housing and Urban Development, *The Supply of Mortgage Credit, 1970-1979*; and monthly and quarterly press releases based on the Survey of Mortgage Lending Activity.

NO. 811. PURCHASES AND SALES OF MORTGAGE LOANS, BY LENDER: 1970 TO 1987

(In billions of dollars. Covers all types of property)

LENDER	PURCHASES					SALES				
	1970	1980	1981	1982	1987	1979	1980	1981	1982	1987
Total	18.4	78.1	257.7	487.8	482.3	18.9	77.1	224.3	418.5	385.3
Savings associations ¹	5.7	13.2	65.0	71.3	64.6	1.0	16.1	103.2	164.6	123.6
Savings banks	1.6	1.2	2.9	3.4	3.5	.3	.8	6.0	13.0	12.9
Commercial banks	.8	4.9	12.0	42.8	58.2	2.0	8.4	19.2	40.1	52.0
Mortgage companies	.1	3.4	20.9	55.2	50.1	12.5	37.0	78.0	181.2	188.5
Federal credit agencies	6.7	18.3	33.0	39.5	25.2	2.6	10.5	8.0	15.9	7.2
Mortgage pools	2.7	29.4	114.3	260.4	230.6	.3	4.1	5.5	1.4	.3
Other	1.8	9.7	9.6	25.3	30.2	.3	3	4.4	2.3	2.3

¹ Includes Federal savings banks insured by the Federal Savings and Loan Insurance Corporation.

Source: United States League of Savings Institutions, Washington, DC, *Savings Institutions Sourcebook*, annual. Data from U.S. Department of Housing and Urban Development.

NO. 812. MORTGAGE DELINQUENCY AND FORECLOSURE RATES AND PRIVATE AND GOVERNMENT MORTGAGE INSURANCE: 1970 TO 1987

(In percent, except as indicated. Covers one- to four-family residential nonfarm homes)

ITEM	1970	1975	1980	1983	1985	1986	1987
Delinquency rates: ¹							
Total	3.13	4.37	4.97	5.56	5.66	5.64	4.97
Conventional loans	1.74	2.71	3.09	3.89	3.66	4.05	3.15
VA loans	3.03	4.17	5.33	6.09	6.38	6.63	6.21
FHA loans	3.85	5.45	6.56	7.07	7.28	7.46	6.56
Foreclosure rates: ²							
Total	.33	.36	.36	.57	.73	.81	1.06
Conventional loans	.06	.16	.17	.48	.47	.61	.67
VA loans	.50	.36	.46	.76	.62	.86	1.26
FHA loans	.40	.46	.53	.84	.99	1.01	1.44
Claims paid by private mortgage insurers ³ (mil. dol.)	(NA)	(NA)	58.7	356.5	472.1	971.1	1,261.9
Mortgage insurance outstanding: ⁴							
Private (bil. dol.)	7.3	40.0	105.3	148.0	192.0	223.7	230.3
Government (bil. dol.)	87.3	127.7	195.2	248.8	265.9	298.8	328.9

NA: Not available. ¹ Number of loans delinquent 30 days or more as percentage of mortgage loans serviced in survey. Annual average quarterly figures, seasonally adjusted. ² Percentage of loans in the foreclosure process at yearend, not seasonally adjusted. ³ Source: Mortgage Insurance Companies of America, Washington, DC, unpublished data. ⁴ Source: United States League of Savings Institutions, Washington, DC, *Savings Institutions Sourcebook*, annual. ⁵ Preliminary.

Source: Except as noted, Mortgage Bankers Association of America.

Washington, DC, National Delinquency Survey, quarterly.

NO. 813. MORTGAGE AND CONSUMER DEBT OUTSTANDING—FAMILIES WITH DEBT, BY TENURE, AGE, AND FAMILY INCOME: 1983 AND 1986

[In percent. Covers families with heads 25 years old and over. Families include one-person units; for definition of family, see text, section 1. Consumer installment debt covers regularly scheduled payments on closed-end consumer credit and financed balances on credit cards. Based on a sample survey of 2,822 families residing in the contiguous United States, excluding those on military reservations. This survey reinterviewed respondents to the 1983 Survey of Consumer Finances. Data are subject to sampling variability, see source]

AGE OF FAMILY HEAD AND FAMILY INCOME	PERCENT OF ALL FAMILIES—		HOMEOWNERS WITH—					OTHERS WITH—		
	Owning homes	With consumer installment debt	Total	No debt	Consumer installment debt only	Mortgage only	Mortgage and consumer installment debt	Total	No debt	Consumer installment debt
1983, total	67.2	56.9	100.0	27.5	14.5	14.0	44.0	100.0	48.4	53.6
1986, total	70.9	59.8	100.0	26.0	15.9	13.7	44.4	100.0	48.7	54.3
25-34 years old	53.0	46.9	100.0	8.2	7.0	18.9	67.8	100.0	37.9	62.1
35-44 years old	70.7	77.2	100.0	4.2	8.5	16.3	71.1	100.0	28.6	71.5
45-54 years old	80.2	70.1	100.0	11.7	20.1	14.2	64.0	100.0	48.2	53.8
55-64 years old	78.1	53.5	100.0	31.2	24.2	13.1	31.5	100.0	64.7	45.3
65 years old and over	78.7	25.4	100.0	65.9	19.8	7.7	7.2	100.0	80.8	19.2
Less than \$10,000	56.6	33.3	100.0	56.3	34.8	9.3	9.9	100.0	66.8	31.4
\$10,000-\$19,999	59.6	51.7	100.0	38.1	16.1	13.0	29.8	100.0	42.8	57.2
\$20,000-\$34,999	70.3	69.5	100.0	17.8	15.9	12.6	53.8	100.0	30.6	69.5
\$35,000-\$49,999	64.8	76.9	100.0	11.1	14.3	11.4	62.8	100.0	28.7	73.3
\$50,000 or more	91.2	85.0	100.0	12.4	7.6	21.5	56.7	100.0	48.1	53.9

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, October 1987.

NO. 814. CONSUMER CREDIT OUTSTANDING: 1970 TO 1987

[In billions of dollars, except percent. Estimated amounts of credit outstanding as of end of year. Seasonally adjusted. See also *Historical Statistics, Colonial Times to 1870*, series X 551-600]

TYPE OF CREDIT	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Credit outstanding	151.6	204.6	263.6	308.3	347.5	348.4	386.6	381.1	430.4	511.8	582.4	646.1	685.5
Ratio to disposable personal income ¹ (percent)	18.3	17.9	19.1	19.6	20.0	19.2	17.2	16.9	17.7	19.1	20.8	21.3	21.5
Installment	103.9	167.0	221.5	262.0	296.5	297.6	310.7	323.5	367.9	442.5	517.8	571.8	613.0
Automobile paper	36.9	56.9	80.9	98.7	112.4	111.9	118.9	124.2	143.7	173.7	209.6	246.1	267.1
Revolving	4.9	14.5	36.6	45.2	53.3	54.8	60.8	66.2	78.6	100.2	122.0	136.3	159.3
Mobile home paper	2.4	15.3	16.3	16.9	16.2	18.6	20.3	22.8	23.7	25.7	26.8	26.8	25.9
All other loans	60.2	80.1	87.4	101.1	112.4	112.1	110.5	110.2	121.6	142.8	159.2	162.4	160.5
Commercial banks	45.6	62.9	112.1	135.6	152.7	145.5	146.0	149.1	169.3	206.1	241.6	262.2	281.6
Finance companies	27.2	32.7	38.3	45.7	57.1	61.9	66.7	74.9	82.9	89.5	111.0	133.7	140.1
Credit unions	12.8	25.4	37.9	43.9	48.1	43.6	45.5	46.8	52.9	65.5	71.9	76.1	81.1
Retailers ²	12.9	16.6	21.4	23.6	25.5	26.1	28.4	29.4	34.1	37.2	39.1	39.8	42.7
Other ³	2.3	9.2	12.2	13.0	14.9	20.3	20.8	23.2	28.4	41.1	53.9	60.1	67.5
Noninstallment	27.7	37.6	42.3	46.3	51.0	51.8	58.0	57.6	62.5	69.2	74.7	74.2	72.5
Single-payment loans	16.9	26.6	32.1	36.1	39.1	39.6	43.8	45.6	48.6	54.6	58.1	57.2	54.2
Charge accounts	8.7	11.0	10.2	11.2	11.8	12.1	12.1	12.0	13.8	14.6	15.8	17.0	18.2

¹ Based on fourth quarter seasonally adjusted disposable personal income at annual rates as published by the U.S. Bureau of Economic Analysis in sources listed in table 605. ² Excludes 30-day charge credit held by travel and entertainment companies.

³ Complete savings institutions and gasoline companies.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly; *Annual Statistical Digest*; and unpublished data.

NO. 810. MORTGAGE ACTIVITY BY LENDER: 1970 TO 1987

(In billions of dollars. Loans outstanding are as of end of year. Bank and savings and loan data include Puerto Rico. See also *Historical Statistics, Colonial Times to 1970*, series N 200-207, X 830-839, and X 811)

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
Savings and loan associations:											
Loans acquired ^{1 2}	22.0	58.3	104.8	51.7	58.3	67.2	148.9	194.2	210.6	289.8	275.0
Loans outstanding ³	180.3	278.6	475.8	502.8	517.9	492.2	512.9	641.4	655.2	667.0	731.3
FHA-insured	10.2	18.5	13.0	12.8	12.0	12.1	13.8	12.3	11.1	8.6	5.0
VA-guaranteed	5.5	14.0	15.6	15.0	14.2	14.9	15.5	15.0	13.7	11.1	7.8
Conventional	121.7	246.0	447.2	475.0	491.7	465.1	484.6	614.1	632.4	647.1	718.6
Commercial banks: ⁴											
Loans outstanding	73.3	138.2	243.9	282.3	292.7	298.0	325.0	374.8	425.3	467.9	562.5
Nonfarm residential	45.6	82.8	158.1	179.2	181.7	185.5	195.2	212.8	229.2	259.7	297.1
FHA-insured	7.9	6.3	4.8	4.4	4.5	4.6	5.6	5.8	5.7	7.0	8.6
VA-guaranteed	2.8	3.1	2.7	2.4	2.4	2.7	3.1	3.0	3.3	4.1	5.3
Conventional	35.1	73.5	150.6	182.3	174.7	178.2	187.5	204.1	220.2	248.6	283.0
Other nonfarm	23.3	48.0	77.1	83.3	92.7	105.1	122.4	151.3	158.8	225.4	270.9
Farm	4.4	6.4	6.6	8.5	8.3	8.4	8.3	10.5	11.4	12.9	14.5
Life insurance companies:											
Loans acquired ¹	6.9	5.9	19.8	19.3	19.0	10.0	18.3	19.2	31.7	40.6	39.5
Nonfarm	6.3	7.7	18.8	18.5	11.6	9.3	17.8	15.2	30.8	38.4	39.5
Farm	.3	1.1	2.8	1.9	1.2	.7	1.2	1.0	1.1	1.2	1.0
Loans outstanding	74.4	26.2	115.1	127.9	135.5	138.5	148.4	154.5	157.9	180.4	208.3
Nonfarm	69.7	22.4	103.0	115.0	122.5	125.7	135.7	142.1	155.1	179.4	199.4
FHA-insured	11.4	7.8	5.8	5.5	5.1	4.8	4.4	4.1	3.2	2.7	2.1
VA-guaranteed	5.4	3.9	3.0	2.8	2.9	2.5	2.3	2.0	1.5	1.2	1.0
Conventional	51.9	70.8	94.2	106.7	114.8	118.4	129.0	139.0	151.4	175.5	196.3
Farm	5.9	6.0	12.2	12.9	13.1	12.8	12.7	12.4	11.6	11.0	9.9

¹ Mortgage loans on all types of property acquired either by origination or purchase. Long term loans only, excluding construction and land loans. ² Includes Guar. ³ Includes shares pledged against mortgage loans, junior liens and real estate sold on contract. ⁴ Includes loans held by nondeposit trust companies; excludes holdings of trust departments of commercial banks.

Source: U.S. Dept. of Housing and Urban Development, *The Supply of Mortgage Credit, 1970-1978*; and monthly and quarterly press releases based on the Survey of Mortgage Lending Activity.

NO. 811. PURCHASES AND SALES OF MORTGAGE LOANS, BY LENDER: 1970 TO 1987

(In billions of dollars. Covers all types of property)

LENDER	PURCHASES					SALES				
	1970	1980	1985	1986	1987	1970	1980	1985	1986	1987
Total	16.4	72.1	257.7	487.3	462.3	16.8	77.1	224.3	418.8	386.2
Savings associations¹	3.7	13.2	65.0	71.3	64.6	1.0	16.1	103.2	164.6	123.6
Savings banks	1.8	1.2	2.9	3.4	3.5	.3	.8	6.0	13.0	12.9
Commercial banks	.8	4.9	12.0	42.8	58.2	2.0	8.4	19.2	40.1	52.6
Mortgage companies	.1	3.4	20.9	55.2	50.1	12.5	37.0	78.0	101.2	106.5
Federal credit agencies	5.7	18.3	33.0	39.5	25.2	2.8	10.5	8.0	15.9	7.2
Mortgage pools	2.7	29.4	114.3	290.4	290.8	.3	4.1	5.5	1.4	.3
Other	1.8	9.7	9.8	25.3	30.2	.3	.3	4.4	2.3	2.3

¹ Includes Federal savings banks insured by the Federal Savings and Loan Insurance Corporation.

Source: United States League of Savings Institutions, Washington, DC, *Savings Institutions Sourcebook*, annual. Data from U.S. Department of Housing and Urban Development.

NO. 812. MORTGAGE DELINQUENCY AND FORECLOSURE RATES AND PRIVATE AND GOVERNMENT MORTGAGE INSURANCE: 1970 TO 1987

(In percent, except as indicated. Covers one- to four-family residential nonfarm homes)

ITEM	1970	1975	1980	1983	1984	1985	1986	1987
Delinquency rates:¹								
Total	3.13	4.37	4.97	5.59	5.96	5.84	5.65	4.87
Conventional loans	1.74	2.71	3.06	3.88	3.85	4.05	3.80	3.15
VA loans	3.03	4.17	5.33	6.09	6.38	6.83	6.89	6.21
FHA loans	3.85	5.46	6.96	7.07	7.26	7.46	7.17	6.56
Foreclosure rates:²								
Total	.33	.36	.38	.57	.73	.51	.88	1.06
Conventional loans	.08	.16	.17	.48	.47	.51	.69	.87
VA loans	.50	.36	.46	.78	.82	.68	1.14	1.28
FHA loans	.40	.46	.53	.54	.95	1.01	1.22	1.44
Claims paid by private mortgage insurers³ (mil. dol.)	(NA)	(NA)	59.7	366.8	472.1	971.1	1,281.8	(NA)
Mortgage insurance outstanding:⁴								
Private (bil. dol.)	7.3	40.8	105.5	146.0	192.0	223.7	230.3	* 224.2
Government (bil. dol.)	87.5	127.7	195.2	248.5	296.9	296.8	328.8	(NA)

NA Not available. ¹ Number of loans delinquent 30 days or more as percentage of mortgage loans serviced in survey. Annual average quarterly figures, seasonally adjusted. ² Percentage of loans in the foreclosure process at year-end, not seasonally adjusted. ³ Source: Mortgage Insurance Companies of America, Washington, DC, unpublished data. ⁴ Source: United States League of Savings Institutions, Washington, DC, *Savings Institutions Sourcebook*, annual. * Preliminary.

Source: Except as noted, Mortgage Bankers Association of America, Washington, DC, *National Delinquency Survey*, quarterly.

NO. 813. MORTGAGE AND CONSUMER DEBT OUTSTANDING—FAMILIES WITH DEBT, BY TENURE, AGE, AND FAMILY INCOME: 1963 AND 1966

(In percent. Covers families with heads 25 years old and over. Families include one-person units; for definition of family, see text, section 1. Consumer installment debt covers regularly scheduled payments on closed-end consumer credit and financed balances on credit cards. Based on a sample survey of 2,822 families residing in the contiguous United States, excluding those on military reservations. This survey reinterviewed respondents to the 1963 Survey of Consumer Finance. Data are subject to sampling variability, see source.)

AGE OF FAMILY HEAD AND FAMILY INCOME	PERCENT OF ALL FAMILIES—		HOMEBOWNERS WITH—					OTHERS WITH—		
	Owning homes	With consumer installment debt	Total	No debt	Consumer installment debt only	Mortgage only	Mortgage and consumer installment debt	Total	No debt	Consumer installment debt
1963, total	67.2	56.9	100.0	27.5	14.5	14.0	44.0	100.0	46.4	53.6
1966, total	73.8	68.5	100.0	25.9	15.9	13.7	44.4	100.0	46.7	54.3
25-34 years old	53.0	46.9	100.0	6.2	7.0	18.9	67.9	100.0	37.9	62.1
35-44 years old	70.7	77.2	100.0	4.2	8.5	18.5	71.1	100.0	26.5	71.5
45-54 years old	80.2	70.1	100.0	11.7	20.1	14.2	54.0	100.0	48.2	53.8
55-64 years old	79.1	53.5	100.0	31.2	24.2	13.1	31.5	100.0	54.7	45.3
65 years old and over	76.7	25.4	100.0	65.3	19.6	7.7	7.2	100.0	80.8	19.2
Less than \$10,000	58.6	33.2	100.0	56.3	24.6	9.3	9.8	100.0	86.6	31.4
\$10,000-\$16,999	59.6	51.7	100.0	38.1	18.1	13.0	29.8	100.0	42.6	57.2
\$17,000-\$24,999	70.3	69.5	100.0	17.8	15.9	12.6	53.8	100.0	30.5	69.5
\$25,000-\$49,999	64.6	76.9	100.0	11.1	14.3	11.4	62.8	100.0	26.7	73.3
\$50,000 or more	81.2	65.0	100.0	12.4	7.5	21.5	58.7	100.0	48.1	53.9

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, October 1967.

NO. 814. CONSUMER CREDIT OUTSTANDING: 1970 TO 1967

(In billions of dollars, except percent. Estimated amounts of credit outstanding as of end of year. Seasonally adjusted. See also *Historical Statistics, Colonial Times to 1970*, series X 651-500.)

TYPE OF CREDIT	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Credit outstanding	131.8	204.9	263.8	306.5	347.5	348.4	368.6	381.1	430.4	511.8	602.4	646.1	686.5
Ratio to disposable personal income ¹ (percent)	16.3	17.9	19.1	19.8	20.0	18.2	17.2	16.9	17.7	19.1	20.8	21.3	21.5
Installment	103.9	167.0	221.5	262.0	296.5	297.6	310.7	323.5	367.9	442.5	517.8	571.8	613.0
Automobile paper	36.3	66.9	80.8	98.7	112.4	111.9	118.9	124.2	143.7	173.7	209.6	246.1	287.1
Revolving	4.9	14.5	36.8	45.2	53.3	54.6	60.8	66.2	76.8	100.2	122.0	136.3	150.3
Mobile home paper	2.4	16.3	16.3	18.9	18.2	18.6	20.3	22.6	23.7	25.7	26.8	26.8	25.9
All other loans	60.2	80.1	87.4	101.1	112.4	112.1	110.5	110.2	121.6	142.8	159.2	162.4	160.5
Commercial banks	48.8	62.9	112.1	136.6	152.7	145.5	146.0	149.1	169.3	206.1	241.6	262.2	281.6
Finance companies	27.2	32.7	38.3	45.7	57.1	61.9	69.7	74.9	82.9	89.5	111.0	133.7	140.1
Credit unions	12.6	25.4	37.3	43.9	46.1	43.6	46.5	46.8	52.9	65.5	71.9	76.1	81.1
Retailers ²	12.9	16.6	21.4	23.6	25.5	26.1	28.4	29.4	34.1	37.2	39.1	39.6	42.7
Other ²	2.3	9.2	12.2	13.0	14.9	20.3	20.8	23.2	26.4	41.1	53.9	60.1	67.5
Noninstallment	27.7	37.9	42.3	46.3	51.0	51.8	58.0	57.6	62.5	69.2	74.7	74.2	72.5
Single-payment loans	18.9	26.8	32.1	36.1	39.1	39.6	43.6	45.5	48.8	54.6	59.1	67.2	54.2
Charge accounts	8.7	11.0	10.2	11.2	11.8	12.1	12.1	12.0	13.6	14.6	15.6	17.0	18.2

¹ Based on fourth quarter seasonally adjusted disposable personal income at annual rates as published by the U.S. Bureau of Economic Analysis in sources listed in table 605. ² Excludes 30-day charge credit held by travel and entertainment companies.

³ Complies savings institutions and gasoline companies.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly; *Annual Statistical Digest*; and unpublished data.

NO. 810. MORTGAGE ACTIVITY BY LENDER: 1970 TO 1987

(In billions of dollars. Loans outstanding are as of end of year. Bank and savings and loan data include Puerto Rico. See also *Historical Statistics, Colonial Times to 1970*, series H 205-257, X 636-638, and X 911.)

ITEM	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Savings and loan associations:												
Loans acquired ¹	22.0	58.3	104.8	81.7	88.3	87.2	148.9	184.2	210.8	288.8	275.0	
Loans outstanding ²	180.3	273.8	475.8	502.8	517.8	492.2	512.9	541.4	558.2	557.9	731.3	
FHA-insured	10.2	18.5	13.0	12.8	12.0	12.1	12.8	12.3	11.1	8.8	8.0	
VA-guaranteed	8.5	14.0	18.8	18.0	14.2	14.0	15.6	15.0	12.7	11.1	7.8	
Conventional	131.7	248.0	447.2	478.0	491.7	466.1	484.8	514.1	533.4	547.1	718.8	
Commercial banks: ⁴												
Loans outstanding	73.9	138.2	243.4	382.2	392.7	358.0	328.0	374.8	425.2	487.9	682.5	
Nonfarm residential	45.8	82.9	155.1	170.2	181.7	185.5	185.2	212.8	229.2	259.7	297.1	
FHA-insured	7.9	8.3	4.8	4.4	4.5	4.8	5.8	5.8	5.7	7.0	8.8	
VA-guaranteed	2.8	3.1	2.7	2.4	2.4	2.7	3.1	3.0	3.3	4.1	5.3	
Conventional	35.1	73.5	150.6	163.2	174.7	178.2	187.5	204.1	220.2	248.6	283.0	
Other nonfarm	23.2	48.9	77.1	85.6	82.7	105.1	122.4	151.3	184.8	225.4	270.8	
Farm	4.4	8.4	8.8	8.6	8.3	8.4	9.3	10.5	11.4	12.6	14.5	
Life insurance companies:												
Loans acquired ¹	8.8	8.5	18.8	18.3	13.0	10.0	18.5	19.2	31.7	40.8	38.5	
Nonfarm	8.3	7.7	18.8	18.5	11.5	8.5	17.8	18.2	30.6	38.4	38.6	
Farm	.3	1.1	2.9	1.8	1.2	.7	1.2	1.0	1.1	1.2	1.0	
Loans outstanding	74.4	89.2	116.1	127.8	138.5	138.5	148.4	154.5	187.9	190.4	208.3	
Nonfarm	68.7	82.4	103.0	115.0	122.5	123.7	133.7	142.1	180.1	178.4	189.4	
FHA-insured	11.4	7.9	5.8	5.5	5.1	4.8	4.4	4.1	3.2	2.7	2.1	
VA-guaranteed	5.4	3.9	3.0	2.8	2.8	2.3	2.0	1.5	1.2	1.2	1.0	
Conventional	51.9	70.6	94.2	103.7	114.5	118.4	125.9	132.0	151.4	175.5	186.3	
Farm	6.8	8.8	12.2	12.8	12.1	12.6	12.7	12.4	11.9	11.0	8.9	

¹ Mortgage loans on all types of property acquired either by origination or purchase. Long term loans only, excluding construction and land loans. ² Includes Guam. ³ Includes shares pledged against mortgage loans, junior liens and real estate sold on contract. ⁴ Includes loans held by nondepository trust companies; excludes holdings of trust departments of commercial banks.

Source: U.S. Dept. of Housing and Urban Development, *The Supply of Mortgage Credit, 1970-1978*; and monthly and quarterly press releases based on the Survey of Mortgage Lending Activity.

NO. 811. PURCHASES AND SALES OF MORTGAGE LOANS, BY LENDER: 1970 TO 1987

(In billions of dollars. Covers all types of property)

LENDER	PURCHASES					SALES				
	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Total	16.4	78.1	257.7	487.8	483.3	12.8	77.1	224.3	418.5	385.2
Savings associations: ¹	3.7	12.2	65.0	71.3	64.6	1.0	18.1	103.2	184.6	123.8
Savings banks	1.8	1.2	2.9	3.4	3.5	.3	.8	6.0	13.0	12.9
Commercial banks	.8	4.8	12.0	42.8	58.2	2.0	8.4	19.2	40.1	52.6
Mortgage companies	.1	3.4	20.9	55.2	50.1	12.5	37.0	78.0	181.2	168.5
Federal credit agencies	5.7	18.3	39.0	39.5	25.2	2.8	10.6	8.0	15.9	7.2
Mortgage pools	2.7	28.4	114.3	260.4	230.6	.3	4.1	5.5	1.4	.3
Other	1.8	9.7	9.6	25.3	20.2	.8	.5	4.4	2.9	2.3

¹ Includes Federal savings banks insured by the Federal Savings and Loan Insurance Corporation.

Source: United States League of Savings Institutions, Washington, DC, *Savings Institutions Sourcebook*, annual. Data from U.S. Department of Housing and Urban Development.

NO. 812. MORTGAGE DELINQUENCY AND FORECLOSURE RATES AND PRIVATE AND GOVERNMENT MORTGAGE INSURANCE: 1970 TO 1987

(In percent, except as indicated. Covers one- to four-family residential nonfarm homes)

ITEM	1970	1975	1980	1983	1984	1985	1986	1987
Delinquency rates: ¹								
Total	3.13	4.37	4.97	5.59	5.05	5.84	5.95	4.97
Conventional loans	1.74	2.71	3.08	3.68	3.68	4.08	3.80	3.16
VA loans	3.03	4.17	5.23	6.08	6.38	6.69	6.88	6.21
FHA loans	3.85	5.45	6.58	7.07	7.28	7.48	7.17	6.56
Foreclosure rates: ²								
Total	.33	.36	.38	.67	.75	.81	.88	1.05
Conventional loans	.08	.16	.17	.48	.47	.51	.69	.67
VA loans	.50	.36	.46	.78	.82	.88	1.14	1.28
FHA loans	.40	.46	.53	.84	.86	1.01	1.22	1.44
Claims paid by private mortgage insurers ³ (mil. dol.)	(NA)	(NA)	68.7	358.8	472.1	671.1	1,281.9	(NA)
Mortgage insurance outstanding: ⁴								
Private (bil. dol.)	7.5	40.0	108.5	148.0	182.0	223.7	230.3	224.2
Government (bil. dol.)	97.3	187.7	185.2	248.8	208.9	288.8	288.9	(NA)

NA: Not available. ¹ Number of loans delinquent 30 days or more as percentage of mortgage loans serviced in survey. Annual average quarterly figures, seasonally adjusted. ² Percentage of loans in the foreclosure process at year-end, not seasonally adjusted. ³ Source: Mortgage Insurance Companies of America, Washington, DC, unpublished data. ⁴ Source: United States League of Savings Institutions, Washington, DC, *Savings Institutions Sourcebook*, annual. ⁵ Preliminary.

Source: Except as noted, Mortgage Bankers Association of America, Washington, DC, *National Delinquency Survey*, quarterly.

NO. 813. MORTGAGE AND CONSUMER DEBT OUTSTANDING—FAMILIES WITH DEBT, BY TENURE, AGE, AND FAMILY INCOME: 1963 AND 1966

(In percent. Covers families with heads 25 years old and over. Families include one-person units; for definition of family, see text, section 1. Consumer installment debt covers regularly scheduled payments on closed-end consumer credit and financed balances on credit cards. Based on a sample survey of 2,822 families residing in the contiguous United States, excluding those on military reservations. This survey reinterviewed respondents to the 1963 Survey of Consumer Finance. Data are subject to sampling variability, see source.)

AGE OF FAMILY HEAD AND FAMILY INCOME	PERCENT OF ALL FAMILIES—		HOMESOWNERS WITH—					OTHERS WITH—		
	Owning homes	With consumer installment debt	Total	No debt	Consumer installment debt only	Mortgage only	Mortgage and consumer installment debt	Total	No debt	Consumer installment debt
1963, total	67.2	66.9	100.0	27.5	14.5	14.0	44.0	100.0	46.4	53.6
1966, total	76.9	69.6	100.0	26.9	15.9	13.7	44.4	100.0	46.7	53.3
25-34 years old	53.0	66.9	100.0	6.2	7.0	18.9	67.9	100.0	37.9	62.1
35-44 years old	70.7	77.2	100.0	4.2	6.5	16.3	71.1	100.0	28.5	71.5
45-54 years old	80.2	70.1	100.0	11.7	20.1	14.2	64.0	100.0	46.2	53.8
55-64 years old	79.1	53.8	100.0	31.2	24.2	13.1	51.5	100.0	64.7	35.3
65 years old and over	78.7	25.4	100.0	65.5	19.6	7.7	7.2	100.0	80.6	19.2
Less than \$10,000	56.6	33.2	100.0	59.3	24.8	9.3	9.9	100.0	66.6	33.4
\$10,000-\$19,999	59.6	51.7	100.0	39.1	18.1	13.0	29.8	100.0	42.8	57.2
\$20,000-\$34,999	70.3	69.6	100.0	17.6	15.9	12.6	53.6	100.0	30.5	69.5
\$35,000-\$49,999	64.8	75.9	100.0	11.1	14.3	11.4	62.6	100.0	26.7	73.3
\$50,000 or more	91.2	65.0	100.0	12.4	7.5	21.5	68.7	100.0	46.1	53.9

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, October 1967.

NO. 814. CONSUMER CREDIT OUTSTANDING: 1970 TO 1987

(In billions of dollars, except percent. Estimated amounts of credit outstanding as of end of year. Seasonally adjusted. See also *Historical Statistics, Colonial Times to 1970*, series X 551-560.)

TYPE OF CREDIT	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Credit outstanding	131.6	254.9	293.8	309.3	347.5	549.4	596.5	591.1	436.4	511.8	592.4	646.1	695.6
Ratio to disposable personal income ¹ (percent)	19.3	17.9	19.1	19.6	20.0	18.2	17.2	16.9	17.7	19.1	20.8	21.3	21.8
Installment	100.9	167.0	221.5	262.0	296.5	297.6	310.7	323.5	367.9	442.5	517.8	571.8	613.0
Automobile paper	36.3	56.8	80.9	96.7	112.4	111.9	118.9	124.2	143.7	173.7	209.6	246.1	267.1
Revolving	4.9	14.5	36.6	45.2	53.3	54.8	60.8	66.2	78.6	100.2	122.0	138.3	159.3
Mobile home paper	2.4	15.3	16.3	16.9	16.2	16.6	20.3	22.8	23.7	25.7	26.8	26.6	25.9
All other loans	60.2	60.1	87.4	101.1	112.4	112.1	110.5	10.2	121.6	142.8	159.2	162.4	160.5
Commercial banks	48.6	82.9	112.1	136.5	152.7	145.5	146.0	149.1	169.3	209.1	241.6	262.2	281.6
Finance companies	27.2	32.7	38.3	45.7	57.1	61.9	69.7	74.9	82.9	89.5	111.0	133.7	140.1
Credit unions	12.8	25.4	37.3	43.9	46.1	43.6	45.5	46.6	52.9	65.5	71.9	76.1	61.1
Retailers ²	12.9	18.6	21.4	23.6	25.6	26.1	26.4	29.4	34.1	37.2	39.1	39.6	42.7
Other ³	2.9	9.2	12.2	13.0	14.9	20.3	20.8	23.2	28.4	41.1	53.9	60.1	67.5
Noninstallment	27.7	37.9	42.3	46.3	51.0	51.8	56.0	57.6	62.5	69.2	74.7	74.2	72.5
Single-payment loans	18.9	29.6	32.1	35.1	36.1	39.6	43.8	45.5	48.6	54.6	59.1	57.2	54.2
Charge accounts	8.7	11.0	10.2	11.2	11.9	12.1	12.1	12.0	13.8	14.6	15.6	17.0	18.2

¹ Based on fourth quarter seasonally adjusted disposable personal income at annual rates as published by the U.S. Bureau of Economic Analysis in sources listed in table 606. ² Excludes 30-day charge credit held by travel and entertainment companies.

³ Comprises savings institutions and gasoline companies.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly, *Annual Statistical Digest*, and unpublished data.

No. 815. INSTALLMENT CREDIT—FINANCE RATES ON SELECTED TYPES OF CREDIT FOR COMMERCIAL BANKS AND FINANCE COMPANIES: 1975 TO 1987

[In percent. Annual averages. Commercial bank rates are "most common" rates for direct loans with specified maturities; finance company rates are weighted averages for purchased contracts]

TYPE	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Commercial banks:												
New automobiles (48 months) ¹	11.38	10.92	11.02	12.02	14.30	16.54	16.83	13.92	13.71	12.91	11.33	10.46
Mobile homes (120 months) ¹	11.82	11.84	12.09	12.77	14.99	17.46	18.06	15.91	15.59	14.99	13.99	13.39
Other consumer goods (24 months)	13.08	12.97	13.19	13.85	15.47	18.08	18.65	16.98	16.47	15.94	14.82	14.23
Credit-card plans	17.16	16.86	17.03	17.03	17.31	17.78	18.51	18.78	18.77	18.88	18.28	17.93
Finance companies:												
New automobiles	13.12	12.14	13.15	13.51	14.82	18.17	18.16	12.58	14.62	11.98	9.44	10.73
Used automobiles	17.83	17.62	17.87	17.96	18.10	20.00	20.75	18.74	17.85	17.59	16.86	14.81

¹ For 1975-1982, maturities were 36 months for new car loans and 84 months for mobile home loans.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly; *Annual Statistical Digest*; and unpublished data.

No. 816. DELINQUENCY RATES ON BANK INSTALLMENT LOANS BY TYPE OF LOAN: 1970 TO 1987

[In percent, except as indicated. As of end of year; seasonally adjusted, except as noted. Number of loans having an installment past due for 30 days or more as a percentage of total installment loans outstanding]

TYPE OF CREDIT	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
DELINQUENCY RATES										
Closed-end installment loans, total	2.14	2.77	2.82	2.81	2.39	1.94	2.09	2.32	2.39	2.47
Personal loans ¹	2.39	3.43	3.53	3.20	3.04	2.84	3.16	3.83	3.11	3.88
Automobile, direct loans	1.43	1.54	1.81	1.80	1.86	1.53	1.47	1.84	1.80	1.69
Automobile, indirect loans	1.94	1.96	2.29	2.03	1.73	1.50	1.77	2.02	2.08	2.20
Property improvement ²	1.98	1.96	1.83	1.86	1.86	2.14	2.00	1.91	1.77	1.88
Home equity and second mortgage loans ²	(NA)	(NA)	(NA)	(NA)	(NA)	1.94	1.77	2.06	1.86	2.01
Mobile home loans	2.69	3.82	3.14	3.37	2.89	2.44	2.58	2.39	3.04	2.57
Recreational vehicle loans	(NA)	2.21	1.94	2.05	1.88	1.86	1.87	1.84	1.82	1.89
Bank card loans	(NA)	2.33	2.72	2.83	2.38	2.06	2.61	2.66	3.15	2.33
Revolving credit loans	(NA)	2.16	2.70	2.86	2.16	1.44	1.90	1.95	1.83	2.33
REPOSSESSIONS PER 1,000 LOANS OUTSTANDING										
Mobile home	3.89	2.86	1.57	1.47	1.14	1.89	1.89	1.21	2.80	1.58
Automobile, direct loans	1.82	.85	1.10	.89	.80	.70	.72	1.31	1.15	.88
Automobile, indirect loans	4.86	1.75	2.75	2.40	2.13	1.59	1.58	2.08	1.86	2.04

NA Not available. ¹ Beginning 1982, includes home appliance loans. ² Beginning 1983, own plan and FHA Title I loans.

³ Seasonally not adjusted.

Source: American Bankers Association, Washington, DC; *Consumer Credit Delinquency Bulletin*, quarterly.

No. 817. CREDIT CARDS—HOLDERS, NUMBERS, SPENDING AND DEBT: 1980 TO 1987

TYPE OF CREDIT CARD	CARDHOLDERS (mil.)			NUMBER OF CARDS (mil.)			CREDIT CARD SPENDING (bil. dol.)			CREDIT CARD DEBT (bil. dol.)		
	1980	1985	1987	1980	1985	1987	1980	1985	1987	1980	1985	1987
Total	(NA)	(NA)	¹ 107.2	(NA)	(NA)	² 841.4	205.4	322.7	374.8	81.2	128.0	182.5
Bank	63.3	73.3	79.0	110.8	181.4	204.8	52.9	125.9	166.3	25.0	65.8	91.4
Travel and entertainment	10.3	15.5	16.6	10.3	18.8	21.9	21.2	51.0	60.4	2.7	6.4	10.0
Retail store	83.0	91.0	92.8	290.5	341.0	380.8	74.4	80.0	98.8	47.3	90.5	38.4
Oil company marketers	86.6	78.0	59.9	109.8	117.0	118.8	28.9	26.8	24.1	2.2	2.7	3.2
Other ³	(NA)	(NA)	⁴ 80.0	(NA)	(NA)	⁴ 80.0	28.0	27.0	38.2	4.0	2.8	9.5

NA Not available. ¹ Cardholders may hold more than one type of card. ² Includes other types not shown separately.

³ Spending and debt data cover airline and automobile rental cards, telephone company cards and other miscellaneous credit cards. ⁴ Telephone cards.

Source: HSN Consultants Inc., Los Angeles, CA, *The Nilson Report*, monthly. (Copyright used by permission.)

Bank Accounts and Credit Cards—Checking Accounts—Bank Debits 501

NO. 818. MONTHLY USE OF BANKING ACCOUNTS, CREDIT CARDS, AND CASH: 1984 AND 1986

[In percent, except as indicated. Families include one-person units; for definition of family, see text, section 1. Based on sample surveys of 1,865 families in 1984 and 656 families in 1986 residing in the United States. Data are subject to sampling variability. See source. For definition of median, see Guide to Tabular Presentation]

ITEM	1984	1986	ITEM	1984	1986
Percent of families paying with—			MONEY ORDER		
Cash, checks and credit cards ¹	67	69	Percent of families using money orders	15	14
Cash and checks ¹	20	19	Avg. size of money order ^{4,5}	\$147	\$153
Cash and money orders	7	8	SAVINGS AND MONEY MARKET ACCOUNTS²		
Cash only	8	7	Percent of families owning these accounts	69	59
Percent of aggregate household expenditures paid with—			Median balance ^{3,4}	\$3,107	\$2,500
Checking ¹	52	48	Median number of withdrawals ⁶	1	2
Savings/money market acct. ²	10	8	Median size of withdrawals ^{4,6}	\$401	\$138
Credit cards	7	8	CREDIT CARDS		
Money orders	1	2	Percent of families—		
Cash	30	34	Owning credit cards	71	71
MAIN CHECKING ACCOUNTS			Using credit cards ⁷	78	82
Percent of families owning these accounts	67	85	Revolving credit card acct. ⁸	(NA)	49
Median account balance ^{3,4}	\$500	\$650	Median number of cards per family ⁷	4	5
Median number of checks ⁵	14	14	Transactions per family ⁹	4	5
Median size of check ^{4,5}	\$78	\$85	Median amount per transaction ^{4,9}	\$33	\$35
			Charged per family ^{4,9}	\$165	\$150

NA Not available. ¹ Checks include personal checks, bank checks, automatic payments, and electronic payments. ² Money market accounts cover money market deposit accounts and money market mutual funds. ³ For account owners. ⁴ In constant (1986) dollars. ⁵ For families using the account. Withdrawals are net of transfers, cash withdrawals, and investments. ⁶ For families using money orders. ⁷ For credit card owners. ⁸ For families who own bank or store credit cards. ⁹ For families using credit cards during the month.

NO. 819. MAIN CHECKING ACCOUNT FEATURES, ELECTRONIC FUND TRANSFERS, AND AUTOMATED TELLER MACHINES (ATM): 1986

[Percent of all checking accounts, except as indicated. See headnote, table 818]

ITEM	Percent	ITEM	Percent
Checking accounts:		Service charge:¹	
Location of checking account—		Dependent only on account balance	30
Commercial bank	67	Dependent only on number of checks	31
Savings and loan	23	Dependent on both checks and account balance	24
Credit union or brokerage house	11	Flat or dependent on other factors	16
Interest and service charge payments—		Overdraft protection	43
Account receives interest only	27	Electronic fund transfers:	
Service charges only	36	Percent of families using—	
Neither interest nor service charges	28	Direct deposit	32
Both interest and service charges	12	Automatic payment	28
Balance in account kept higher to avoid fees	48	Automated teller machines:	
Interest rate dependent on balance ¹	74	Percent of families owning ATM access card ²	46
		Percent of owners using ATM to withdraw cash	69
		Median number of ATM cash withdrawals in month ³	4

¹ For all accounts paying interest. ² For all accounts paying service charges. ³ For families owning at least one transaction account. ⁴ For families who used an ATM to withdraw cash during the month.

Source of tables 818 and 819: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, March 1987

NO. 820. BANK DEBITS AND DEPOSIT TURNOVER: 1975 TO 1987

[Debits in trillions of dollars; turnover as ratio of debits to deposits. Annual averages of monthly data]

ITEM	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Debits to—												
Demand deposits, all banks ¹	25.1	34.3	40.2	49.9	63.1	81.3	96.5	112.3	131.6	156.3	188.8	217.3
Major New York City banks	9.7	13.8	15.0	18.5	25.3	34.1	39.8	47.8	57.3	70.7	91.8	104.8
Other banks	15.4	20.5	25.2	31.3	37.9	47.2	56.7	64.7	74.2	85.6	97.1	112.7
ATS/NOW accounts ²	(NA)	(Z)	(Z)	1	2	7	10	14	1.6	1.8	2.2	2.4
Money market deposit accounts (MMDA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	.8	.9	1.2	1.6	2.0
Savings deposits ³	(NA)	3	4	.8	7	7	7	7	.4	.4	.4	.5
Deposit turnover:												
All banks ¹	106	129	139	164	200	286	343	386	441	501	557	613
Major New York City banks	306	603	543	645	816	1,118	1,354	1,522	1,840	2,200	2,500	2,677
Other banks	73	66	96	113	135	166	225	246	279	306	322	357

NA Not available. Z Less than \$50 billion. ¹ Represents accounts of individuals, partnerships, and corporations, and of States and political subdivisions at insured commercial banks. ² Accounts authorized for negotiable orders of withdrawal (NOW) and accounts authorized for automatic transfer to demand deposits (ATS). ³ Excludes ATS and NOW accounts, MMDA and special club accounts, such as Christmas and vacation clubs.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly, and *Annual Statistical Digest*

NO. 821. MONEY STOCK AND LIQUID ASSETS: 1970 TO 1986

[In billions of dollars. As of December. Seasonally adjusted averages of daily figures. See *Historical Statistics, Colonial Times to 1970*, series X 410-417 for similar data]

ITEM	1970	1975	1976	1980	1981	1982	1983	1984	1985	1986	1987	1988, Mar.
M1, total	216	306	306	412	439	476	525	582	620	728	781	786
Currency ¹	47	73	105	115	123	134	145	156	166	180	187	201
Travelers checks ²	1	2	4	4	4	4	5	5	6	7	7	7
Demand deposits ³	165	212	298	291	321	334	376	424	457	540	586	578
Other checkable deposits ⁴	(2)	1	20	31	51	105	132	146	170	225	259	287
M2, total	686	1,655	1,666	1,666	1,796	1,964	2,166	2,364	2,566	2,908	3,092	3,099
M1	216	306	306	412	439	476	525	582	620	728	781	786
Nontransaction components in M2 ⁵	470	1,349	1,360	1,254	1,357	1,488	1,641	1,782	1,946	2,180	2,311	2,313
Overnight repurchase (RP) agreements and Eurodollars ⁶	1	6	21	26	26	36	54	62	70	78	78	75
Money market funds, general purpose and broker/dealer ⁷	(2)	2	39	65	151	186	196	188	177	308	322	336
Money market deposit accounts ⁸	(2)	(2)	(2)	(2)	(2)	(2)	379	417	514	573	525	526
Commercial banks	(2)	(2)	(2)	(2)	(2)	(2)	231	257	339	380	358	361
Thrift institutions	(2)	(2)	(2)	(2)	(2)	(2)	149	148	181	193	157	164
Savings deposits	357	359	424	400	344	357	306	285	301	571	414	430
Commercial banks	189	161	186	185	159	184	135	123	125	156	179	189
Thrift institutions	168	228	238	214	185	173	172	163	177	215	238	237
Small time deposits ⁹	399	398	534	728	823	851	784	863	880	853	913	854
Commercial banks	117	142	236	285	348	380	351	385	383	365	365	368
Thrift institutions	149	196	300	442	475	471	434	477	497	488	548	500
M3, total	677	1,172	1,307	1,361	2,237	2,448	2,699	2,976	3,196	3,460	3,692	3,745
M2	686	1,655	1,666	1,666	1,796	1,964	2,166	2,364	2,566	2,908	3,092	3,099
Nontransaction components in M3 ¹⁰	46	149	306	358	441	489	506	615	623	863	780	777
Large time deposits ¹¹	46	130	223	280	303	327	327	417	436	439	485	481
Commercial banks ¹²	46	123	191	215	249	269	231	270	285	296	324	326
Thrift institutions	1	6	22	45	54	58	97	147	152	180	161	165
Term RPs and term Eurodollars ¹³	4	18	74	84	104	116	149	146	142	166	186	197
Money market funds, institution only ¹⁴	(2)	(2)	10	16	36	51	43	63	65	84	80	87
L, total	676	1,367	2,126	2,328	2,899	2,899	2,184	2,519	2,825	4,134	4,394	4,435
M3	677	1,172	1,307	1,361	2,237	2,448	2,699	2,976	3,196	3,460	3,692	3,745
Savings bonds	62	67	60	72	86	88	71	74	79	62	100	104
Short-term Treasury securities ¹⁵	49	66	109	134	149	164	212	261	301	264	267	268
Bankers' acceptances	4	10	27	32	40	45	45	46	43	39	46	41
Commercial paper ¹⁶	35	49	94	99	105	114	133	160	207	230	259	280

¹ Less than \$500 million. ² Currency outside U.S. Treasury, Federal Reserve Banks and the vaults of depository institutions. ³ Outstanding amount of nonbank issues. ⁴ At commercial banks and foreign-related institutions. ⁵ Consists of negotiable order of withdrawal (NOW) and automatic transfer service (ATS) accounts at all depository institutions, credit union share draft balances and demand deposits at thrift institutions. ⁶ This sum is seasonally adjusted as a whole. ⁷ Not seasonally adjusted. ⁸ Issued in amounts of less than \$100,000. Includes retail repurchase agreements. Excludes individual retirement accounts (IRAs) and Keogh accounts. ⁹ Issued in amounts of \$100,000 or more. Excludes those booked at international banking facilities. ¹⁰ Excludes those held by money market mutual funds, depository institutions and foreign banks and official institutions. ¹¹ Excludes those held by depository institutions and money market mutual funds. ¹² U.S. Treasury bills and coupons with remaining maturities of less than 12 months held by other than depository institutions, Federal Reserve banks, money market mutual funds and foreign entities. ¹³ Excludes commercial paper held by money market mutual funds.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly, and *Money Stock, Liquid Assets, and Debt Measures*, *Federal Reserve Statistical Release H.6*, weekly.

NO. 822. FEDERAL RESERVE BANK OF NEW YORK—DISCOUNT RATES: 1976 TO 1986

[Percent per year. Rates for short-term adjustment credit. For rates applicable to other types of discount window credit, see source. See also *Historical Statistics, Colonial Times to 1970*, series X 464-465]

EFFECTIVE DATE	Rate	EFFECTIVE DATE	Rate	EFFECTIVE DATE	Rate	EFFECTIVE DATE	Rate
1976: Jan. 18	6½%	1976: July 20	10	1981: May 5	14	1984: April 9	5
Nov. 22	5½%	Aug. 17	10½	Nov. 2	13	Nov. 21	6½
1977: Aug. 31	5½%	Sept. 19	11	Dec. 4	12	Dec. 24	6
Oct. 26	6	Oct. 6	12	1982: July 20	11½	1984: May 20	7½
1978: Jan. 9	6½%	1980: Feb. 15	13	Aug. 2	11	1986: March 7	7
May 11	7	May 30	12	Aug. 18	10½	April 21	6½
July 3	7½	June 13	11	Aug. 27	10	July 11	6
Aug. 21	7½	July 26	10	Oct. 12	8½	Aug. 12	6½
Sept. 22	6	Sept. 28	11	Nov. 22	8	1987: Sept. 4	6
Oct. 16	6½	Nov. 17	12	Dec. 15	8½		
Nov. 1	8½	Dec. 5	13			In effect, June 29, 1988	6

¹ See table 823, footnote 5.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly, and *Annual Statistical Digest*.

NO. 823. MONEY MARKET INTEREST RATES AND MORTGAGE RATES: 1970 TO 1987

[Percent per year. Annual averages of monthly data, except as indicated. See also *Historical Statistics, Colonial Times to 1970*, series X 444-483]

TYPE	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Federal funds, effective rate	7.15	8.82	7.98	11.19	13.35	16.35	12.25	8.00	10.23	6.10	5.60	6.60						
Commercial paper, 3-month ¹	(NA)	8.25	7.94	10.97	12.66	15.33	11.66	8.86	10.10	7.95	6.49	6.61						
Prime rate charged by banks	7.91	7.86	9.08	12.67	15.27	16.87	14.86	10.79	12.04	9.83	8.33	8.20						
Eurodollar deposits, 3-month	8.52	7.03	8.78	11.85	14.00	16.79	13.12	9.57	10.75	8.27	6.70	7.07						
Finance paper, 3-month ²	7.18	6.16	7.80	10.47	11.49	14.08	11.23	8.70	8.73	7.77	6.38	6.54						
Bankers' acceptances, 90-day ³	7.31	6.29	8.06	10.99	12.72	15.32	11.66	8.80	10.14	7.82	6.39	6.74						
Large negotiable certificates of deposit, 3-month, secondary market	7.36	6.44	8.22	11.22	13.07	15.91	12.27	9.07	10.37	8.05	6.52	6.86						
Federal Reserve discount rate ⁴	5½-6	6-7½	6-8½	9½-12	10-13	12-14	8½-12	8½	6-8	7½-8	5½-7½	5½-6						
U.S. Government securities: ⁵																		
3-month Treasury bill	6.38	5.78	7.19	10.07	11.43	14.03	10.81	8.81	9.52	7.48	5.96	5.77						
6-month Treasury bill	6.51	6.09	7.38	10.06	11.37	13.80	11.07	8.79	9.78	7.85	6.03	6.03						
1-year Treasury bill	6.48	6.26	7.74	9.75	10.80	13.14	11.07	8.80	9.82	7.91	6.06	6.32						
Prime 1-year municipals ⁶	4.35	3.91	4.15	5.34	6.25	7.82	7.68	5.29	6.06	5.12	4.33	4.44						
Home mortgages (HUD series ⁷):																		
FHA insured, secondary market ⁸	9.03	9.19	9.70	10.87	13.44	16.31	15.31	13.11	13.82	12.24	9.91	10.12						
Conventional, new-home ⁹ 11	8.52	9.10	9.66	11.15	13.95	16.52	15.79	13.43	13.80	12.28	10.07	10.13						
Conventional, existing-home ¹⁰	8.58	9.14	9.70	11.16	13.85	16.55	15.82	13.45	13.81	12.29	10.09	10.14						

NA Not available. ¹ Based on daily offering rates of dealers. ² Yields are quoted on a bank-discount basis, rather than an investment yield basis (which would give a higher figure). ³ Placed directly; averages of daily offering rates quoted by finance companies. ⁴ Based on the most representative daily offering rates of dealers. Beginning Aug. 15, 1974, closing rates were used, and from Jan. 1, 1981, rates of top-rated banks only. ⁵ Federal Reserve Bank of New York, low and high. The discount rates for 1980 and 1981 do not include the surcharge applied to frequent borrowings by large institutions. The surcharge reached 3 percent in 1980 and 4 percent in 1981. Surcharge was eliminated in Nov. 1981. ⁶ Averages based on daily closing bid yields in secondary market, bank discount basis. ⁷ Averages based on quotations for one day each month. Source: Salomon Brothers, Inc., New York, NY, *An Analytical Record of Yields and Yield Spreads*. ⁸ HUD—Housing and Urban Development. ⁹ Averages based on quotations for 1 day each month as compiled by FHA. ¹⁰ Primary market. ¹¹ Average contract rates on new commitments.

Source: Except as noted, Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly, and *Annual Statistical Digest*.

NO. 824. BOND AND STOCK YIELDS: 1970 TO 1987

[Percent per year. Annual averages of monthly data, except as indicated. See also *Historical Statistics, Colonial Times to 1970*, series X 474-491]

TYPE	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
U.S. Treasury, constant maturities: ¹																		
3-year	7.29	7.49	9.72	11.55	14.44	12.92	10.45	11.99	9.84	7.06	7.67							
5-year	7.36	7.77	9.62	11.46	14.24	13.01	10.80	12.24	10.13	7.31	7.94							
10-year	7.36	7.99	9.44	11.46	13.91	13.00	11.11	12.44	10.62	7.99	8.36							
U.S. Govt., long-term bonds ²	6.89	6.89	8.74	10.81	12.87	12.23	10.84	11.99	10.79	6.14	6.63							
State and local govt. bonds, Aaa ³	6.12	6.42	5.92	7.89	10.42	10.96	9.80	9.61	8.60	6.85	7.12							
State and local govt. bonds, Baa ⁴	6.75	7.62	6.73	9.02	11.78	12.48	10.17	10.36	9.68	7.75	8.17							
High-graded municipal bonds (Standard & Poor's) ⁵	6.51	8.09	6.39	8.51	11.23	11.57	9.47	10.15	9.19	7.39	7.73							
Municipal (Bond Buyer, 20 bonds)	6.36	7.08	6.52	8.59	11.33	11.98	9.51	10.10	9.11	7.32	7.85							
Corporate Aaa seasoned ⁶	8.04	8.83	8.69	11.84	14.17	13.79	12.04	12.71	11.37	9.02	9.38							
Corporate Baa seasoned ⁶	9.11	10.81	10.89	13.67	16.04	16.11	13.55	14.19	12.72	10.38	10.58							
Corporate Aaa utility bonds ⁶	6.72	9.17	8.82	12.88	15.85	14.71	12.25	13.40	11.67	9.09	8.40							
Corporate, by years to maturity: ⁷																		
5 years	6.10	7.70	9.40	12.80	13.25	13.78	9.90	10.20	10.40	7.35	6.80							
10 years	8.00	9.00	9.35	12.40	13.00	13.98	10.55	11.80	11.80	6.05	7.85							
20 years	7.80	8.35	9.08	12.30	13.00	14.00	11.00	12.80	12.50	6.50	8.00							
30 years	7.80	8.36	9.10	12.30	13.00	14.00	11.00	12.80	12.60	6.50	8.00							
Corporate (Moody's) ⁸	8.51	9.57	10.12	12.75	15.06	14.84	12.78	13.48	12.05	9.71	9.91							
Industrials (37 bonds) ⁹	8.28	9.25	9.88	12.35	14.80	14.54	12.25	13.21	11.80	9.88	9.83							
Railroads (13 bonds) ¹⁰	8.77	9.39	9.80	11.46	13.22	13.86	12.08	13.07	11.84	9.85	9.83							
Public utilities (40 bonds)	8.89	9.85	10.39	13.15	15.82	15.33	13.31	14.03	12.28	9.48	9.98							
Stocks (Standard & Poor's): ¹¹																		
Preferred (10 stocks) ¹¹	7.22	6.38	9.11	10.60	12.38	12.53	11.02	11.59	10.49	8.78	8.37							
Common: Composite (500 stocks)	3.83	4.31	5.47	5.26	5.20	5.81	4.40	4.84	4.25	3.48	3.99							
Industrials (400 stocks)	3.62	3.98	5.20	4.85	4.80	5.46	4.04	4.05	3.76	3.09	2.82							

¹ Yields on the more actively traded issues adjusted to constant maturities by the U.S. Treasury. ² Yields are based on closing bid prices quoted by at least five dealers. ³ Averages (to maturity or call) for all outstanding bonds neither due nor callable in less than 10 years, including several very low yielding "lower" bonds. ⁴ Source: Moody's Investors Service, New York, NY. ⁵ Source: Standard & Poor's Corp., New York, NY, *Standard & Poor's Outlook*, weekly. ⁶ Based on first trading day of each month, deferred call, new issue estimate. Source: Salomon Brothers, Inc., New York, NY, *An Analytical Record of Yields and Yield Spreads*. ⁷ Source: Scudder, Stevens & Clark, New York, NY, unpublished data. ⁸ The Aaa public utility average was suspended on Jan. 17, 1984 because of a lack of appropriate issues. The average corporate does not include Aaa utilities from Jan. 17 to Oct. 12. The Aaa utility average was reinstated on Oct. 12. Thirty public utility bonds were used during this period Jan. 17-Oct. 12, 1984. ⁹ Covers 40 bonds for period 1970-1983 and 38 bonds for 1984-1985. ¹⁰ Covers 23 bonds for period 1970-1981, 15 bonds for 1982, and 17 bonds for 1983. ¹¹ Yields based on 10 stocks, 4 yields. Issues converted to a price equivalent to \$100 par and a 7 percent annual dividend before averaging.

Source: Except as noted, Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

NO. 825. SELECTED TIME DEPOSITS AND OTHER ACCOUNTS AT INSURED COMMERCIAL BANKS— DEPOSITS AND INTEREST RATES: 1964 TO 1968

(Estimates based on data collected from a sample of about 500 banks)

TYPE OF DEPOSIT	AMOUNT OUTSTANDING (mil. dol.)					AVERAGE RATE PAID (percent)				
	1964, Dec.	1965, Dec.	1966, Dec.	1967, Dec.	1968, Mar.	1964, Dec.	1965, Dec.	1966, Dec.	1967, Dec.	1968, Mar.
"Super NOW" accounts ¹	34,886	44,545	164,947	174,782	178,212	7.01	5.89	5.00	4.95	4.89
Money market deposit accounts ²	271,180	330,077	379,898	363,807	367,847	8.10	6.71	5.19	5.43	5.34
Money market certificates ³										
7-31 day	5,354	5,318	6,101	7,145	6,249	8.01	6.85	5.45	5.02	5.82
32-91 day	17,953	20,988	21,801	23,308	21,851	8.07	7.18	5.82	5.28	5.03
92-182 day	165,349	147,777	131,483	132,440	129,982	6.77	7.50	5.70	6.75	6.50
183 day-1 year	59,429	65,131	72,227	66,799	103,729	9.11	7.77	5.93	7.14	6.89
1-2½ year	99,575	81,172	83,761	88,619	95,628	8.73	8.24	6.22	7.46	7.19
2½ year or more	107,119	115,355	120,899	121,325	123,323	10.16	8.73	6.81	7.86	7.57
All IRA and Keogh Plan deposits	44,033	59,362	73,127	83,241	96,039	(NA)	(NA)	(NA)	(NA)	(NA)
Retail repurchase agreements ⁴	1,229	1,234	1,062	787	999	7.46	6.77	5.37	5.46	5.47

NA Not available. ¹ Negotiable order of withdrawal accounts containing an agreement between depositor and depository such that some or all funds deposited are eligible to earn more than 5.25 percent. As of January 1, 1968 interest rate ceilings were removed from all NOW accounts. Beginning with the December 1968 data the "Super NOW" accounts category includes all NOW accounts, including those accounts which were subject to a 5.25 percent regulatory interest rate restriction prior to January 1, 1968. Estimates for NOW accounts beginning in December 1968 are based on reports of deposits. ² Deposits with no minimum balance requirement and no required minimum maturity but institutions must reserve the right to require at least seven days' notice prior to withdrawal, no restrictions on depositor eligibility, or limitations on the amount of interest that may be paid; such accounts may allow up to six transfers per month, no more than three of which may be draft and may permit unlimited withdrawals by mail, messenger, or in person. Estimates based on reports of deposits. ³ All interest-bearing time certificates and open account time deposits with balances of less than \$100,000, including those held in IRAs and Keogh Plan deposits. ⁴ Retail repurchase agreements are in denominations of less than \$100,000 with maturities of less than 90 days that arise from the transfer of direct obligations of, or obligations fully-guaranteed as to principal and interest by, the U.S. Government or an agency thereof.

Source: Board of Governors of the Federal Reserve System, *Money Stock, Liquid Assets, and Debt Measures, Federal Reserve Statistical Release H-8*, weekly.

NO. 826. SECURITY PRICES: 1970 TO 1967

(Annual averages of monthly figures, except as noted. See also *Historical Statistics, Colonial Times to 1970*, series X 402-409)

CLASS OR ITEM	1970	1979	1985	1991	1995	1999	2004	2005	2006	2007
Bond prices (dollars per \$100 bond):										
Standard & Poor's Municipal ^{1,2}	72.9	68.9	57.4	49.2	41.8	51.4	48.0	53.0	65.1	62.7
Dow Jones and Co., Inc. ³										
Yearly high	69.7	60.7	76.6	65.9	71.5	77.8	72.9	63.7	63.7	65.5
Yearly low	64.4	65.2	61.0	65.0	55.7	69.4	64.8	72.5	63.7	61.3
Stock prices:										
Standard & Poor's common index (500 stocks) (1941-43=10) ⁴	83.2	85.2	116.7	129.0	119.7	160.4	196.5	185.9	236.3	259.6
Industrial	81.3	86.6	134.5	144.2	133.8	180.5	181.3	207.8	262.2	280.5
N.Y. Stock Exchange common stock index (Dec. 31, 1886=50):										
Composite	48.7	48.7	66.1	74.0	89.9	92.8	92.5	108.1	138.0	161.7
Yearly high ⁵	52.4	51.2	61.0	79.1	92.4	99.6	99.1	121.9	145.5	155.0
Yearly low ⁶	37.7	37.1	55.3	65.0	59.8	79.8	65.1	84.5	117.3	125.9
Industrial	48.0	50.5	76.6	86.4	78.2	107.5	108.0	123.5	155.9	195.3
Transportation	32.1	31.1	60.5	72.6	90.4	89.4	65.8	104.1	119.9	140.4
Utility	37.2	31.5	37.3	39.9	39.9	47.0	48.4	69.9	71.4	74.3
Finance	54.8	47.1	64.3	73.5	72.0	95.3	89.3	114.2	147.2	148.5
American Stock Exchange Market Value Index (Aug. 31, 1973=50)	48.3	41.8	150.6	171.8	141.3	216.5	208.0	229.1	294.4	319.4
NASDAQ OTC composite ⁷	(NA)	77.9	202.3	195.9	232.4	275.9	247.4	234.9	348.9	402.9
Industrial	(NA)	81.0	291.4	229.3	279.6	322.7	290.7	230.2	348.9	422.8
Insurance	(NA)	80.8	185.5	194.3	225.4	257.8	293.1	382.1	404.1	425.5
Service	(NA)	72.4	116.4	143.1	155.4	203.8	229.9	349.4	412.5	465.1
Dow Jones and Co., Inc., total (95 stocks) ^{1,7}	243.9	247.3	329.2	384.9	345.4	472.2	463.1	541.9	702.5	849.5
Industrial (30 stocks)	753.2	802.8	991.4	932.9	894.4	1,180.3	1,179.5	1,225.2	1,792.8	2,276.0
Transportation (20 stocks)	152.4	163.4	307.2	369.9	369.8	544.5	512.8	645.1	785.4	989.2
Public utility (15 stocks)	109.6	79.8	110.4	109.8	112.0	130.0	131.9	167.6	195.2	201.7
Wilshire 5000 equity index ⁸ (Dec. 31, 1960=1404.599)	830.3	763.9	1,220.7	1,343.7	1,233.7	1,591.5	1,644.9	1,823.8	2,415.8	2,643.7
Standard & Poor's:										
Dividend-price ratio (percent)	3.65	4.31	5.39	6.30	5.91	4.40	4.64	4.25	3.49	3.08
Earnings-price ratio (percent)	6.45	8.14	12.86	11.67	11.80	8.02	10.02	9.12	9.08	5.46

NA Not available. ¹ Source: U.S. Bureau of Economic Analysis. ² Derived from average yields on basis of assumed 4 percent, 20-year bond; Wednesday closing prices. ³ Source: Dow Jones and Co., Inc., New York, NY. Effective June 30, 1978, the Dow Jones averages of 20 income railroad bonds were discontinued. With the dropping of the rail averages, which had been part of the Dow-Jones 40-bond average, the 40-bond average became a 20-bond average consisting of 10 utility bonds and 10 industrial bonds. ⁴ Effective July 1976, the index includes 400 industrial stocks (formerly 425), 20 transportation (formerly 15 rail), 40 public utility (formerly 80), and 40 financial stocks, not previously covered. ⁵ Source: New York Stock Exchange, Inc., New York, NY, *Fact Book*, annual. ⁶ Source: National Association of Securities Dealers, Washington, DC, *Fact Book*, annual. ⁷ OTC—over-the-counter. ⁸ Based on stocks listed on the New York Stock Exchange. ⁹ Represents return on the market value of all common equity securities for which daily pricing is available. For 1970-1975, annual average of end of month figures; thereafter, annual average of daily figures. Source: Wilshire Associates, Santa Monica, CA, releases. ¹⁰ Represents Dec. 31, 1970.

Source: Except as noted, Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

U.S. Securities Transactions—Foreign Stocks and Bonds Transactions 505

No. 827. FOREIGN PURCHASES AND SALES OF U.S. SECURITIES, BY TYPE OF SECURITY, 1980 TO 1987, AND BY SELECTED COUNTRY, 1986 AND 1987

[In billions of dollars. Covers transactions in all types of long-term domestic and foreign securities by foreigners as reported by banks, brokers, and other entities in the United States (except non-marketable U.S. Treasury notes, foreign series, and nonmarketable U.S. Treasury bonds and notes, foreign currency series). Data cover new issues of securities, transactions in outstanding issues, and redemptions of securities. Includes transactions executed in the U.S. for the account of foreigners, and transactions executed abroad for the account of reporting institutions and their domestic customers. Data by country show the country of domicile of the foreign buyers and sellers of the securities; in the case of outstanding issues, this may differ from the country of the original issuer. The term "foreigner" covers all institutions and individuals domiciled outside the U.S., including U.S. citizens domiciled abroad, and the foreign branches, subsidiaries and other affiliates abroad of U.S. banks and businesses; the central governments, central banks, and other official institutions of foreign countries; and international and regional organizations. "Foreigner" also includes persons in the U.S. to the extent that they are known by reporting institutions to be acting on behalf of foreigners. Minus sign (-) indicates net sales by foreigners or a net outflow of capital from the U.S.]

YEAR AND COUNTRY	NET PURCHASES					TOTAL TRANSACTIONS ⁴				
	Total	Treas- ury bonds and notes ¹	U.S. Govt. corpo- rations ² bonds	Corpo- rate bonds ³	Corpo- rate stocks	Total	Treas- ury bonds and notes ¹	U.S. Govt. corpo- rations ² bonds	Corpo- rate bonds ³	Corpo- rate stocks
1980	15.8	4.9	2.6	2.9	5.4	198.0	97.4	16.9	8.5	75.2
1983	11.7	5.4	(-2)	.9	5.4	435.2	253.9	26.1	19.0	134.1
1984	31.4	21.5	1.2	11.7	-3.0	639.5	451.2	32.5	33.2	122.6
1985	78.2	29.2	4.3	39.8	4.9	1,256.1	966.0	45.6	63.5	159.0
1986, total ⁵	88.8	19.4	7.0	43.7	18.7	2,622.6	2,148.3	67.2	128.5	277.5
United Kingdom	43.3	4.5	1.0	32.9	4.8	597.1	443.7	15.2	73.6	64.6
Japan	12.9	(-2)	4.5	5.1	3.3	719.1	659.3	20.2	12.8	26.9
Canada	2.2	.9	.3	.2	.8	114.7	75.6	1.0	3.5	34.6
West Germany	7.6	7.7	.1	-.3	.3	79.2	59.2	1.5	8.5	10.0
Switzerland	6.4	.3	.1	4.5	1.6	93.6	46.6	.4	9.6	37.0
France .....	.1	-.7	.1	.3	.5	32.4	19.4	1.5	1.8	9.6
1987, total ⁵	66.7	28.5	5.8	22.7	16.2	3,314.8	2,648.9	86.8	103.3	461.9
United Kingdom	24.4	4.0	1.5	18.4	.5	781.4	604.5	17.5	55.6	103.8
Japan	13.6	.9	1.1	.5	11.4	1,196.7	1,051.0	30.8	12.4	102.6
Canada	6.9	4.5	.3	1.0	1.0	182.3	127.8	1.5	3.1	49.9
West Germany	13.2	13.3	.2	-.2	-.1	112.2	69.7	1.4	4.8	16.2
Switzerland	2.4	1.9	(-2)	1.7	-1.2	94.9	26.4	.6	6.3	59.5
France	1.4	.3	(-2)	.2	.9	42.7	19.8	.6	2.2	20.1

Z Less than \$50 million. ¹ Marketable bonds and notes. ² Includes federally sponsored agencies. ³ Includes transac-
tions in directly placed issues abroad by U.S. corporations and issues of States and municipalities. ⁴ Total purchases plus total
sales. ⁵ Includes other countries, not shown separately.

No. 826. UNITED STATES PURCHASES AND SALES OF FOREIGN STOCKS AND BONDS, 1980 TO 1987, AND BY SELECTED COUNTRY, 1986 AND 1987

[In billions of dollars. See headnote, table 827. Minus sign (-) indicates net sales by U.S. investors or a net inflow of capital into the United States]

YEAR AND COUNTRY	NET PURCHASES			TOTAL TRANSACTIONS ¹			PURCHASES		SALES	
	Total	Bonds	Stocks	Total	Bonds	Stocks	Bonds	Stocks	Bonds	Stocks
1980.....	3.1	1.0	2.1	53.1	35.2	17.9	18.1	10.0	17.1	7.9
1983.....	7.0	3.2	3.8	106.2	75.9	30.3	39.6	17.0	36.3	13.3
1984.....	5.0	3.9	1.1	146.7	116.0	30.7	59.9	15.9	56.0	14.8
1985.....	7.9	4.0	3.9	212.1	166.4	45.7	85.2	24.8	81.2	20.9
1986, total ²	6.5	3.7	1.9	437.8	337.7	100.2	170.7	51.0	167.0	49.1
United Kingdom.....	15.0	13.7	1.3	184.3	151.8	32.6	82.7	17.0	69.0	15.6
Japan.....	-7.5	-6.1	-1.4	110.6	85.0	25.6	39.5	12.1	45.5	13.5
Canada.....	.9	-.2	1.1	26.4	16.5	9.8	8.2	5.5	8.4	4.4
West Germany.....	1.7	1.2	.5	19.0	12.9	6.1	7.1	3.3	5.8	2.8
Switzerland.....	1.3	1.0	.3	8.1	4.8	3.2	2.9	1.8	1.9	1.5
France.....	-	-.5	.5	8.9	4.8	4.2	2.2	2.3	2.6	1.8
1987, total ²	6.5	7.0	-1.1	596.1	405.8	188.8	266.7	94.1	199.1	96.2
United Kingdom.....	12.4	9.2	3.2	231.8	164.0	67.8	86.6	35.5	77.4	32.3
Japan.....	-5.6	.9	-6.5	143.2	95.5	47.7	48.2	20.6	47.3	27.1
Canada.....	4.1	1.7	2.3	40.7	21.9	18.8	11.8	10.6	10.1	8.3
West Germany.....	-1.7	-1.3	-.4	43.0	34.3	8.6	16.5	4.1	17.8	4.5
Switzerland.....	1.0	.3	.7	12.4	6.1	6.3	3.2	3.5	2.9	2.8
France.....	1.1	1.3	-.2	18.0	11.9	6.1	6.6	3.0	5.3	3.2

- Represents or rounds to zero. ¹ Total purchases plus total sales. ² includes other countries, not shown separately.

Source of tables 827 and 826: U.S. Dept. of Treasury, *Treasury Bulletin*, quarterly.

No. 829. SALES OF STOCKS AND OPTIONS ON REGISTERED EXCHANGES: 1970 TO 1987

[Excludes over-the-counter trading. See also *Historical Statistics, Colonial Times to 1970*, series X 517-530]

EXCHANGE	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Market value of all sales, all exchanges ^{1,2}	Bl. dol.	136	175	322	322	667	1,023	1,084	1,260	1,666	2,462
New York	Bl. dol.	108	145	300	416	515	515	515	1,024	1,453	1,987
American	Bl. dol.	15	6	47	40	34	46	32	36	63	102
Midwest	Bl. dol.	5	7	21	25	35	60	62	102	102	122
Chicago	Bl. dol.	-	8	28	22	32	39	35	55	55	124
Pacific	Bl. dol.	5	6	13	13	21	31	31	55	55	71
Philadelphia	Bl. dol.	3	9	11	11	14	20	19	35	35	48
STOCKS³											
Shares sold, all exchanges ⁴	Million	4,539	6,226	15,488	15,810	22,414	30,146	30,456	37,046	48,338	63,771
New York	Million	3,213	5,056	12,360	12,843	18,211	24,253	25,160	30,222	39,258	53,038
American	Million	879	541	1,659	1,472	1,550	2,209	1,584	2,115	2,899	3,496
Midwest	Million	149	252	598	735	1,144	1,662	1,643	2,274	2,784	3,329
Pacific	Million	195	199	436	457	810	1,070	1,006	1,362	1,750	2,034
Market value, all exchanges ²	Bl. dol.	131	157	478	491	803	957	951	1,200	1,705	2,284
New York	Bl. dol.	103	124	308	416	514	515	514	1,023	1,450	1,983
American	Bl. dol.	14	6	35	28	20	31	21	26	43	53
Midwest	Bl. dol.	5	7	21	25	35	60	62	79	102	122
Pacific	Bl. dol.	5	8	11	11	16	27	28	37	51	57
OPTIONS⁴											
Contracts traded, all exchanges ²	Million	(NA)	18	87	109	137	149	187	233	286	333
Chicago	Million	(NA)	14	63	58	76	82	123	149	180	182
American	Million	(NA)	4	29	35	29	39	40	49	55	71
Market value of contracts traded, all exchanges ²	Bl. dol.	(NA)	6.4	45.8	41.7	53.7	64.2	69.0	89.1	87.9	118.9
Chicago	Bl. dol.	(NA)	6.3	27.9	22.4	32.3	39.4	34.9	38.4	55.8	78.9
American	Bl. dol.	(NA)	(NA)	12.5	13.6	14.3	15.8	19.5	11.5	19.0	25.7
Options exercised:											
Number of contracts	Million	(NA)	.3	4.6	7.4	9.2	13.6	11.9	10.5	14.5	17.0
Value	Bl. dol.	(NA)	1.3	20.4	34.6	37.1	65.1	55.6	49.2	72.6	85.9

- Represents zero. NA Not available. ¹ Includes market value of rights and warrants and, through 1975, bond sales. Excludes the value of options exercised. ² Includes other registered exchanges, not shown separately. ³ Includes voting trust certificates, American Depositary Receipts, and certificate of deposit for stocks. ⁴ Includes non-equity options as of October 1982.

Source: U.S. Securities and Exchange Commission, *SEC Monthly Statistical Review*.

No. 830. VOLUME OF TRADING ON NEW YORK STOCK EXCHANGE: 1970 TO 1987

[Round lot: A unit of trading or a multiple thereof. On the NYSE the unit of trading is generally 100 shares in stocks. For some inactive stocks, the unit of trading is 10 shares. Odd lot: An amount of stock less than the established 100-share unit or 10-share unit of trading]

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
Shares traded	Million	3,134	4,539	8,236	11,983	12,049	16,689	21,546	23,308	27,774	36,008	48,148
Round lots	Million	2,937	4,693	6,156	11,352	11,664	16,458	21,390	23,071	27,511	35,690	47,301
Average daily shares	Million	11.8	18.6	32.2	44.9	46.9	65.1	65.3	91.2	109.2	141.0	189.0
High day	Million	21.3	35.2	61.6	64.3	92.9	149.4	129.4	236.6	181.0	244.3	306.1
Low day	Million	6.7	8.7	16.3	16.1	23.8	36.8	53.0	46.4	62.1	48.9	66.7
By size: ¹												
At 100-900 shares	Percent	(NA)	42.1	27.5	24.7	21.1	16.2	14.6	11.3	10.6	10.8	13.6
At 1,000-4,900 shares	Percent	(NA)	31.4	39.7	38.2	31.0	28.5	26.7	25.1	24.1	26.7	21.1
At 5,000-9,900 shares	Percent	(NA)	8.7	15.4	11.4	12.1	12.6	12.7	13.6	13.6	13.9	14.1
At 10,000 or more shares ²	Percent	(NA)	17.9	27.4	31.7	35.9	42.5	46.0	49.6	51.5	49.6	51.2
Odd lots	Million	186	146	180	209	199	211	256	236	283	329	342
Value of shares traded	Bl. dol.	192.6	191.7	344.5	382.4	396.1	496.1	775.3	773.4	998.8	1,388.8	1,888.7
Round lots	Bl. dol.	85.3	126.7	238.2	374.9	389.2	486.4	765.3	764.7	970.5	1,374.3	1,873.6
Odd lots	Bl. dol.	7.2	5.0	6.3	7.5	6.9	6.7	10.1	8.7	10.3	14.5	16.1
Bond volume ³	Bl. dol.	4,465	5,179	4,088	5,180	5,739	7,186	7,672	8,982	9,046	10,484	9,727
Daily average	Bl. dol.	17.7	20.5	16.2	20.5	22.7	29.3	29.9	27.6	35.9	41.4	38.4

NA Not available. ¹ Share volume of reported trades by size (percent of total) on New York Stock Exchange.² Includes bunched orders at the opening and re-opening of trading. ³ Par value.Source: New York Stock Exchange, Inc., New York, NY, *Fact Book*, annual.

No. 831. NASDAQ—SECURITIES LISTED AND VOLUME OF TRADING: 1975 TO 1987

ITEM	Unit	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
Companies listed	Number	2,467	2,543	2,894	3,353	3,264	3,801	4,067	4,136	4,417	4,708
Issues	Number	2,679	2,670	3,060	3,667	3,664	4,467	4,723	4,784	5,189	5,637
Shares traded	Million	1,390	3,651	6,892	7,829	6,432	10,909	15,189	20,699	26,737	37,880
Average daily volume	Million	5.5	14.4	28.5	30.9	33.9	62.6	59.9	62.1	113.8	149.8
Value of shares traded	Bl. dol.	23.2	44.3	88.7	71.1	64.2	188.3	188.5	233.5	378.2	498.9

Source: National Association of Securities Dealers, Washington, DC, *Fact Book*, annual.

NO. 832. SECURITIES LISTED ON N.Y. STOCK EXCHANGE: 1970 TO 1987

(As of December 31, except cash dividends are for calendar year)

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
Bonds:												
Number of issuers	Number	843	1,088	1,043	1,045	1,048	1,031	1,034	1,024	1,010	951	885
Number of issues	Number	1,729	2,832	2,838	3,057	3,110	3,233	3,600	3,751	3,856	3,811	3,346
Face value	Bil. dol.	135	334	526	602	681	783	885	1,084	1,327	1,380	1,651
Market value	Bil. dol.	113	315	480	508	574	766	888	1,022	1,339	1,456	1,621
Average price	Percent	83.80	91.88	87.38	84.41	84.24	85.67	93.04	94.29	100.00	105.66	98.20
Stocks:												
Companies	Number	1,351	1,557	1,585	1,570	1,565	1,526	1,550	1,543	1,541	1,575	1,647
Number of issues	Number	1,840	2,111	2,192	2,228	2,220	2,225	2,307	2,319	2,298	2,257	2,244
Shares listed	Billion	16.1	22.5	30.0	33.7	38.3	39.5	45.1	49.1	52.4	59.6	72.0
Market value	Bil. dol.	636	885	861	1,243	1,144	1,305	1,584	1,588	1,860	2,199	2,216
Average price	Dollars	39.61	39.48	31.89	36.87	29.87	33.03	35.11	32.31	37.20	36.89	30.87
Cash dividends on common stock	Bil. dol.	19.8	26.9	48.9	53.1	60.6	62.2	67.1	68.2	74.2	76.2	64.4

NO. 833. STOCK OWNERSHIP—CHARACTERISTICS OF SHAREOWNERS: 1970 TO 1986

(In thousands. Represents all publicly owned issues of common and preferred stocks including stock mutual funds. Based on national probability samples; see source for detailed explanation)

CHARACTERISTIC	1970	1975	1980	1983	1986	CHARACTERISTIC	1970	1975	1980	1983	1986
Total ¹	35,800	25,570	30,200	42,380	47,040	Education:					
Male	15,689	12,688	15,886	20,864	23,699	High school ²					
Female	15,161	12,508	14,534	21,486	23,341	3 years or less	3,586	1,621	1,748	2,366	2,513
Under 21 years	2,221	1,818	2,308	2,749	2,280	4 years	8,697	6,580	5,737	8,788	7,899
21-34 years	4,500	2,838	6,407	10,552	11,093	College ³					
35-44 years	5,801	3,978	5,825	8,346	10,982	1-3 years	5,867	5,301	9,363	13,529	13,937
45-54 years	7,556	5,675	5,456	6,586	7,669	4 years or more	9,989	9,886	10,813	14,375	19,854
55-64 years	8,084	5,089	5,144	6,850	8,217	Minors ³	2,221	1,818	2,308	2,749	2,280
65 years and over	4,330	5,800	4,589	7,277	6,589						

¹ Includes small number of shareowners not distributed by breakdown. ² Persons 21 years old and over. ³ Shareowners whose stockholdings are registered in accordance with the Gifts to Minors Statutes.

Source of tables 832 and 833: New York Stock Exchange, Inc., New York, NY, Shareownership, periodic, and Fact Book, annual.

NO. 834. MUTUAL FUNDS—SUMMARY: 1970 TO 1987

(See also Historical Statistics, Colonial Times to 1970, series X 538-539)

TYPE OF FUND	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Number of funds, total	Number	381	438	584	686	967	1,838	1,248	1,531	1,843	2,334
Money market funds	Number	(X)	36	96	159	261	307	329	348	380	389
Equity funds	Number	294	286	257	286	320	374	466	574	700	847
Income and bond funds	Number	87	104	149	154	186	201	240	323	408	506
Municipal bond funds	Number	(X)	(X)	42	46	50	78	114	174	247	389
Short-term municipal bond funds ¹	Number	(X)	(X)	10	20	37	68	97	112	127	154
Shareholder accounts, total	Millions	(NA)	9.9	12.1	17.5	21.4	24.8	28.2	36.0	46.1	64.7
Equity, bond, and income funds	Millions	(NA)	9.7	7.3	7.2	8.2	12.1	14.4	20.0	29.8	37.0
Money market funds and short-term municipal bond funds ¹	Millions	(NA)	2	4.8	10.3	13.2	12.6	13.8	15.0	16.3	17.7
Assets, total	Bil. dol.	47.8	46.8	134.7	241.4	296.6	292.9	376.7	486.6	716.3	788.9
Money market funds	Bil. dol.	(X)	9.6	74.4	181.9	205.6	182.5	209.7	207.5	226.3	254.7
Equity funds	Bil. dol.	45.1	37.5	44.4	41.2	53.6	77.0	83.1	116.9	181.5	180.8
Income and bond funds	Bil. dol.	2.5	4.7	11.1	11.0	15.6	22.0	33.3	95.4	187.0	186.2
Municipal bond funds	Bil. dol.	(X)	(X)	2.9	3.1	7.4	14.6	20.8	39.4	75.7	77.0
Short-term municipal bond funds ¹	Bil. dol.	(X)	(X)	1.8	4.2	13.2	16.6	29.8	38.3	63.8	61.4
Assets, total	Bil. dol.	4.8	16.1	347.6	472.2	627.6	547.8	660.1	883.6	1,386.7	1,361.6
Money market funds	Bil. dol.	(X)	8.8	232.2	451.9	561.6	463.0	572.0	730.1	782.3	899.1
Equity funds	Bil. dol.	4.2	2.6	5.6	6.0	8.3	22.4	20.3	30.1	57.7	72.1
Income and bond funds	Bil. dol.	4	7	2.6	2.3	4.0	8.6	15.7	64.8	118.3	89.7
Municipal bond funds	Bil. dol.	(X)	(X)	1.8	1.5	3.5	9.1	9.8	19.4	39.9	28.9
Short-term municipal bond funds ¹	Bil. dol.	(X)	(X)	5.3	10.5	29.4	44.5	62.3	109.4	197.5	181.8
Redemptions, total	Bil. dol.	3.8	9.6	216.3	382.6	686.4	665.6	667.6	864.9	1,015.8	1,178.8
Money market funds	Bil. dol.	(X)	5.9	204.5	346.7	658.6	508.7	631.0	732.3	776.3	885.7
Equity funds	Bil. dol.	2.8	3.3	5.7	5.1	5.2	9.3	10.9	18.2	27.2	40.2
Income and bond funds	Bil. dol.	2	4	1.5	1.8	1.7	3.1	5.1	11.1	30.7	56.6
Municipal bond funds	Bil. dol.	(X)	(X)	1.0	.8	7	2.3	4.1	4.3	9.1	17.4
Short-term municipal bond funds ¹	Bil. dol.	(X)	(X)	2.8	8.3	21.2	42.4	55.9	98.8	172.3	186.9

NA Not available. X Not applicable. ¹ The average maturity of the portfolio is generally less than two years.

Source: Investment Company Institute, Washington, DC, Mutual Fund Fact Book, annual. (Copyright.)

No. 835. COMMODITY FUTURES TRADING ON U.S. EXCHANGES—VOLUME OF TRADING: 1970 TO 1987

[In thousands. 1970 for year ending June 30; thereafter, for years ending Sept. 30]

COMMODITY	1970	1980	1981	1982	1983	1984	1985	1986	1987
Number of contracts traded.....	12,368	82,881	181,134	107,844	138,077	148,832	123,368	123,368	213,547
Grain.....	2,182	18,267	18,808	14,888	17,794	18,808	10,728	10,318	10,845
Oilseeds/products.....	3,877	16,882	20,315	15,783	19,823	22,480	14,883	13,788	14,152
Livestock/products.....	3,432	11,808	8,804	10,888	11,083	8,428	7,388	8,671	8,785
Other agriculturals.....	2,017	7,787	4,878	4,885	6,384	8,888	5,141	8,708	5,718
Energy products.....	-	1,087	3,881	2,301	3,804	4,848	7,025	11,531	20,308
Metals.....	1,110	14,888	17,870	19,307	28,318	22,447	18,383	16,234	18,488
Financial instruments.....	-	10,213	20,081	31,251	40,155	51,008	72,127	88,887	114,337
Currencies.....	-	3,718	5,388	6,334	11,888	18,881	15,377	19,081	19,807

- Represents zero.

Source: U.S. Commodity Futures Trading Commission, *Annual Report*.

No. 830. U.S. LIFE INSURANCE COMPANIES—SUMMARY: 1970 TO 1987

[As of December 31 or calendar year, as applicable. Covers domestic and foreign business of U.S. companies. See also *Historical Statistics, Colonial Times to 1970*, series X 878 and X 880-817]

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
U.S. companies.....	Number	1,780	1,746	1,958	1,991	2,080	2,117	2,103	2,281	2,254	2,885
Saves ¹	BL dol.	287	317	885	1,138	888	1,278	1,380	1,830	1,878	1,888
Ordinary.....	BL dol.	135	207	482	700	881	872	1,074	1,187	1,178	1,387
Group ¹	BL dol.	85	108	180	438	257	308	315	342	400	388
Industrial.....	BL dol.	7	7	4	9	2	2	1	1	(2)	(2)
Insurers.....	BL dol.	88.1	78.8	138.8	181.8	170.8	178.8	288.1	284.0	288.3	314.3
Life insurance premiums.....	BL dol.	21.7	28.3	40.8	48.3	50.8	80.3	81.3	80.1	88.2	78.7
Percent of total.....	Percent	44.2	37.8	31.2	30.5	29.9	28.6	24.8	25.7	23.5	24.4
Annuity considerations.....	BL dol.	3.7	10.2	22.4	27.6	34.6	30.5	42.8	53.8	83.7	88.7
Health insurance premiums.....	BL dol.	11.4	18.1	28.4	31.8	35.0	38.2	40.7	41.8	44.3	47.8
Investment and other.....	BL dol.	12.3	18.4	38.3	46.2	49.6	67.0	71.3	78.2	88.2	101.3
Disbursements.....	BL dol.	38.8	88.2	88.2	101.8	113.3	138.8	138.8	181.8	188.8	288.3
Payments to policyholders ²	BL dol.	28.8	38.1	58.0	65.1	71.2	80.9	88.8	95.7	131.4	144.4
Percent of total.....	Percent	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	70.8	71.4
Death payments.....	BL dol.	7.2	8.8	12.8	13.8	14.8	18.8	17.8	18.8	18.8	20.7
Matured endowments.....	BL dol.	1.0	1.0	.8	.7	.8	.6	.7	.8	.8	.8
Annuity payments.....	BL dol.	1.7	3.2	7.4	8.6	10.3	12.7	18.0	18.7	17.8	20.3
Policy dividends.....	BL dol.	3.8	5.1	8.1	9.3	9.8	10.8	11.4	12.4	12.4	13.0
Surrender values ³	BL dol.	2.8	3.8	8.4	7.1	9.8	12.5	14.5	15.8	48.8	63.7
Disability benefits.....	BL dol.	.2	.4	.5	.8	.5	.8	.4	.5	.5	.5
Commissions, expenses, etc. ⁴	BL dol.	12.8	18.4	27.8	35.1	40.3	48.7	48.0	83.1	81.4	84.7
Dividends to stockholders.....	BL dol.	.8	.7	1.4	1.8	1.8	1.8	2.7	3.0	3.7	3.2
BALANCE SHEET											
Assets.....	BL dol.	387.5	388.5	478.3	835.6	888.2	884.8	733.8	888.8	887.8	1,844.5
Government securities.....	BL dol.	11.1	15.2	38.0	38.5	88.5	78.8	88.8	124.8	144.8	181.4
Corporate securities.....	BL dol.	88.8	133.8	227.0	241.5	288.8	297.0	322.8	374.3	432.8	502.2
Percent of total assets.....	Percent	42.7	48.3	47.4	45.9	45.7	45.3	44.8	45.3	48.2	48.1
Bonds.....	BL dol.	73.1	105.8	178.8	188.8	212.8	232.1	258.1	288.8	342.0	405.7
Stocks.....	BL dol.	18.4	28.1	47.4	47.7	65.7	64.9	83.4	77.5	80.8	88.8
Mortgages.....	BL dol.	74.4	88.2	131.1	137.7	142.0	151.0	168.7	171.8	188.8	213.5
Real estate.....	BL dol.	6.3	8.8	15.0	18.3	20.8	22.2	25.7	28.8	31.8	34.2
Policy loans.....	BL dol.	18.1	24.5	41.4	48.7	53.0	54.1	54.5	54.4	54.1	63.8
Other.....	BL dol.	10.9	18.8	31.7	40.1	48.8	54.0	83.8	72.0	80.8	88.8
Interest earned on assets ⁵	Percent	6.30	8.38	8.02	8.57	8.91	8.88	8.48	8.83	9.36	8.08
Liabilities ⁶	BL dol.	188.8	288.7	444.8	488.4	548.7	608.8	672.8	788.1	873.4	977.1
Policy reserves ⁷	BL dol.	187.8	237.1	380.4	438.0	478.4	533.4	684.2	685.3	781.8	882.1
Annuities.....	BL dol.	48.8	80.8	181.5	208.1	252.4	298.5	341.7	410.8	488.8	581.7
Group.....	BL dol.	34.0	58.8	140.4	181.0	181.0	221.7	254.8	303.0	355.8	388.5
Individual ⁸	BL dol.	14.8	28.8	41.0	48.1	60.5	74.8	87.1	107.8	132.8	188.2
Life insurance.....	BL dol.	115.4	180.1	197.9	207.0	213.8	221.0	225.8	236.8	252.0	278.4
Health insurance.....	BL dol.	3.5	8.3	11.0	11.8	13.2	15.0	18.8	18.8	21.3	24.0
Capital and surplus ⁹	BL dol.	17.3	28.8	34.4	37.4	41.5	48.4	50.4	58.8	64.1	87.4

Z Less than \$500 million. ¹ Includes Servicemen's Group Life Insurance: \$18.8 billion in 1970, \$1.7 billion in 1975, \$44.5 billion in 1981, and \$50.8 billion in 1988; as well as Federal Employees' Group Life Insurance: \$81.5 billion in 1981 and \$10.8 billion in 1988. ² Includes operations of accident and health departments of life insurance companies. ³ Beginning 1988, data not comparable to prior years due to change in accounting method. ⁴ Net rate. ⁵ Includes other obligations not shown separately. ⁶ Includes reserves for supplementary contracts with and without life contingencies.

Source: American Council of Life Insurance, Washington, DC, *Life Insurance Fact Book*, biennial, and unpublished data.

NO. 837. U.S. LIFE INSURANCE COMPANIES—NEW LONG-TERM INVESTMENTS: 1970 TO 1987

In billions of dollars, except percent. Long-term investments are investments of over 1 year in length. Minus sign (-) indicates decrease.

Item	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total	25.9	42.5	88.6	98.5	73.8	77.9	83.7	110.5	186.9	302.5	296.3	421.8	456.7
Annual percent change ¹	- .3	19.7	20.3	3.2	6.6	7.3	7.4	32.1	53.7	19.2	45.6	42.9	8.3
Government securities	.8	3.7	7.5	8.5	6.9	7.0	10.6	24.3	49.1	62.9	69.9	154.3	155.7
Corporate securities	10.9	22.5	37.8	26.0	33.5	36.4	42.6	58.8	85.9	104.0	144.6	205.4	239.5
Bonds	6.8	16.6	30.2	26.0	23.1	22.3	23.0	33.0	50.8	66.7	96.3	137.5	165.1
Stocks	4.1	5.9	7.6	8.0	10.4	14.1	19.5	25.8	36.1	36.3	48.3	67.9	74.4
Mortgages	7.2	9.8	14.2	17.8	20.7	19.7	13.5	11.8	20.1	20.1	35.1	46.4	44.2
Real estate	.9	2.1	2.0	2.2	2.8	3.3	4.5	4.5	4.3	6.0	6.0	7.1	7.1
Policy loans	4.1	4.6	5.1	6.3	9.7	11.5	12.8	11.4	9.5	8.5	9.7	9.7	10.2

¹ Change from immediate prior year.

NO. 838. LIFE INSURANCE IN FORCE IN THE U.S.—SUMMARY: 1970 TO 1987

[As of December 31 or calendar year, as applicable. Covers life insurance with life insurance companies only. Represents all life insurance in force on lives of U.S. residents whether issued by U.S. or foreign companies. For definition of household, see text, section 1. See also *Historical Statistics, Colonial Times to 1970*, series X 875-889.]

YEAR	LIFE INSURANCE IN FORCE						AVERAGE SIZE POLICY IN FORCE (dollars)				AVERAGE AMOUNT (\$1,000)		Disposable personal income per household (\$1,000)
	Number of policies, total (mil.)	Value (\$B. dol.)					Ordinary	Group	Industrial	Credit ¹	Per household	Per insured household	
		Total	Ordinary	Group	Industrial	Credit ¹							
1970	366	1,402	731	545	39.5	87.8	8,110	6,910	600	1,000	22.1	28.6	11.3
1974	380	1,986	1,008	827	38.4	109.8	7,600	6,540	550	1,310	28.4	34.2	14.9
1975	380	2,140	1,083	906	39.4	112.0	8,090	6,380	570	1,410	30.1	36.2	16.1
1976	382	2,343	1,176	1,008	39.2	123.6	8,810	10,010	580	1,569	32.2	39.7	17.2
1977	390	2,583	1,289	1,116	39.0	139.4	9,240	10,580	590	1,790	34.8	42.0	18.8
1978	401	2,870	1,425	1,244	38.1	166.1	10,010	11,288	600	1,980	37.8	46.6	20.4
1979	407	3,222	1,596	1,419	37.8	179.3	10,890	12,360	610	2,180	41.7	50.8	22.4
1980	402	3,541	1,761	1,579	36.0	186.2	11,920	13,410	620	2,110	43.6	53.5	23.7
1981	400	4,064	1,878	1,866	34.5	182.4	13,310	15,460	630	2,220	48.3	60.2	25.8
1982	380	4,477	2,217	2,066	32.9	181.1	15,140	16,630	630	2,410	53.6	66.2	27.1
1983	387	4,866	2,544	2,220	31.4	170.7	17,380	17,530	630	2,660	58.2	73.1	28.8
1984	356	5,500	2,898	2,392	30.1	190.0	19,970	18,780	630	2,690	64.5	79.6	31.3
1985	366	6,063	3,247	2,562	29.2	216.0	22,780	19,720	640	3,100	69.7	86.1	32.7
1986	361	6,720	3,668	2,801	27.2	233.9	25,640	20,720	650	3,310	76.0	93.8	34.2
1987	366	7,452	4,139	3,043	26.8	243.0	28,510	22,380	650	3,330	82.8	102.2	36.3

¹ Interest borrower to cover consumer loan in case of death.

Source of tables 837 and 838: American Council of Life Insurance, Washington, DC, *Life Insurance Fact Book*, biennial.

NO. 839. LIFE INSURANCE OWNERSHIP BY HOUSEHOLDS AND ADULTS: 1984

[“All types” includes coverage with legal reserve life insurance companies, veterans life insurance, and life insurance issued by savings banks, fraternal organizations, mutual aid and burial societies, and similar types of coverage. “Individual life” comprises ordinary and/or industrial life insurance. Based on a survey conducted for the source and the Life Insurance Marketing and Research Association.]

TYPE OF HOUSEHOLD AND HOUSEHOLD INCOME	PERCENT OF HOUSEHOLDS IN WHICH AT LEAST ONE MEMBER OWNS LIFE INSURANCE			MEDIAN COVERAGE ² (\$1,000)			AGE	PERCENT OF ADULTS OWNING LIFE INSURANCE	
	All types	Individual life ¹	Employee group life	All types	Individual life ¹	Employee group life		Male	Female
Total	81	67	64	26.0	16.5	36.0	Total, 18 yrs. and over	75	69
Family households ³	86	69	58	40.0	20.0	20.0	18-24 yrs. old	61	60
Married couple	86	69	60	48.0	23.0	21.8	25-29 yrs. old	63	64
Female householder ⁴	74	47	49	20.0	11.0	20.0	30-34 yrs. old	79	70
Nonfamily households	70	42	41	11.8	5.0	16.5	35-44 yrs. old	64	70
Male householder	70	41	46	40.0	11.4	30.0	45-54 yrs. old	66	72
Female householder	70	43	37	8.0	2.0	10.0	55-64 yrs. old	66	71
Under \$10,000	69	46	27	10.0	5.1	10.0	65 yrs. old and over	69	67
\$10,000-\$17,499	79	49	46	16.5	6.5	12.0			
\$17,500-\$24,999	87	64	60	30.0	16.4	18.0			
\$25,000-\$34,999	82	69	70	68.5	28.0	28.0			
\$35,000 and over	82	66	74	67.0	40.0	40.0			

¹ Purchased from an agent, company, or fraternal society. ² Among those households with this type of coverage. Includes coverage of dependents. ³ Includes male householder with no spouse present. ⁴ With no spouse present.

Source: American Council of Life Insurance, Washington, DC, *Life Insurance Fact Book Update*, 1988.

No. 840. LIFE INSURANCE—INSURANCE IN FORCE AND BENEFIT PAYMENTS BY STATE: 1986

[Applies to policyholders and payments in the U.S. For composition of regions, see fig. 1, inside front cover]

REGION, DIVISION, AND STATE	INSURANCE IN FORCE			Benefit pay- ments ¹ (mil. dol.)	DIVISION AND STATE	INSURANCE IN FORCE			Benefit pay- ments ¹ (mil. dol.)
	Policies (1,000)	Value (bil. dol.)	Avg. per house- hold (dol.)			Policies (1,000)	Value (bil. dol.)	Avg. per house- hold (dol.)	
U.S.	364,863	7,462	82,800	71,432	South Atlantic—				
Regions:					Con.				
Northeast	83,229	1,886	89,800	19,885	Maryland	8,182	154	82,700	1,834
Midwest	97,407	1,864	83,700	18,807	District of				
South	154,709	2,498	80,800	20,882	Columbia	2,063	48	185,800	337
West	59,538	1,416	77,800	12,298	Virginia	13,284	203	93,500	1,471
New England	20,893	449	92,580	4,567	West Virginia	3,080	40	56,900	435
Maine	1,836	31	89,800	291	North Carolina	13,498	186	77,900	1,517
New Hampshire	1,887	33	85,000	305	South Carolina	7,757	98	79,800	664
Vermont	852	15	73,800	189	Georgia	12,646	208	92,200	1,427
Massachusetts	8,785	200	91,300	2,108	Florida	17,921	322	87,300	3,275
Rhode Island	1,823	31	85,300	304	East South				
Connecticut	5,881	133	111,700	1,380	Central	32,948	412	73,880	3,328
Middle Atlantic	82,338	1,343	88,888	18,888	Kentucky	8,088	88	82,800	710
New York	27,958	580	87,800	7,488	Tennessee	9,888	143	78,800	1,348
New Jersey	12,042	288	102,000	3,385	Alabama	12,704	123	83,200	849
Pennsylvania	22,338	387	82,800	4,835	Mississippi	4,188	60	65,800	418
East North					West South				
Central	68,832	1,304	84,388	13,888	Central	42,808	883	83,108	6,338
Ohio	18,451	334	82,800	3,483	Arkansas	2,788	47	53,000	401
Indiana	9,089	181	78,800	1,841	Louisiana	9,088	129	82,800	1,031
Illinois	19,807	388	90,800	4,180	Oklahoma	4,448	87	98,700	918
Michigan	14,510	283	84,400	2,881	Texas	25,730	540	90,500	3,981
Wisconsin	7,885	138	77,100	1,425	Mountain	18,887	378	77,888	3,214
West North					Montana	1,108	21	67,800	197
Central	27,578	588	82,888	6,317	Idaho	1,308	23	65,800	215
Minnesota	6,221	139	87,800	1,282	Wyoming	830	13	74,800	125
Iowa	4,578	88	80,200	888	Colorado	5,303	113	90,800	942
Missouri	8,324	163	78,100	1,402	New Mexico	1,858	36	58,400	308
North Dakota	981	21	84,300	154	Arizona	5,057	84	75,400	885
South Dakota	905	19	73,000	178	Utah	2,437	45	87,800	354
Nebraska	2,427	52	84,800	525	Nevada	1,305	25	62,800	198
Kansas	4,129	80	84,700	708	Pacific	48,831	1,048	77,888	6,884
South Atlantic	78,754	1,281	81,888	10,888	Washington	5,025	125	71,100	1,135
Delaware	1,313	26	109,000	238	Oregon	3,310	88	63,300	674
					California	29,674	800	79,400	6,832
					Alaska	666	15	84,800	123
					Hawaii	1,888	38	112,000	320

¹ Comprises death payments, matured endowments, disability and annuity payments, surrender values, and policy dividends.Source: American Council of Life Insurance, Washington, DC, *Life Insurance Fact Book*, biennial.

No. 841. PROPERTY AND LIABILITY INSURANCE: 1970 TO 1987

[In millions of dollars. Premiums written represent total premiums on all insurance policies written by companies, with inception dates in years shown. Minus sign (-) indicates loss. See also *Historical Statistics, Colonial Times to 1970*, series X 918, 923, 926, 933, and 940]

ITEM	1970	1975	1980	1982	1983	1984	1985	1986	1987
Premiums written¹	32,867	49,887	65,848	103,888	108,863	118,188	144,188	178,882	183,848
Auto liability	8,958	13,315	23,319	26,228	28,080	30,217	38,087	44,081	48,308
Physical damage, auto	4,824	7,823	15,833	18,006	18,748	21,788	25,247	29,308	31,888
Liability other than auto	2,140	3,881	7,892	7,158	7,247	8,254	14,313	22,857	24,878
Medical malpractice	(NA)	885	1,275	1,480	1,888	1,775	2,780	3,482	4,004
Fire ²	3,147	3,881	4,784	4,838	4,808	4,853	6,173	6,833	7,888
Homeowners multiple peril	2,585	4,729	8,821	11,747	12,512	13,213	14,088	15,222	16,853
Commercial multiple peril	1,331	3,178	6,888	7,009	7,283	8,287	12,097	18,190	17,231
Workers' compensation	3,492	5,186	14,239	13,945	14,006	15,108	17,048	20,431	23,429
Inland marine	812	1,288	2,291	2,510	2,849	3,017	3,672	3,889	4,120
Ocean marine	465	881	1,085	1,101	1,098	1,155	1,177	1,225	1,355
Surety and fidelity ³	582	788	1,248	1,454	1,549	1,887	2,853	2,118	2,480
Financial guaranty ³	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	575	982
Burglary and theft	135	120	138	115	108	108	122	121	127
Crop-hail	125	312	417	632	444	509	447	379	351
Boiler and machinery	115	173	293	293	356	439	618	631	586
Glass	40	32	32	29	27	28	25	27	25
Statutory underwriting gain/loss	77	3,584	1,712	-8,303	11,088	18,379	22,587	13,748	-7,078
Policyholders' dividends	504	833	1,822	1,987	2,234	2,088	2,198	2,185	2,546
Net underwriting gain/loss	426	-4,227	-3,334	-10,280	13,322	-21,477	-24,794	-15,913	9,825
Net investment income	2,005	4,150	11,083	14,907	15,873	17,880	19,608	21,824	23,880
Net income/loss before taxes	1,579	77	7,730	4,617	2,851	3,817	-5,288	8,012	14,388
Assets	58,584	84,118	187,881	231,888	248,121	264,734	311,385	374,088	438,711
Policyholders' surplus	18,520	25,303	82,188	80,388	85,808	83,808	75,511	84,888	103,888

NA Not available. ¹ Total includes all property, liability, and allied lines; other data are for principal lines only.² Includes extended coverage and allied lines. ³ Prior to 1988, financial guaranty was included in surety.Source: Insurance Information Institute, New York, NY, *Insurance Facts*, annual. Data from A. M. Best Company, Omaha, NE.

NO. 842. AUTOMOBILE INSURANCE: 1970 TO 1987

[In millions of dollars, except as indicated. Premiums earned basis. See also *Historical Statistics, Colonial Times to 1970*, series Q 163-174]

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987		
										Total	Private passenger	Commercial
TOTAL INSURANCE												
Premiums earned.....	14.6	23.6	37.6	38.6	42.6	48.2	60.5	57.1	70.3	76.9	63.0	13.9
Losses paid ¹	11.2	19.7	27.9	30.6	35.1	39.2	42.2	49.2	59.9	60.9	50.9	10.0
Percent of premiums.....	76.8	82.4	74.1	77.0	82.4	61.3	63.6	86.1	81.0	78.2	80.7	72.3
BODILY INJURY LIABILITY²												
Premiums earned.....	6.6	15.2	22.5	23.6	25.4	26.6	29.5	33.5	42.1	46.8	37.0	9.7
Losses paid ¹	7.5	12.3	17.2	18.2	21.8	24.9	26.5	31.6	37.9	41.8	33.8	6.0
Percent of premiums.....	79.0	81.0	76.8	81.1	85.9	97.0	89.9	95.0	90.1	89.4	91.4	61.8
PHYSICAL DAMAGE³												
Premiums earned.....	5.1	8.7	15.1	15.1	17.2	19.6	21.0	23.5	28.2	30.1	26.0	4.1
Losses paid ¹	3.7	7.4	10.7	11.5	13.1	14.3	15.7	17.3	19.0	19.1	17.0	2.0
Percent of premiums.....	72.3	84.7	70.4	71.0	76.3	72.9	74.7	73.5	67.5	63.4	65.8	49.5

¹ Includes adjusting expenses. ² Includes property damage. ³ Covers auto fire, theft, collision, and comprehensive. Source: The National Underwriter Co., Cincinnati, OH, *Argus F. C. & S. Chart*, annual (copyright).

NO. 843. PRIVATE HEALTH INSURANCE ORGANIZATIONS—INCOME AND EXPENSES: 1970 TO 1985

[In millions of dollars, except percent. Minus sign (-) indicates loss. Expenses are on incurred basis. See also *Historical Statistics, Colonial Times to 1970*, series X 957-962]

ITEM	1970	1975	1977	1979	1978	1980	1981	1982	1983	1984	1985
All organizations:											
Total premium income.....	16,871	33,178	48,015	53,577	52,011	72,595	94,419	96,679	109,854	121,464	130,139
Claims expense.....	15,220	31,223	42,959	49,078	50,905	67,504	78,400	89,829	97,990	104,893	113,000
Percent of premium income.....	90.8	94.1	89.5	91.6	91.8	93.0	82.9	91.1	89.3	86.3	86.8
Operating expenses.....	2,269	3,999	5,227	5,574	6,740	7,939	9,378	11,242	12,808	14,271	16,252
Net underwriting gain.....	-715	-2,014	-169	-1,375	-1,634	-2,648	-3,359	-2,462	-1,114	2,330	696
Blue Cross-Blue Shield:											
Premium income.....	7,371	14,448	19,553	21,547	23,471	29,334	30,447	34,338	37,511	39,984	41,509
Claims expense.....	7,000	14,182	17,829	19,486	21,724	25,467	29,208	32,144	34,338	35,522	37,540
Operating expenses.....	534	1,093	1,399	1,502	1,718	1,951	2,250	2,476	2,710	3,159	3,729
Net underwriting gain.....	-224	-808	367	560	31	1,063	-1,012	-262	503	1,273	240
Insurance companies:¹											
Premium income.....	8,304	14,075	19,080	21,059	24,386	29,913	33,966	41,434	48,672	50,879	53,089
Claims expense.....	7,104	12,626	16,435	19,059	21,630	25,774	30,271	36,424	40,109	41,296	43,112
Net underwriting gain.....	-447	-1,374	-759	-1,790	-1,898	-1,948	-2,259	-2,397	-1,699	445	-129
Other plans:											
Premium income.....	1,195	4,657	9,403	10,971	14,154	17,347	20,006	22,907	25,201	30,632	35,542

¹ Excludes administrative service agreements and hospital indemnity. Hospital indemnity is a form of health insurance which provides a stipulated daily, weekly, or monthly indemnity during hospital confinement. Indemnity is payable on an unallocated basis without regard to actual expense of hospital confinement.

Source: U.S. Health Care Financing Administration, *Health Care Financing Notes*, Sept. 1987, and unpublished data.

NO. 844. HEALTH INSURANCE—PREMIUM INCOME AND BENEFIT PAYMENTS OF INSURANCE COMPANIES: 1970 TO 1986

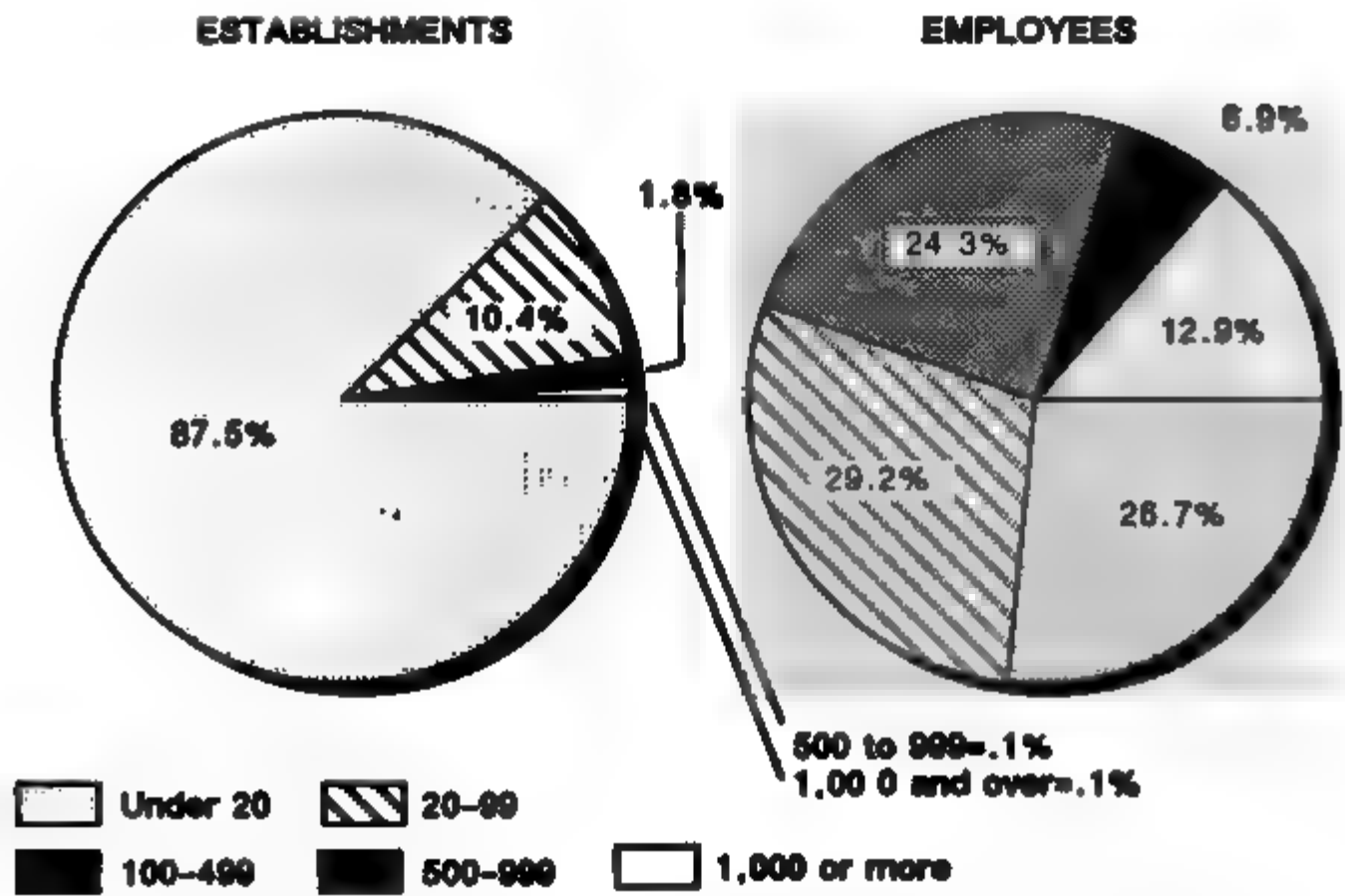
[In millions of dollars. Beginning 1975, includes Puerto Rico and other U.S. outlying areas. Represents premium income of and benefits paid by insurance companies only. Excludes Blue Cross-Blue Shield plans, medical-society sponsored plans, and all other independent plans]

ITEM	1970	1974	1977	1979	1978	1980	1981	1982	1983	1984	1985	1986
Premiums¹												
Group policies ²	8.1	15.9	23.2	29.9	31.7	36.8	42.5	50.0	54.9	60.9	64.4	65.9
Individual and family policies.....	3.4	4.9	5.4	5.9	6.2	9.9	6.5	8.3	8.3	9.6	10.8	9.6
Benefit payments												
Group policies ¹	6.1	16.5	22.1	26.4	31.7	37.9	41.8	48.2	61.7	68.0	69.0	64.3
Individual and family policies.....	7.5	14.2	19.5	22.9	27.9	33.0	37.7	44.2	46.9	50.3	53.7	58.9
Type of coverage:												
Loss of income.....	1.6	2.7	3.1	3.4	4.7	5.3	5.2	5.5	4.9	5.2	5.6	5.6
Medical expense.....	7.1	13.2	17.6	21.2	24.8	29.9	33.0	39.6	42.4	45.9	49.0	53.4
Dental.....	1	8	1.5	1.9	2.2	2.8	3.5	4.0	4.4	4.9	5.3	5.3

¹ 1970 refers to written premiums; thereafter, refers to earned premiums. ² Beginning 1975, insurance company group premium and benefit payments include administrative service agreements and minimum premium plans. Accounts for 1970 contain only a portion of these data.

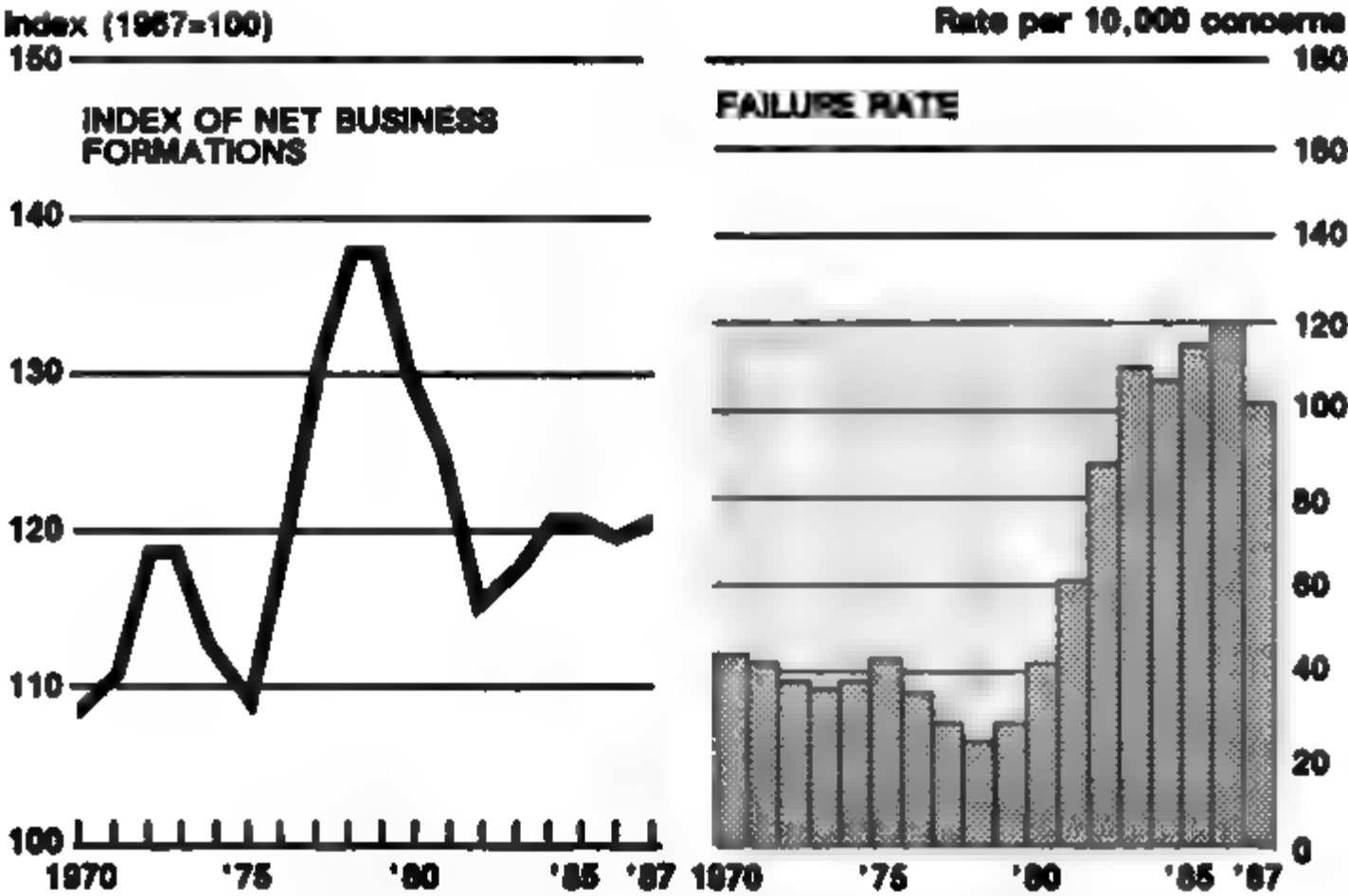
Source: Health Insurance Association of America, Washington, DC, *Source Book of Health Insurance Data*, various.

Figure 17.1
Establishments and Employees, by Employee Size
Class-Percent Distribution: 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 869.

Figure 17.2
Index of Net Business Formations and Business
Failure Rates: 1970 to 1987



Source: Chart prepared by U.S. Bureau of the Census. For data see table 863.



Section 17

Business Enterprise

This section relates to the place and behavior of the business firm, and to business initiative in the American economy. It includes data on the number, type, and size of businesses; financial data of domestic and multinational U.S. corporations and their foreign affiliates; business investment, expenditures, and profits; business sales and inventories; consumer cooperatives; and business failures. Additional business data may be found in other sections, particularly 27 and 28.

The principal sources of these data are the *Survey of Current Business*, published by the Bureau of Economic Analysis (BEA); the *Federal Reserve Bulletin*, issued by the Board of Governors of the Federal Reserve System; the annual *Statistics of Income* reports of the Internal Revenue Service (IRS); *The Failure Record Through 1987*, issued by the Dun & Bradstreet Corporation, New York; and *Fortune* and *The Fortune Directory*, issued by Time, Inc., New York. Other sources are publications of the Securities and Exchange Commission (SEC), the Bureau of the Census, and the Administrative Office of the United States Courts.

Business firms.—A firm is generally defined as a business organization under a single management and may include one or more establishments (i.e., a single physical location at which business is conducted). The terms firm, business, company, and enterprise are used interchangeably throughout this section. Examples of series where the industrial distribution is based on data collected from establishments are those on capital stock (table 879), those on gross national product by industry (table 686), and those on employment and earnings (section 13). Examples of company-based series are those on business expenditures for new plant and equipment (table 878), those from IRS *Statistics of Income* (tables 855 and 856), and those on corporation profits by industry (tables 889 and 890). A firm doing business in more than one industry is classified by industry according to the major activity of the firm as a whole. The industrial classification is based on the *Standard Industrial Classification (SIC) Manual* (see text, section 13).

The IRS concept of a business firm relates primarily to the legal entity used for tax reporting purposes. The IRS *Statistics of Income* reports present data, based on a sample of tax returns before audit, separately for sole proprietorships, partnerships, and active corporations. A *sole proprietorship* is an unincorporated business owned by one person including large enterprises with many employees and hired managers to the part-time operations in which the owner is the only person involved. A *partnership* is an unincorporated business owned by two or more persons, each of whom has a financial interest in the business. The "persons" could be individuals, estates, trusts, other partnerships or corporations. A *corporation* is a business that is legally incorporated under State laws. The IRS recognizes many types of businesses as corporations, including joint-stock companies; mutual and other insurance companies; and unincorporated associations such as business trusts, etc. While many corporations file consolidated tax returns, most corporate tax returns represent individual corporations, some of which are affiliated through common ownership or control with other corporations filing separate returns.

Assets and liabilities.—In its annual report, *Statistics of Income, Corporation Income Tax Returns*, the IRS presents balance sheet and income estimates for all active U.S. corporations. The Bureau of the Census issues the *Quarterly Financial Report for Manufacturing, Mining and Trade Corporations* (QFR), which presents quarterly income account and balance sheet data for manufacturing, mining, and trade industries. The Federal Reserve Board issues *Working Capital of U.S. Nonfinancial Corporations*, which presents data on components of current assets and liabilities of all nonfinancial U.S. corporations. Both of these reports were prepared by the Federal Trade Commission until responsibilities for QFR were transferred to Census beginning with the 4th quarter 1982 report.

One of the most comprehensive measures of the investment position of the business sector (and the only measure adjusted to current replacement cost) is the BEA capital stock series. See *Survey of Current Business*, August 1986.

Income, profits, dividends, and taxes.—Several agencies, among them IRS and BEA, compile corporate income account data. These data, however, are not comparable because of differing methods of compilation. A reconciliation of the two can be found in table 8.13 of *National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business* (normally the July issue), published by BEA. The IRS publishes financial data for all business enterprises. These data appear in *Statistics of Income—Corporation Income Tax Returns* and the *Statistics of Income Bulletin* (partnerships and sole proprietorships). Data on international income and taxes reported by U.S. corporations are also included in the *Statistics of Income Bulletin* and in the periodic *Compendium of Studies of International Income and Taxes*.

Corporate data issued by BEA are a part of its national income and product accounts (see text, section 14). The primary sources for BEA estimates of profits, taxes, dividends, and undistributed profits are the original corporate tax returns submitted to IRS. Various adjustments of IRS data are required by the national income treatment—particularly with respect to profits which would be disclosed if all tax returns were audited; depletion; capital gain or loss; treatment of bad debts; measurement of income received from abroad; and intercorporate dividends—to make the figures comparable with other entries in the national income accounts. For a discussion of two types of adjustments (inventory valuation and capital consumption), see text, section 14. The BEA's corporate profits data also include net earnings of Federal Reserve banks, credit unions, private noninsured pension funds, and several quasi-government credit agencies not included in IRS data.

Comparability of employment data.—Throughout various sections, employment statistics are presented by Bureau of the Census, Bureau of Labor Statistics, and Small Business Administration. Readers should note that all three data sources are not strictly comparable, due to differences in industrial coding and the treatment of closed businesses. In addition, the Small Business Administration omits startup retail and service businesses, and some mining firms are reported as owned by companies in the petroleum industry. Also, the classification of Bureau of the Census and Bureau of Labor Statistics data by establishment (not owning firm) produces some additional differences in industry classification.

NO. 845. EMPLOYMENT GROWTH BY MAJOR INDUSTRY FROM ALTERNATIVE SOURCES: 1980-1986

[In thousands, except percent change. Covers nonfarm, nongovernment employment. Minus sign (-) indicates decrease]

INDUSTRY	SMALL BUSINESS ADMINISTRATION			BUREAU OF LABOR STATISTICS			BUREAU OF THE CENSUS		
	Employment		Percent change 1980-1986	Employment		Percent change 1980-1986	Employment		Percent change 1980-1986
	1980	1986		1980	1986		1980	1986	
Total.....	82,071	91,186	11.10	74,166	82,822	10.88	74,844	83,380	11.41
Agriculture, forestry, fishing.....	611	646	16.52	(NA)	(NA)	(NA)	290	412	42.07
Mining.....	1,126	1,137	.80	1,027	777	-24.34	994	847	-14.78
Construction.....	4,748	5,011	5.54	4,346	4,816	10.81	4,473	4,660	4.16
Manufacturing.....	24,417	22,875	-6.32	20,295	18,965	-6.51	21,165	19,142	-9.56
Transportation, communications, utilities.....	5,672	6,160	4.90	5,146	5,255	2.12	4,823	4,894	1.45
Wholesale trade.....	5,499	6,262	13.86	5,275	5,753	9.06	5,211	5,725	9.86
Retail trade.....	15,011	17,143	14.20	15,035	17,000	13.28	15,047	17,550	16.63
Finance, insurance, real estate.....	5,736	7,098	23.76	5,160	6,263	21.36	5,296	6,371	20.32
Services.....	18,649	24,548	30.24	17,680	23,053	29.88	17,166	22,878	33.12

NA Not available. ¹ Total includes nonclassifiable establishments, not shown separately.

Source: U.S. Small Business Administration, Office of Advocacy, *Small Business Data Base*, USSEMI files, unpublished data, 1986; U.S. Bureau of Labor Statistics, *Employment, Hours and Earnings, United States, 1980-84*, and *Supplement to Employment and Earnings, 1985*; and U.S. Bureau of the Census, *County Business Patterns, U.S. Summary*, annual.

Sources and uses of corporate funds.—These data (table 895) show capital requirements of corporations and the manner in which they are financed. Sources of funds should be equal to their uses. Certain discrepancies, however, interfere with this equality due to omission of (1) money accruing to corporations from an excess of sales over purchases of used plant and equipment, (2) transactions in securities held as permanent investments except public offerings, and (3) net purchases of land. Also, the balance sheet data upon which many of the financial flow estimates are based are not fully comparable with the tax-return based estimates of internal sources, or the establishment series underlying the figures on inventory change.

Plant and equipment expenditures.—Estimates of actual and planned expenditures for new plant and equipment in the United States by most private nonagricultural business firms are based on quarterly sample surveys conducted by the Bureau of Economic Analysis.

For quarterly data, see current issues of the *Survey of Current Business*. For a discussion of coverage, concepts, and methodology, see the February 1985 issue of the *Survey*.

Sales and inventories.—Sales are estimated aggregate values, and inventories are book values at the end of the period. Sales signifies sales or shipments for retail and wholesale trade and billings or shipments for manufacturing. Trade inventories are valued at cost of merchandise on hand, while manufacturers' inventories are valued at approximate current costs or at book values, as reported by the manufacturer. Inventories (see table 883) are based on data from censuses (conducted every five years, for years ending in "2" and "7") and annual surveys. Monthly data for manufacturing appear in the Bureau of the Census Current Industrial Reports, *Manufacturers' Shipments, Inventories, and Orders*, series M3-1; for data on retail and wholesale trade, see section 28.

Sales, assets, net income, stockholder's equity, and total returns to investors.—Sales include service and rental revenues but exclude dividends, interest, and other non-operating revenues. All companies must have derived more than 50 percent of their sales from manufacturing and/or mining. Sales of subsidiaries are included when they are consolidated. Assets are those shown at the company's year-end. Net income is shown after taxes and after extraordinary credits or charges when any are shown on the income statement. Stockholder's equity is the sum of capital stock, surplus and retained earnings at the company's year-end. Redeemable preferred stock is excluded when its redemption is either mandatory or outside the control of the company, except in the case of cooperatives. Total returns to investors include both price appreciation and dividend yield. Returns are adjusted for stock splits, stock dividends, recapitalizations, and corporate reorganizations as they occur. For further discussion, see Time, Inc., New York, NY, *The Fortune Directory*, May and June issues.

Economic censuses.—The economic censuses constitute comprehensive and periodic canvasses of the Nation's industrial and business activities. The first economic census of the United States was conducted as part of the 1810 decennial census, when inquiries on manufacturing were included with the census of population. Minerals data were collected in 1840. The first censuses of construction and business were taken for 1929. An integrated economic census program was begun for 1954. In that year, the censuses covered the retail and wholesale trades, selected service industries, manufactures, and mineral industries. The economic censuses are taken at 5-year intervals covering years ending in "2" and "7".

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

No. 840. NUMBER OF RETURNS, RECEIPTS, AND NET INCOME, BY TYPE OF BUSINESS: 1970 TO 1985

[Figures are estimates based on samples; see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series V 1-12. For further information regarding corporations, see table 884]

ITEM	Unit	1970	1970	1970	1983	1981	1982	1983	1984	1989
Number.....	1,000.....	12,091	13,979	16,187	16,793	16,999	14,546	15,245	16,077	16,820
Receipts.....	Bil. dol.....	2,082	3,895	5,245	7,155	7,725	7,755	7,991	8,752	6,339
Net income (less loss) ¹	Bil. dol.....	198	198	361	392	984	198	245	391	310
Proprietorships, number ²	1,000.....	9,400	10,882	12,330	12,702	9,565	10,108	10,704	11,282	11,929
Business receipts ³	Bil. dol.....	238	399	483	506	427	434	465	516	540
Net income (less loss) ¹	Bil. dol.....	33	45	61	55	53	51	60	71	79
Partnerships, number.....	1,000.....	936	1,073	1,360	1,360	1,461	1,514	1,542	1,644	1,714
Total receipts ⁴	Bil. dol.....	93	147	258	292	272	297	291	375	388
Net income (less loss) ¹	Bil. dol.....	10	8	15	8	-3	-7	-3	-3	-9
Corporations, number.....	1,000.....	1,665	2,024	2,557	2,711	2,812	2,926	2,999	3,171	3,277
Total receipts ⁴	Bil. dol.....	1,751	3,198	5,899	6,961	7,026	7,024	7,135	7,951	8,398
Net income (less loss) ¹	Bil. dol.....	65	143	285	239	214	154	198	233	240

¹ Net income (less loss) is defined differently by form of organization, basically as follows: (a) Proprietorships: Total taxable receipts less total deductions, including cost of sales and operations (except charitable contributions and owners' salary). Investment and other income are excluded; (b) Partnerships: Total taxable receipts less total deductions, including cost of sales and operations (except foreign taxes and oil depletion), investment and other income (except capital gains); (c) Corporations: Total taxable receipts less total deductions, including cost of sales and operations; investment and other income, such as capital gains and income from foreign corporations considered received for tax purposes only; not income is before income tax. ² Through 1980, includes both individually owned businesses and farms; beginning 1981, includes only nonfarm businesses. ³ Receipts from sales and services; excludes capital gains and losses and other investment income not associated with taxpayer's business. ⁴ Receipts from sales and services plus investment income (for partnerships, excludes capital gains and losses).

Source: U.S. Internal Revenue Service, *Statistics of Income, Corporation Income Tax Returns*, and *Statistics of Income Bulletin*.

No. 847. NUMBER OF RETURNS AND BUSINESS RECEIPTS, BY SIZE OF RECEIPTS AND TYPE OF BUSINESS: 1970 TO 1985

[Figures are estimates based on sample of unaudited tax returns; see Appendix III. The industrial distribution is based on data collected from companies; see text, section 17. Due to minor variations in estimating techniques, totals differ slightly from those shown in other IRS tables in this section. See also *Historical Statistics, Colonial Times to 1970*, series V 1-12. For further information regarding corporations, see table 884]

SIZE-CLASS OF RECEIPTS	1970		1975		1983		1983		1984		1985	
	Re- turns (1,000)	Re- cepts (bil. dol.)	Re- turns (1,000)	Re- cepts (bil. dol.)	Re- turns (1,000)	Re- cepts (bil. dol.)	Re- turns (1,000)	Re- cepts (bil. dol.)	Re- turns (1,000)	Re- cepts (bil. dol.)	Re- turns (1,000)	Re- cepts (bil. dol.)
Corporate returns ¹	1,898	1,621	2,034	2,082	2,712	5,732	3,885	6,339	3,171	6,948	3,277	7,379
Under \$25,000.....	452	2	499	2	557	3	629	3	695	3	711	4
\$25,000-\$49,999.....	171	5	185	5	208	8	213	7	213	7	237	8
\$50,000-\$99,999.....	220	14	281	17	323	21	330	22	399	23	330	22
\$100,000-\$499,999.....	517	116	674	158	936	215	1,043	250	1,084	261	1,110	270
\$500,000-\$999,999.....	141	96	164	125	250	192	316	217	345	236	352	244
\$1,000,000 or more.....	165	1,391	250	2,658	418	5,294	498	5,958	505	6,417	538	6,823
Partnership returns ¹	989	90	1,073	146	1,898	398	1,541	243	1,243	318	1,714	398
Under \$25,000.....	502	3	550	4	686	4	791	2	820	2	640	2
\$25,000-\$49,999.....	125	4	140	5	162	7	177	3	197	4	195	3
\$50,000-\$99,999.....	120	8	133	10	164	13	204	8	209	8	200	6
\$100,000-\$499,999.....	162	33	204	44	290	64	292	42	313	46	356	49
\$500,000-\$999,999.....	17	12	26	17	46	33	54	25	61	27	67	29
\$1,000,000 or more.....	10	30	16	86	37	164	44	163	52	232	58	212
Non-farm proprietorship returns ²	³ 6,484	199	³ 7,789	274	³ 9,733	411	10,704	465	11,282	518	11,898	540
Under \$25,000.....	4,738	30	5,627	35	6,916	44	7,591	49	7,832	52	8,250	54
\$25,000-\$49,999.....	746	27	850	30	1,079	39	1,167	42	1,281	45	1,394	50
\$50,000-\$99,999.....	582	40	645	45	836	59	919	65	1,061	74	1,094	77
\$100,000-\$499,999.....	420	76	500	113	796	159	989	178	884	203	1,000	213
\$500,000-\$999,999.....	21	14	35	24	74	50	83	57	65	61	69	61
\$1,000,000 or more.....	7	12	13	26	29	61	35	74	87	81	41	95

¹ Includes firms with no receipts. ² Business receipts. Active firms only. ³ Number of businesses. Number of non-farm sole proprietorship returns is not available prior to 1981. However, the number of returns and the number of businesses are very closely related. Since 1970, the ratio of number of returns to the number of businesses has remained approximately 1 to 1.1.

Source: U.S. Internal Revenue Service, *Statistics of Income, Statistics of Income Bulletin*, and unpublished data.

NO. 845. NUMBER OF RETURNS, RECEIPTS, AND NET INCOME, BY TYPE OF BUSINESS AND INDUSTRY: 1985

[See headnote, table 847. For further information regarding corporations, see table 854. See *Historical Statistics, Colonial Times to 1970*, series V 42-53, for number of active corporations. Minus sign (-) indicates net loss]

INDUSTRY	NUMBER OF RETURNS (1,000)			BUSINESS RECEIPTS ¹ (bil. dol.)			NET INCOME (less loss) ² (bil. dol.)		
	Nonfarm proprietor- ships	Active partner- ships	Active corpora- tions	Nonfarm proprietor- ships	Active partner- ships	Active corpora- tions	Nonfarm proprietor- ships	Active partner- ships	Active corpora- tions
Total ³	11,929	1,714	3,277	540.0	302.7	7,388.5	78.8	- 8.9	240.1
Agriculture, forestry, and fishing ⁴	319	136	103	11.9	6.5	65.4	.9	- 1.0	-.1
Mining	176	62	41	12.5	19.9	126.7	.5	1.5	- 2.5
Construction	1,454	57	318	70.8	21.4	374.6	11.1	2.2	4.4
Manufacturing	326	30	277	16.9	22.5	2,656.3	1.3	- 1.1	113.8
Transportation, public utilities	546	25	138	25.9	11.2	733.9	2.4	- 3.1	25.1
Wholesale and retail trade ⁵	2,289	201	917	205.4	69.0	2,406.2	8.3	2.0	33.1
Wholesale	281	27	310	31.0	23.5	1,187.6	2.5	.5	16.0
Retail	1,956	173	604	172.5	45.4	1,218.6	5.5	1.5	17.2
Finance, insurance, real estate	1,014	844	518	31.4	⁶ 92.3	⁶ 1,182.0	9.8	- 25.9	60.7
Services	5,532	341	939	157.3	104.1	498.0	43.0	16.5	5.9

¹ See footnote 3, table 846. ² See footnote 1, table 846. ³ Includes business not specifically allocated to industries below. See also exception in footnote 6. ⁴ Represents agricultural services only. ⁵ Includes trade business not identified as wholesale or retail. ⁶ Includes total receipts from all sources (including investment income) for businesses in this category; therefore, the industry detail in this column exceeds the total.

Source: U.S. Internal Revenue Service, *Statistics of Income*, various publications.

NO. 849. NUMBER OF RETURNS, RECEIPTS, AND NET INCOME, BY INDUSTRY, TYPE OF BUSINESS, AND SIZE OF BUSINESS RECEIPTS: 1985

[Number in thousands; receipts and net income in millions of dollars. Figures are estimates based on a sample of unaudited tax returns; see Appendix III. The industrial distribution is based on data collected from establishments; see text, section 17. See *Historical Statistics, Colonial Times to 1970*, series V 42-53, for number of active corporations. Minus sign (-) indicates net loss]

INDUSTRY	Non- farm pro- prietor- ships, total	ACTIVE PARTNERSHIPS			ACTIVE CORPORATIONS				
		Under \$100,000 ²	\$100,000- \$499,999	\$500,000 or more	Under \$1,000,000 ²	\$1,000,000- \$4,999,999	\$5,000,000- \$9,999,999	\$10,000,000- \$49,999,999	\$50,000,000 or more
All industrial divisions: ³									
Number	11,929	1,235	356	123	2,740	408	65	53	11
Business receipts ⁴	540,045	12,763	49,481	240,489	546,880	832,403	427,259	976,236	4,586,762
Net income (less loss)	78,772	- 20,176	1,655	9,837	- 3,521	10,262	7,796	26,274	199,307
Agriculture, forestry, fishing: ⁵									
Number	319	126	8	2	94	8	1	1	(2)
Business receipts ⁴	11,927	416	1,673	4,440	16,382	15,754	5,657	11,760	15,866
Mining:									
Number	176	50	9	3	38	4	1	1	(2)
Business receipts ⁴	12,503	621	2,012	17,289	4,696	9,269	4,767	12,531	95,406
Construction:									
Number	1,454	30	22	5	254	53	7	4	(2)
Business receipts ⁴	70,790	1,146	5,178	15,152	63,865	108,278	48,844	80,042	73,561
Manufacturing:									
Number	326	17	10	3	185	63	14	12	3
Business receipts ⁴	16,937	259	2,027	20,301	48,768	140,509	95,623	244,826	2,126,617
Transportation, public utilities:									
Number	546	18	4	2	115	18	3	2	1
Business receipts ⁴	25,886	806	892	9,555	22,363	38,672	17,420	36,406	619,063
Wholesale and retail trade:									
Number	2,289	107	71	23	685	175	29	25	4
Business receipts ⁴	205,412	3,140	15,577	50,362	187,413	378,718	203,911	488,015	1,150,119
Finance, insurance, real estate:									
Number	1,014	654	138	52	479	26	6	6	2
Business receipts ⁴	31,418	956	4,041	40,915	34,554	25,515	11,843	40,735	389,347
Services:									
Number	5,532	221	88	32	869	61	6	3	1
Business receipts ⁴	157,334	5,251	17,244	81,701	167,417	114,544	38,888	61,009	116,124

² Less than 500 returns. ¹ Individually owned businesses. ² Includes businesses without receipts. ³ Includes businesses not allocable to individual industries. ⁴ Represents receipts from sales and services. ⁵ Excludes investment income reflected in table 848 for partnerships and corporations. ⁶ Represents agricultural services only.

Source: U.S. Internal Revenue Service, *Statistics of Income*, various publications and unpublished data.

NO. 850. NONFARM SOLE PROPRIETORSHIP RETURNS—SELECTED INCOME AND DEDUCTION ITEMS: 1970 TO 1986

[In millions of dollars, except as indicated. All figures are estimates based on sample. Tax law changes have affected the comparability of the data over time. See *Statistics of Income* reports for a description of appropriate years tax law changes; see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series V 4-6]

ITEM	1970	1975	1980	1982	1983	1984	1985	1986 ¹
Number of returns, total (1,000).....	5,770	7,321	² 8,532	² 10,186	10,704	11,352	11,829	12,385
Businesses with net income (1,000).....	(NA)	(NA)	(NA)	6,781	7,380	8,003	8,541	9,248
Inventory, end of year.....	11,061	15,578	21,966	21,805	(NA)	23,233	24,970	24,477
Business receipts, total ²	189,582	273,866	411,208	433,885	465,149	515,837	540,045	559,384
Income from sales and operations.....	(NA)	272,343	407,169	426,312	455,382	507,234	528,675	548,273
Business deductions, total ²	189,045	234,318	358,258	383,082	404,808	446,270	461,273	488,980
Cost of goods sold/operations.....	109,149	146,281	209,680	205,471	212,631	229,905	232,294	232,135
Purchases.....	88,586	117,722	188,302	181,295	(NA)	(NA)	(NA)	(NA)
Labor costs.....	7,704	8,791	10,822	11,425	9,371	13,009	14,504	17,318
Materials and supplies.....	6,216	9,091	12,009	12,736	(NA)	(NA)	(NA)	(NA)
Commissions.....	1,274	2,226	3,333	4,484	(NA)	(NA)	(NA)	5,481
Salaries and wages (net).....	15,107	20,226	26,581	30,403	31,866	34,686	36,266	38,691
Car and truck expenses.....	(NA)	(NA)	13,378	(NA)	14,758	17,524	17,044	18,381
Rent paid.....	4,637	6,576	9,636	11,787	11,631	14,278	15,259	15,854
Repairs.....	2,445	3,044	5,032	8,006	(NA)	(NA)	(NA)	(NA)
Taxes paid.....	3,776	5,424	7,872	7,748	(NA)	(NA)	(NA)	(NA)
Utilities.....	(NA)	(NA)	4,790	(NA)	(NA)	(NA)	(NA)	(NA)
Insurance.....	2,310	3,504	6,003	8,448	(NA)	(NA)	(NA)	10,783
Interest paid.....	1,784	3,391	7,190	10,143	9,928	11,025	11,914	11,504
Depreciation.....	5,452	7,866	13,953	19,122	22,070	23,900	26,291	28,418
Pension and profit sharing plans.....	73	125	141	136	123	256	311	638
Net income (less loss).....	30,537	39,537	54,947	50,873	60,368	70,787	78,773	80,423
Businesses with net income.....	33,736	45,625	65,010	65,647	75,618	80,849	98,776	110,497

NA Not available. ¹ Preliminary. ² Includes breakeven businesses. ³ Includes other amounts not shown separately.

Source: U.S. Internal Revenue Service, *Statistics of Income Bulletin*.

NO. 851. PARTNERSHIP RETURNS—SELECTED INCOME STATEMENT AND BALANCE SHEET ITEMS: 1970 TO 1986

[In millions of dollars, except as indicated. All figures are estimates based on sample. See headnote, table 850. See also Appendix III and *Historical Statistics, Colonial Times to 1970*, series V 7-8]

ITEM	1970	1975	1980	1981	1983	1985	1984	1986	1986
Active partnerships, number (1,000).....	989	1,573	1,888	1,461	1,514	1,542	1,844	1,714	1,783
Number with net income (1,000).....	640	851	774	749	791	794	845	878	861
Number with balance sheets (1,000).....	558	783	1,194	1,186	1,223	1,191	1,215	1,227	1,203
Number of partners (1,000).....	3,696	4,951	6,438	6,448	6,799	10,599	12,427	13,345	16,229
Assets, total ^{1,2}	116,733	235,489	597,504	718,233	845,381	888,983	1,030,849	1,389,434	1,403,789
Depreciable assets (net).....	(NA)	113,125	239,140	367,270	310,846	345,997	561,643	695,879	778,936
Inventories, end of year.....	(NA)	11,985	33,218	59,650	100,729	77,059	81,756	27,278	47,368
Land.....	(NA)	36,732	70,241	78,333	87,820	95,427	122,037	162,179	179,142
Liabilities, total ¹	(NA)	193,675	486,734	689,634	791,639	746,153	865,373	1,389,434	1,178,727
Accounts payable.....	(NA)	12,302	33,899	29,082	37,255	34,725	32,780	48,972	43,822
Short-term debt ³	(NA)	22,708	48,002	55,692	73,276	67,295	68,628	102,780	82,457
Long-term debt ⁴	(NA)	⁵ 136,297	176,044	195,509	236,218	268,298	322,327	361,981	429,196
Nonrecourse loans.....	(NA)	(?)	116,910	138,134	154,609	194,828	290,187	327,558	365,044
Partner's capital accounts.....	(NA)	41,593	108,770	135,199	143,651	141,840	175,478	200,213	228,023
Total receipts ¹	93,348	148,418	391,899	372,139	699,899	991,319	378,198	387,117	397,302
Business receipts.....	90,208	142,506	271,109	230,027	251,609	243,248	318,342	302,733	327,429
Interest received ⁶	942	2,447	10,689	13,773	15,260	15,006	16,651	20,559	21,716
Deductions, total ¹	63,568	140,880	363,748	374,895	304,086	293,829	378,683	376,691	414,673
Cost of goods sold/operations.....	48,041	64,873	113,886	130,044	144,586	125,331	160,856	148,315	184,185
Salaries and wages.....	8,129	12,489	22,336	21,953	23,205	24,734	28,523	33,984	38,305
Taxes paid.....	3,159	5,771	9,563	5,040	5,289	5,910	6,873	7,748	7,888
Interest paid.....	4,470	12,097	26,362	19,596	21,517	22,364	25,436	29,883	29,452
Depreciation.....	4,578	10,109	21,578	27,283	32,382	37,340	19,782	22,678	23,448
Net income (less loss).....	9,789	7,738	8,348	-2,738	-7,315	-2,510	-3,886	-3,884	-17,371
Businesses with net income.....	14,418	22,432	45,082	50,587	53,557	60,308	69,697	77,045	60,215

NA Not available. ¹ Includes other amounts not shown separately. ² Total assets, total liabilities, and partner's capital accounts are somewhat understated because not all partnership returns filed contained a complete balance sheet. ³ Represents mortgages, notes, and bonds payable in less than one year. ⁴ Represents mortgages, notes, and bonds payable in one year or more. ⁵ Tax year 1975 long term debt included nonrecourse loans. ⁶ Beginning 1982, includes both interest and dividends.

Source: U.S. Internal Revenue Service, *Statistics of Income Bulletin*, various publications.

No. 852. PARTNERSHIPS—SELECTED ITEMS BY INDUSTRIAL DIVISION: 1980 TO 1986

[In millions of dollars, except partners and partnerships in thousands. Includes partnership not allocable by nature of business. Figures are estimates based on samples. See Appendix B.]

INDUSTRY AND YEAR	NUMBER OF PARTNERSHIPS			Number of partners	Total assets	Business receipts ^{1,2}	Total deductions ²	Net income less loss ²	Net income	Net loss
	Total	With net income	With net losses							
All industries:										
1980	1,380	774	605	8,420	597,504	285,987	283,749	8,249	45,062	36,813
1982	1,514	791	723	9,765	845,281	284,037	304,005	-7,315	53,557	60,871
1983	1,542	784	758	10,589	866,993	278,347	293,929	2,610	60,308	62,918
1984	1,644	845	799	12,427	1,030,849	357,803	378,693	3,500	69,697	73,197
1985	1,714	876	838	13,245	1,269,434	349,189	376,001	-8,884	77,045	85,926
1986	1,703	851	851	15,229	1,403,750	343,511	414,673	17,371	80,215	97,586
Agriculture, forestry, and fishing:										
1980	126	72	54	381	24,595	21,611	22,659	472	2,539	2,067
1982	133	68	65	450	24,614	5,004	8,403	701	2,452	3,153
1983	137	73	63	466	24,717	5,949	8,772	145	2,626	2,771
1984	139	73	66	494	26,739	5,886	9,242	-749	2,478	3,227
1985	136	76	60	585	27,027	6,529	10,495	1,049	2,797	3,848
1986	147	78	69	642	24,749	6,065	9,825	938	2,746	3,684
Mining:										
1980	35	15	20	722	24,742	13,201	18,248	4,206	3,920	8,128
1982	56	23	33	1,574	45,550	17,563	26,626	6,630	5,795	14,625
1983	60	24	36	2,083	49,775	17,077	23,588	4,110	6,369	10,479
1984	57	31	26	2,007	52,415	16,638	21,885	89	7,857	7,768
1985	62	33	30	2,207	66,930	19,922	21,820	1,482	7,884	6,402
1986	53	23	30	2,351	66,969	14,749	21,290	3,458	5,214	8,672
Oil and gas extraction:										
1980	31	14	17	686	18,661	9,252	13,659	3,694	3,577	7,271
1982	51	22	29	1,512	36,048	13,717	23,525	7,727	5,493	13,220
1983	56	23	33	1,988	41,067	13,226	19,048	3,548	5,917	9,483
1984	51	27	24	1,833	41,266	14,177	16,674	787	7,349	6,561
1985	56	31	25	2,130	55,760	15,577	16,479	2,272	7,260	5,008
1986	49	22	27	2,270	55,987	10,985	16,382	2,657	4,680	7,317
Construction:										
1980	67	51	16	160	9,811	18,407	17,202	1,560	2,119	559
1982	66	47	19	152	11,654	18,052	17,181	1,419	2,061	642
1983	64	46	18	149	14,985	21,623	20,758	2,168	3,087	919
1984	65	47	18	173	13,783	23,196	21,855	2,193	2,966	773
1985	57	41	16	134	15,008	21,476	20,080	2,207	2,743	536
1986	61	41	20	137	16,556	26,823	25,123	2,498	3,206	706
Transportation and public utilities:										
1980	20	11	10	73	9,291	5,888	5,821	248	1,092	844
1982	18	8	10	93	17,671	6,570	7,577	781	1,098	1,859
1983	20	9	11	103	19,809	7,155	8,194	703	1,128	1,831
1984	21	14	7	142	21,109	10,733	13,332	2,007	1,280	3,288
1985	25	15	10	186	26,468	11,253	14,614	3,066	1,360	4,426
1986	21	7	14	223	33,567	12,599	16,276	3,029	1,682	4,712
Manufacturing:										
1980	30	20	10	92	11,252	15,327	16,142	-472	1,199	1,671
1982	23	14	9	77	13,022	14,824	15,960	616	940	1,756
1983	26	12	14	91	13,986	14,179	15,291	744	880	1,634
1984	30	15	15	94	19,574	16,326	20,046	1,101	1,166	2,266
1985	30	12	18	105	24,838	22,586	24,225	1,085	1,226	2,314
1986	26	17	11	106	25,299	22,227	23,187	458	1,512	1,970
Wholesale and retail trade:										
1980	200	123	77	487	17,727	66,793	63,988	2,475	3,374	900
1982	205	118	87	491	19,279	69,736	68,980	1,601	3,043	1,442
1983	194	102	92	479	19,804	59,880	59,140	1,540	3,012	1,472
1984	185	96	87	444	21,222	72,335	71,707	1,666	3,238	1,572
1985	201	113	88	493	20,568	69,079	68,119	1,977	3,467	1,490
1986	174	105	69	409	23,007	66,495	67,216	2,272	3,717	1,445
Finance, insurance, and real estate:										
1980	637	313	325	5,586	454,531	87,133	91,382	4,249	15,169	19,418
1982	726	334	392	5,757	647,465	85,905	97,061	11,156	19,485	30,621
1983	730	327	403	5,927	670,225	76,784	89,889	13,105	22,542	35,647
1984	791	360	441	7,406	770,457	94,362	113,606	19,244	25,646	44,890
1985	844	369	475	7,755	979,787	92,309	118,237	25,929	30,383	58,311
1986	853	350	503	9,459	1,068,220	112,594	145,574	32,980	32,477	65,457
Real estate:										
1980	464	211	253	3,212	275,895	60,637	63,924	3,287	8,125	11,412
1982	568	245	323	3,738	394,966	33,798	45,089	11,100	11,940	23,039
1983	585	245	341	4,326	465,891	41,355	56,234	14,879	14,601	29,480
1984	637	262	375	5,131	598,425	53,718	74,922	21,204	16,548	39,752
1985	694	285	409	5,992	724,342	59,746	69,505	29,759	21,007	50,786
1986	713	276	437	7,436	811,817	65,721	102,338	36,617	22,512	59,129
Services:										
1980	263	169	94	936	45,510	58,627	48,106	12,424	15,849	3,224
1982	279	175	104	1,147	64,798	65,835	59,827	11,902	18,558	6,858
1983	306	186	118	1,275	73,166	75,069	67,639	12,457	20,570	8,113
1984	331	204	127	1,578	87,984	90,244	82,239	15,583	24,800	9,217
1985	341	207	134	1,713	108,597	104,197	96,202	16,541	26,942	10,400
1986	325	208	117	1,744	123,461	111,701	102,362	18,983	29,021	10,458

¹ Business plus investment receipts for partnerships in finance, insurance, and real estate, and business receipts for all other industries. ² Beginning 1982, the agriculture, forestry, and fishing industries are based on revised collection procedures. See source for detail.

Source: U.S. Internal Revenue Service, *Statistics of Income, Partnership Returns—1978-1982*, and *Statistics of Income Bulletin*.

NO. 853. NONFINANCIAL CORPORATE BUSINESS-SECTOR BALANCE SHEET: 1970 TO 1987

[In billions of dollars. Represents year-end outstandings]

ITEM	1970	1975	1976	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total assets	1,306	2,210	3,077	3,516	4,001	4,461	4,632	4,854	5,202	5,456	5,716	6,022
Tangible assets (current cost)	935	1,652	2,311	2,618	2,988	3,363	3,508	3,611	3,850	3,997	4,145	4,350
Reproducible	823	1,487	2,078	2,352	2,671	2,993	3,107	3,186	3,366	3,502	3,616	3,798
Land	112	164	235	267	318	370	401	425	484	495	529	552
Financial assets	370	559	766	898	1,013	1,099	1,124	1,242	1,352	1,459	1,571	1,672
Liquid assets	66	125	160	186	214	255	297	351	388	415	472	513
Demand deposits and currency	44	54	58	60	65	65	74	80	87	97	108	106
Time deposits	5	22	31	36	42	80	72	88	101	111	121	139
Consumer credit	11	16	21	22	22	24	24	26	31	35	36	36
Mutual fund shares	1	1	1	1	2	2	3	5	7	13	15	18
Trade credit	195	256	367	437	486	509	493	555	602	637	649	691
Miscellaneous assets	94	160	217	252	290	309	306	303	324	360	399	413
Total liabilities	546	767	1,071	1,333	1,377	1,632	1,608	1,731	1,890	2,213	2,432	2,698
Credit market instruments	354	545	740	835	912	1,016	1,068	1,151	1,347	1,519	1,700	1,890
Profit taxes payable	11	14	25	27	25	18	4	10	11	9	10	10
Trade debt	162	160	284	317	356	387	392	483	467	500	503	522
Foreign direct investment in U.S.	13	26	42	54	83	109	125	137	165	185	209	244
Net worth	756	1,443	2,006	2,183	2,626	2,829	3,023	3,122	3,312	3,242	3,284	3,326

Source: Board of Governors of the Federal Reserve System, *Balance Sheets for the U.S. Economy*.

NO. 854. CORPORATION INCOME TAX RETURNS—SELECTED FINANCIAL ITEMS: 1970 TO 1986

[In billions of dollars, except number of returns. Federal returns and active corporations only. All corporations are required to file returns except those specifically exempt. See source for changes in law affecting comparability of historical data. Based on samples; see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series Y 381-392]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1986
Number of returns, total (1,000)	1,986	2,024	2,878	2,711	2,812	2,926	2,998	3,171	3,277
Number with net income (1,000)	1,006	1,228	1,599	1,597	1,597	1,606	1,678	1,778	1,820
S Corporation returns ¹ (1,000)	257	358	519	545	541	564	546	701	725
BALANCE SHEET									
Assets, total²	2,836	4,287	6,846	7,617	8,547	9,368	10,201	11,107	12,773
Cash	177	290	482	529	533	541	590	598	683
Notes and accounts receivable	615	1,052	1,617	1,985	2,240	2,420	2,677	2,897	3,318
Inventories	180	318	504	535	588	581	599	664	715
Investments in Government obligations	197	318	421	472	515	606	685	728	917
Mortgage and real estate	326	548	841	894	934	942	982	1,127	1,259
Other investments	401	826	1,028	1,214	1,388	1,805	1,798	1,973	2,414
Depreciable assets	869	1,277	1,897	2,107	2,353	2,588	2,730	2,913	3,174
Depletable assets	19	39	56	72	84	95	108	115	112
Land	47	67	85	93	102	110	119	128	141
Liabilities²	2,835	4,287	6,835	7,617	8,547	9,368	10,201	11,107	12,773
Accounts payable	149	263	483	542	620	679	671	741	892
Mortgages, notes, and bonds ³	171	272	452	505	586	667	760	867	1,001
Mortgages, notes, and bonds ⁴	363	587	885	987	1,056	1,224	1,323	1,494	1,699
Capital stock	201	252	353	417	533	588	787	839	920
Paid-in or capital surplus	197	299	448	532	671	782	674	1,066	1,421
Retained earnings ⁵	366	586	959	1,070	1,170	1,226	1,274	1,306	1,366
Net worth	782	1,087	1,720	1,944	2,244	2,470	2,645	2,994	3,304
INCOME STATEMENT									
Receipts, total²	1,781	3,199	5,816	6,361	7,026	7,094	7,136	7,891	8,388
Business receipts	1,621	2,982	5,153	5,732	6,245	6,157	6,335	6,948	7,370
Interest ⁶	72	143	299	367	494	530	511	580	635
Rents and royalties	17	27	40	54	68	83	83	90	105
Deductions, total²	1,993	3,063	5,332	6,126	6,814	6,899	6,845	7,629	8,188
Cost of sales and operations	1,146	2,130	3,722	4,205	4,509	4,271	4,308	4,693	4,894
Compensation of officers	33	58	97	109	120	129	141	157	171
Rent paid on business property	24	41	64	72	82	95	105	19	135
Taxes paid	50	82	128	163	170	186	173	192	201
Interest paid	62	129	262	346	477	515	475	536	569
Depreciation	53	86	136	157	186	213	241	265	304
Advertising	18	27	46	52	60	65	72	82	92
Net income (less loss), total	88	143	385	236	214	184	168	229	340
Net income	84	109	322	297	301	274	297	349	364
Deficit	18	26	37	68	87	120	109	116	124
TAX ITEMS									
Income subject to tax	72	147	280	247	240	205	219	257	288
Income tax before credits ⁷	23	66	119	104	101	85	90	106	109
Tax credits, total²	6	38	84	42	44	40	40	44	46
Foreign tax credit	5	20	37	25	22	19	20	21	24
Income tax after credits⁷	28	36	86	63	67	46	61	65	81

NA Not available. ¹ Small business corporations. Represents corporations with no more than 35 shareholders (10 prior to 1983), most of which are individuals, electing to be taxed at the shareholder level. ² Includes items not shown separately. ³ Payable in less than one year. ⁴ Payable in one year or more. ⁵ Appropriated and unappropriated. ⁶ Includes tax-exempt interest on Government obligations issued by U.S. State and local governments. ⁷ Consists of regular and alternative tax, excludes minimum tax and adjustments for certain prior year credits. Tax year 1970 includes surcharge of \$784 million.

Source: U.S. Internal Revenue Service, *Statistics of Income, Corporations Income Tax Returns*, annual.

**NO. 855. CORPORATION INCOME TAX RETURNS—FINANCIAL SUMMARY BY INDUSTRIAL DIVISION:
1970 TO 1985**

**(In billions of dollars, except as indicated. Industrial distribution based on data collected from companies, see text, section 17
Excludes corporations not allocable by nature of business)**

ITEM	1970	1975	1980	1981	1982	1983	1984	1985
Agriculture, forestry, and fishing:								
Returns (1,000)	37	58	81	85	91	92	98	103
Assets	11.9	21.2	40.7	48.1	50.4	50.3	50.7	52.7
Liabilities ¹	7.9	14.3	29.3	32.5	38.3	36.7	38.4	37.2
Receipts	14.3	28.1	52.1	65.1	65.4	59.2	66.6	70.5
Deductions	14.2	27.4	51.4	64.7	65.4	59.4	66.4	70.6
Net income (less loss)	60.1	7	7	3	(2)	2	2	1
Mining:								
Returns (1,000)	14	14	26	33	37	37	41	41
Assets	24.0	64.5	126.9	168.9	192.4	194.4	208.0	240.8
Liabilities ¹	10.6	31.7	72.9	98.4	112.5	108.8	114.7	136.0
Receipts	17.7	65.8	176.7	200.2	203.1	132.4	123.5	142.0
Deductions	15.9	42.3	166.1	195.0	203.0	134.3	124.6	145.4
Net income (less loss)	1.8	23.6	7.8	5.6	5	1.6	-4	-2.5
Construction:								
Returns (1,000)	139	191	272	276	262	264	307	318
Assets	42.7	78.7	132.9	150.8	153.1	161.4	195.3	215.3
Liabilities ¹	20.8	57.7	100.1	113.7	114.2	119.8	144.9	160.6
Receipts	90.6	147.0	267.2	280.2	261.7	290.8	338.6	367.2
Deductions	89.1	144.7	262.1	276.7	279.6	298.6	335.7	362.8
Net income (less loss)	1.5	2.2	5.3	3.5	2.3	2.3	2.9	4.4
Manufacturing:								
Returns (1,000)	198	217	243	251	259	262	272	277
Assets	612.9	944.6	1,709.5	1,833.7	2,080.7	2,233.0	2,417.8	2,644.4
Liabilities ¹	304.0	562.0	960.3	1,085.5	1,163.6	1,279.9	1,392.6	1,544.7
Receipts	723.0	1,296.4	2,404.3	2,813.5	2,488.3	2,552.8	2,768.2	2,831.1
Deductions	692.5	1,230.7	2,290.8	2,509.1	2,423.3	2,469.3	2,661.2	2,739.1
Net income (less loss)	31.6	68.4	125.7	118.6	75.6	95.3	121.2	113.8
Transportation and public utilities:								
Returns (1,000)	67	81	111	109	115	123	128	138
Assets	267.7	443.2	756.4	837.3	919.9	998.9	1,084.9	1,248.4
Liabilities ¹	166.5	286.8	467.7	518.4	567.0	604.6	660.9	755.9
Receipts	135.5	243.5	523.8	596.5	632.3	657.4	725.6	772.4
Deductions	127.9	233.4	504.0	579.2	614.4	636.2	697.2	747.8
Net income (less loss)	7.5	10.1	20.0	19.6	18.3	19.5	26.9	25.1
Wholesale and retail trade:								
Returns (1,000)	516	615	800	817	840	852	897	917
Assets	192.2	323.5	548.9	708.1	753.4	804.2	899.0	1,010.0
Liabilities ¹	115.2	280.8	424.6	472.3	501.9	539.0	609.7	723.7
Receipts	522.5	989.9	1,955.5	2,039.8	2,017.7	2,119.4	2,307.6	2,479.9
Deductions	512.9	947.5	1,919.5	2,008.9	1,989.7	2,084.5	2,265.8	2,440.4
Net income (less loss)	9.7	22.5	35.8	33.3	28.4	35.3	42.0	33.1
Finance, insurance, and real estate:								
Returns (1,000)	406	412	483	470	462	480	497	518
Assets	1,401.2	2,322.0	4,022.2	4,486.2	4,987.5	5,487.2	5,939.0	7,029.5
Liabilities ¹	1,204.7	2,052.2	3,491.7	3,830.0	4,220.5	4,670.4	5,037.3	5,867.5
Receipts	177.3	315.8	697.5	877.8	949.9	902.8	1,033.1	1,182.0
Deductions	161.6	298.0	652.6	836.8	915.2	855.7	985.7	1,104.6
Net income (less loss)	12.2	11.7	33.1	26.3	21.6	31.7	32.7	60.7
Services:								
Returns (1,000)	261	436	671	753	820	848	899	939
Assets	61.9	90.5	178.2	213.7	237.8	269.8	307.9	331.0
Liabilities ¹	42.3	63.7	125.3	152.7	170.1	196.1	223.1	241.1
Receipts	69.6	131.4	279.9	346.8	380.8	416.5	490.3	534.6
Deductions	66.4	128.0	271.8	338.8	373.7	410.5	485.0	526.7
Net income (less loss)	1.2	3.4	8.2	8.2	7.2	6.0	5.5	5.9
ANNUAL PERCENT CHANGE								
Receipts:								
Agriculture, forestry, and fishing	17.7	10.5	-2.4	24.9	5	-9.4	12.6	5.9
Mining	9.3	1.7	33.3	13.3	1.5	-34.8	8.7	15.0
Construction	8.0	7.2	6.7	4.9	6	2.2	18.4	14.4
Manufacturing	1.8	(-2)	11.7	5.7	4.8	2.6	8.4	2.3
Transportation and public utilities	6.2	9.6	17.5	14.3	5.6	4.0	10.3	6.4
Wholesale and retail	2.8	5.0	11.6	4.3	1.1	5.0	8.9	7.2
Finance, insurance, and real estate	7.9	4.2	24.3	25.9	8.2	5.0	14.4	14.4
Services	15.9	13.7	14.2	23.9	9.8	9.4	17.7	9.0

² Less than half the measure. ¹ Liabilities does not include net worth.

Source: U.S. Internal Revenue Service, *Statistics of Income, Corporations Income Tax Returns*, annual.

NO. 856. ACTIVE CORPORATIONS—INCOME TAX RETURNS, BY ASSET SIZE-CLASS, AND BY INDUSTRY, 1985

(In millions of dollars, except returns. Excludes corporations not allocable by nature of business. The industrial distribution is based on data collected from companies; see text, section 17. Detail may not add to total because of rounding and the exclusion of data to prevent disclosure of individual taxpayer's identity. See table 854. See also *Historical Statistics, Colonial Times to 1970*, series V 167-183 and V 193-196)

INDUSTRY AND ITEM	Total	ASSET SIZE-CLASS					
		Under 10 mil. dol. ¹	10-24.9 mil. dol.	25-49.9 mil. dol.	50-99.9 mil. dol.	100-249.9 mil. dol.	250 mil. dol. and over
Agriculture, forestry, and fishing: Returns...	103,166	102,791	236	75	33	18	5
Assets	52,661	50,483	3,850	2,462	2,245	2,232	2,660
Receipts	70,481	51,160	4,146	2,746	2,923	4,666	4,830
Deductions	70,559	51,521	4,170	2,759	2,917	4,636	4,553
Net income (less loss)	-74	-302	-26	-12	5	54	294
Mining: Returns...	41,436	40,362	802	249	130	76	74
Assets	240,916	19,299	7,666	6,641	9,153	13,699	182,007
Receipts	142,036	24,899	5,313	6,039	4,975	9,464	91,314
Deductions	145,980	26,149	5,704	6,404	5,125	9,430	92,663
Net income (less loss)	-2,643	-1,219	-401	-370	-153	26	-427
Construction: Returns...	318,276	316,218	1,327	405	140	48	36
Assets	216,296	111,773	19,750	13,751	10,866	7,254	51,603
Receipts	307,233	279,838	29,976	18,932	12,263	9,491	37,166
Deductions	302,823	278,216	29,542	18,647	12,270	9,431	36,617
Net income (less loss)	4,371	3,118	395	30	10	58	780
Manufacturing: Returns...	278,545	267,415	4,834	1,863	665	650	794
Assets	2,644,393	178,163	74,373	65,754	70,387	116,631	2,141,184
Receipts	2,891,082	427,657	129,340	101,600	101,521	163,067	1,917,261
Deductions	2,733,105	417,806	125,346	98,203	98,043	147,166	1,845,942
Net income (less loss)	113,759	9,945	4,033	3,366	3,485	6,209	66,706
Transportation and public utilities:							
Returns	136,337	136,617	857	376	142	122	324
Assets	1,246,427	44,615	13,457	13,149	10,124	25,379	1,139,703
Receipts	772,356	109,533	17,630	14,673	10,668	20,676	598,746
Deductions	747,636	109,643	17,393	14,484	10,631	20,423	574,762
Net income (less loss)	25,066	-415	236	207	70	457	24,534
Wholesale and retail trade: Returns...	917,301	910,604	4,301	1,266	520	377	244
Assets	1,009,966	351,642	64,491	43,477	38,917	63,343	460,086
Receipts	2,473,888	1,246,444	164,736	111,600	85,724	162,273	672,896
Deductions	2,440,403	1,236,115	161,864	110,225	84,211	159,614	666,256
Net income (less loss)	33,127	10,309	2,739	1,663	1,609	2,675	14,336
Finance, insurance, and real estate:							
Returns	518,432	486,180	7,308	5,546	4,017	2,865	2,466
Assets	7,029,483	167,230	118,925	199,446	261,644	453,010	5,789,296
Receipts	1,182,034	136,414	32,946	36,970	30,139	60,607	635,324
Deductions	1,104,572	132,291	31,753	34,903	47,511	64,828	773,600
Net income (less loss)	60,671	3,336	856	706	1,610	4,409	49,413
Services: Returns...	938,380	936,749	1,529	657	264	185	107
Assets	330,969	145,579	23,131	19,623	19,122	26,542	84,982
Receipts	634,586	373,333	27,669	20,609	21,263	24,249	66,864
Deductions	626,836	370,196	27,666	20,604	20,969	23,912	66,379
Net income (less loss)	5,634	3,049	299	281	308	329	1,611

¹ Includes returns with zero assets.

Source: U.S. Internal Revenue Service, *Statistics of Income, Corporation Income Tax Return*, annual.

NO. 857. WORKING CAPITAL OF NONFINANCIAL CORPORATIONS: 1975 TO 1985

(In billions of dollars, except ratios. As of December 31. Covers all nonfinancial U.S. corporations)

ITEM	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Current assets	798.3	823.1	868.6	1,026.1	1,200.9	1,381.6	1,374.5	1,426.4	1,667.3	1,709.0	1,778.6
Cash on hand and in banks ¹	60.0	69.6	64.3	103.7	116.1	121.0	126.8	144.1	195.8	173.6	188.0
U.S. Government securities	19.6	26.0	18.7	17.8	15.6	17.3	19.2	22.4	30.6	36.2	32.3
Receivables, total ²	272.1	292.4	325.0	381.8	456.6	491.2	526.0	511.0	577.9	633.1	671.2
Inventories	314.7	341.4	375.6	426.3	501.7	525.4	560.2	575.2	599.3	666.9	663.9
Other current assets	69.9	76.4	67.3	66.3	110.7	126.7	140.5	172.7	183.7	203.2	223.2
Current liabilities	446.9	467.6	546.6	661.6	806.1	677.2	623.2	677.8	1,043.8	1,163.6	1,233.7
Payables	261.2	273.2	313.7	375.1	466.3	498.3	520.4	552.8	577.8	647.8	683.1
Other current liabilities	185.7	214.2	232.1	286.6	352.8	378.8	402.9	425.0	466.1	515.8	549.7
Net working capital	309.6	306.6	344.1	364.2	391.6	464.4	481.3	447.8	614.3	539.5	545.7
Liquidity ratio ³	.379	.366	.366	.329	.300	.302	.310	.347	.385	.355	.380
Current ratio ⁴	1.693	1.696	1.646	1.553	1.484	1.481	1.489	1.458	1.493	1.464	1.443

¹ Includes time certificates of deposits. ² Includes U.S. Government receivables. ³ Cash plus U.S. Government securities plus "other current assets," divided by "current liabilities." ⁴ "Current assets" divided by "current liabilities."

Source: Through 1991, U.S. Federal Trade Commission, thereafter, U.S. Bureau of the Census. Published quarterly in Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*.

NO. 858. ESTABLISHMENTS, EMPLOYEES, AND PAYROLL, BY INDUSTRY: 1975 TO 1986

[See headnote, table 858]

INDUSTRY	ESTABLISHMENTS (1,000)				EMPLOYEES (1,000)				PAYROLL (bil dol)			
	1975	1980	1985	1986	1975	1980	1985	1986	1975	1980	1985	1986
All industries ¹	4,114	4,543	5,701	5,887	68,519	74,844	81,111	83,388	985	1,835	1,514	1,888
Agricultural services ²	40	46	64	68	195	290	380	412	2	3	5	6
Mining	24	30	37	35	720	984	943	847	10	22	28	24
Contract construction	364	418	476	492	3,322	4,473	4,480	4,659	44	75	98	104
Manufacturing	306	319	358	355	18,372	21,165	19,429	19,142	213	355	458	468
Transportation ³	147	168	203	210	3,908	4,623	4,809	4,884	51	86	123	128
Wholesale trade	350	385	438	440	4,332	5,211	5,624	5,725	52	89	130	138
Retail trade	1,180	1,223	1,407	1,441	12,271	15,047	16,852	17,550	76	124	179	193
Finance and insurance ⁴	372	421	438	504	4,247	5,295	6,004	6,371	42	77	132	151
Services	1,118	1,278	1,712	1,811	12,655	17,186	21,549	22,878	102	197	346	381

¹ Includes nonclassifiable establishments, not shown separately. ² Includes forestry and fisheries. ³ Includes other public utilities. ⁴ Includes real estate.

Source: U.S. Bureau of the Census, *County Business Patterns*, annual.

NO. 859. ESTABLISHMENTS, EMPLOYEES, AND PAYROLL, BY EMPLOYMENT-SIZE CLASS AND INDUSTRY: 1986

[Excludes government employees, railroad employees, self-employed persons, etc. See "General Explanation" in source for definitions and statement on reliability of data. An establishment is a single physical location where business is conducted or where services or industrial operations are performed]

EMPLOYMENT SIZE-CLASS	Unit	All industries ¹	Agricultural services ²	Mining	Contract construction	Manufacturing	Transportation ³	Wholesale trade	Retail trade	Finance and insurance ⁴	Services
Establishments, total	1,000	5,887	98	35	492	355	210	440	1,441	984	1,811
Under 20 employees	1,000	5,082	65	28	445	230	170	374	1,237	450	1,639
20 to 99 employees	1,000	605	3	6	42	88	32	59	184	45	139
100 to 499 employees	1,000	107	(Z)	1	5	32	7	6	19	7	29
500 to 999 employees	1,000	8	(Z)	(Z)	(Z)	4	1	(Z)	1	1	3
1,000 or more employees	1,000	5	(Z)	(Z)	(Z)	2	(Z)	(Z)	(Z)	(Z)	2
Employees, total	1,000	83,388	412	847	4,659	19,142	4,884	5,725	17,550	6,371	22,878
Under 20 employees	1,000	22,296	235	141	1,877	1,420	823	2,048	6,418	1,838	6,746
20 to 99 employees	1,000	24,311	110	240	1,807	3,900	1,312	2,231	7,321	1,807	5,621
100 to 499 employees	1,000	20,260	52	278	797	6,525	1,352	1,108	3,230	1,418	5,499
500 to 999 employees	1,000	5,780	10	103	142	2,409	416	190	346	427	1,735
1,000 or more employees	1,000	10,734	4	85	236	4,668	980	147	235	882	3,277
Annual payroll	Bil. dol.	1,888	5.8	24.5	184.5	467.8	127.7	138.2	193.8	151.8	381.4
Under 20 employees	Bil. dol.	375	3.4	3.3	37.0	27.8	16.3	45.5	88.0	38.5	121.8
20 to 99 employees	Bil. dol.	414	1.5	6.1	37.3	79.4	30.1	53.0	76.4	42.0	86.8
100 to 499 employees	Bil. dol.	391	.7	8.7	20.3	142.3	35.8	29.3	38.4	34.5	80.7
500 to 999 employees	Bil. dol.	132	(Z)	3.6	3.7	59.9	13.0	5.8	5.6	11.0	29.5
1,000 or more employees	Bil. dol.	296	(Z)	2.8	6.2	156.5	32.4	4.7	5.0	25.3	62.6

Z Less than 500 establishments or \$500 million. ¹ Includes nonclassifiable establishments not shown separately. ² Includes forestry and fisheries. ³ Includes other public utilities. ⁴ Includes real estate.

Source: U.S. Bureau of the Census, *County Business Patterns*, annual.

NO. 860. EMPLOYEES AND PAYROLL, BY EMPLOYMENT-SIZE CLASS: 1975 TO 1986

[See headnote, table 859]

EMPLOYMENT-SIZE CLASS	Unit	1975	1979	1980	1981	1982	1983	1984	1985	1986
Employees, total ¹	1,000	68,519	75,411	74,844	74,848	74,287	72,974	78,021	81,111	83,388
Under 20 employees	1,000	16,383	19,406	19,423	19,515	19,696	20,136	21,171	21,810	22,296
20 to 99 employees	1,000	16,272	20,982	21,188	21,231	21,143	20,806	22,449	23,539	24,311
100 to 499 employees	1,000	13,713	17,527	17,840	17,977	17,444	16,794	18,348	19,410	20,260
500 to 999 employees	1,000	4,872	5,760	5,669	5,497	5,436	5,186	5,614	5,718	5,780
1,000 or more employees	1,000	9,315	10,976	10,716	10,830	10,376	10,050	10,413	10,645	10,734
Annual payroll ¹	Bil. dol.	985	982	1,035	1,076	1,198	1,339	1,339	1,514	1,888
Under 20 employees	Bil. dol.	138	210	231	254	272	298	326	352	375
20 to 99 employees	Bil. dol.	147	239	261	266	303	319	358	388	414
100 to 499 employees	Bil. dol.	135	224	249	279	286	297	334	362	391
500 to 999 employees	Bil. dol.	53	84	91	99	104	107	120	126	132
1,000 or more employees	Bil. dol.	123	196	208	229	234	248	269	286	296

¹ Prior to 1986, totals for employees and annual payroll have been revised. Detail may not add to totals because revisions for size class are not available.

Source: U.S. Bureau of the Census, *County Business Patterns*, annual.

No. B51. SOURCES OF JOB GROWTH, BY STATE: 1980-1988

[In thousands, except percent change. Excludes government employment. Covers approximately 83 percent of full-time business activity, generally firms with at least one paid employee, with a Dun and Bradstreet credit rating, or using insurance markets. Based on the Small Business Data Base, USEDM file, version 8, 1987, a longitudinally weighted 50 percent sample of SBA's universe U.S. Establishment and Enterprise Microdata (USEEM) files. Minus (-) sign indicates decrease]

DIVISION AND STATE	All jobs, 1988	CHANGE, 1980-1988		JOB CHANGE DUE TO ESTABLISHMENT—			
		Number	Per- cent	Births	Expan- sions	Deaths	Contra- ctions
U.S.	91,247.7	10,470.0	12.98	31,848.8	12,884.8	-25,205.2	-8,855.8
New England	6,768.8	776.4	15.58	1,812.8	901.7	1,480.7	477.4
Maine	419.2	32.0	8.28	114.8	70.8	118.7	-34.7
New Hampshire	416.5	84.8	25.55	147.8	71.0	-86.2	-35.7
Vermont	160.4	25.2	16.27	59.0	26.4	-45.5	14.7
Massachusetts	2,745.7	354.4	14.82	847.7	461.1	709.8	234.8
Rhode Island	404.1	34.9	9.46	115.7	64.6	113.5	-31.9
Connecticut	1,592.9	245.0	18.18	528.1	217.7	-374.9	-125.9
Middle Atlantic	14,417.8	1,188.6	8.74	4,878.2	2,036.8	4,086.1	1,386.4
New York	6,872.2	822.0	9.96	2,134.4	1,003.2	1,903.2	-812.3
New Jersey	3,225.3	453.3	18.38	1,151.1	451.3	-908.1	243.0
Pennsylvania	4,320.1	83.1	1.96	1,269.7	581.2	1,246.7	541.0
East North Central	18,184.9	246.8	1.58	4,846.3	2,038.3	4,880.4	-2,147.8
Ohio	4,267.7	108.1	2.55	1,343.4	513.0	-1,202.2	-548.1
Indiana	2,084.7	-21.7	-1.04	680.8	247.9	621.7	308.7
Illinois	4,855.2	85.2	1.79	1,510.2	614.8	1,342.6	697.2
Michigan	3,134.3	18.1	.52	916.9	415.2	833.7	381.9
Wisconsin	1,863.0	62.8	3.49	517.5	237.4	-480.3	211.7
West North Central	8,488.6	832.3	10.40	2,131.8	887.4	1,897.6	888.1
Minnesota	1,728.5	286.4	18.14	561.5	286.7	-388.7	-173.1
Iowa	968.6	1.0	-.10	294.4	119.9	-277.8	137.4
Missouri	1,086.5	143.4	7.78	603.5	257.9	531.2	188.8
North Dakota	200.6	21.5	12.02	69.2	27.2	47.7	17.1
South Dakota	217.7	29.8	16.85	77.7	22.2	-47.0	23.2
Nebraska	651.6	102.1	18.88	250.5	65.3	-155.8	-57.8
Kansas	915.0	71.0	8.41	294.8	108.1	-238.4	-93.8
South Atlantic	16,044.8	2,717.4	22.04	5,631.4	2,168.1	3,888.4	1,213.7
Delaware	249.5	72.2	40.75	104.4	38.0	-48.5	-20.7
Maryland	1,629.3	284.0	21.21	594.9	258.3	434.0	-133.1
District of Columbia	530.0	80.1	20.50	200.7	88.9	119.8	60.8
Virginia	2,078.9	384.1	22.86	771.4	292.3	510.3	188.3
West Virginia	500.6	-31.3	-5.86	135.7	59.8	162.2	74.4
North Carolina	2,307.2	412.3	21.78	750.5	348.8	-513.5	174.8
South Carolina	1,123.1	135.7	13.74	387.3	136.0	283.4	103.3
Georgia	2,461.5	445.3	22.09	906.3	349.4	638.8	171.6
Florida	4,169.8	924.9	28.60	1,780.1	817.7	-1,167.1	-305.8
East South Central	6,037.7	487.0	10.22	1,736.7	677.7	1,473.8	483.8
Kentucky	1,146.5	10.7	.94	359.5	157.7	-378.7	127.8
Tennessee	1,885.2	264.1	15.77	645.7	261.1	-501.3	-151.4
Alabama	1,241.2	86.4	8.81	443.4	170.7	-390.4	125.2
Mississippi	784.8	103.8	15.24	278.1	88.2	203.2	59.3
West South Central	10,044.6	1,422.4	16.50	3,888.0	1,364.1	2,904.8	-986.1
Arkansas	782.4	61.9	8.80	242.4	102.6	-206.1	74.9
Louisiana	1,542.1	183.8	11.89	581.5	228.2	464.7	181.2
Oklahoma	1,088.6	55.7	5.40	399.4	132.3	354.7	121.3
Texas	6,831.4	1,140.9	20.78	2,784.7	882.2	1,877.2	638.8
Mountain	4,815.3	631.7	21.98	1,902.1	652.8	1,367.1	368.2
Montana	241.5	5.2	2.20	81.5	31.9	88.1	22.2
Idaho	303.8	30.3	11.08	112.0	33.7	89.0	26.3
Wyoming	184.7	13.8	7.73	64.1	17.4	71.4	23.9
Colorado	1,437.2	304.4	26.87	575.4	211.4	376.8	105.5
New Mexico	424.8	28.8	7.21	158.8	54.3	-146.8	-37.7
Arizona	1,033.1	304.4	41.78	470.4	154.9	253.7	67.2
Utah	805.3	105.9	21.20	275.6	84.8	198.4	58.1
Nevada	404.9	88.7	19.71	184.2	84.5	136.8	25.3
Pacific	13,486.6	2,216.8	18.86	6,180.3	1,977.6	3,808.8	1,106.1
Washington	1,483.7	173.8	13.47	557.7	188.0	413.3	158.7
Oregon	1,000.2	81.7	8.90	358.8	128.9	-287.3	116.8
California	10,442.5	1,884.0	21.73	4,020.6	1,577.5	2,957.4	776.8
Alaska	187.1	60.7	57.07	77.4	31.8	37.7	10.8
Hawaii	412.2	35.8	9.46	137.8	51.2	-110.8	42.5

Source: U.S. Small Business Administration, Office of Advocacy, unpublished data.

No. 862. CONSUMER AND FARMER COOPERATIVES, BY TYPE OF ASSOCIATION: 1961 TO 1966

(Members in thousands; business in millions of dollars. Business refers to loans outstanding)

TYPE OF ASSOCIATION	1961			1965			1966		
	Associa- tions	Mem- bers	Busi- ness	Associa- tions	Mem- bers	Busi- ness	Associa- tions	Mem- bers	Busi- ness
Credit unions ¹	20,697	45,089	50,394	15,045	45,265	74,409	14,893	46,408	66,139
Electric power cooperatives ²	869	9,028	7,440	868	10,032	11,032	862	10,251	11,408
Rural telephone cooperatives ²	254	952	391	250	1,047	607	250	1,062	639
Farmer cooperatives selling producer and consumer goods ³	5,009	(NA)	17,059	4,288	(NA)	16,541	4,151	(NA)	15,095

NA Not available. ¹ Beginning 1965, covers federally insured credit unions. Source: National Credit Union Administration, *Annual Report of the National Credit Union Administration*. ² Source: U.S. Rural Electrification Administration, *Statistical Report—Rural Electric Borrowers*. ³ Source: U.S. Rural Electrification Administration, *Statistical Report—Rural Telephone Borrowers*. ⁴ Data for fiscal years ending June 30 or earlier in years shown.

Source: Except as noted, U.S. Dept. of Agriculture, Agricultural Cooperative Service, unpublished data.

No. 863. INDUSTRIAL AND COMMERCIAL STARTS AND FAILURES—NUMBER AND LIABILITIES: 1970 TO 1967

(Excludes Hawaii prior to 1975, Alaska prior to 1976. Commercial and industrial failures only through 1963, excluding failures of banks, railroads, real estate, insurance, holding, and financial companies, steamship lines, travel agencies, etc. Data for 1964-67 based on expanded coverage and new methodology and are therefore not generally comparable with earlier data. See also *Historical Statistics, Colonial Times to 1970, series V 20-30*.)

YEAR	Total con- cerns in business ¹ (1,000)	Index of net business formations ² (1967 = 100)	New incor- porations ² (1,000)	FAILURES ³			YEAR	Total con- cerns in business ¹ (1,000)	Index of net business formations ² (1967 = 100)	New incor- porations ² (1,000)	FAILURES ³		
				Num- ber	Rate per 10,000 con- cerns	Cur- rent liabil- ities ⁴ (mil. dol.)					Num- ber	Rate per 10,000 con- cerns	Cur- rent liabil- ities ⁴ (mil. dol.)
1970	2,442	106.6	264	10,746	44	1,866	1963	2,651	117.5	600	31,334	110	16,073
1975	2,579	109.8	328	11,432	43	4,360	1964	4,665	121.3	635	52,078	107	29,269
1980	2,760	120.9	534	11,742	42	4,635	1965	4,990	120.8	852	57,078	115	36,837
1981	2,745	124.8	561	16,794	61	6,955	1966	5,119	120.4	703	61,616	120	44,724
1982	2,806	118.4	567	24,906	68	15,611	1967, prel.	6,004	120.8	665	51,209	102	36,337

¹ Data through 1963 represent number of names listed in July issue of *Dun & Bradstreet Reference Book*. Data for 1964-67 represent the number of establishments listed in the *Dun's Census of American Business*. The base has been changed due to expanded business failure coverage. ² Source: U.S. Bureau of Economic Analysis, *Business Conditions Digest*, January, 1968 and June issues. ³ Includes concerns discontinued following assignment, voluntary or involuntary petition in bankruptcy, attachment, execution, foreclosure, etc., voluntary withdrawals from business with known loss to creditors, also enterprises involved in court action, such as receivership and reorganization or arrangement which may or may not lead to discontinuance, and businesses making voluntary compromise with creditors out of court. ⁴ Liabilities exclude long-term publicly held obligations, offsetting assets are not taken into account.

Source: Except as noted, Dun & Bradstreet Corporation, New York, NY, *The Failure Record Through 1967 and Monthly Failure Report*.

No. 864. NEW BUSINESS INCORPORATIONS AND NUMBER OF FAILURES, BY STATE: 1966 AND 1967

(1967 preliminary Business Incorporations in thousands. See headnote, table 863)

DIV- ISION AND STATE	NEW BUSINESS INCORPORATIONS		NUMBER OF FAILURES		DIV- ISION AND STATE	NEW BUSINESS INCORPORATIONS		NUMBER OF FAILURES		DIV- ISION AND STATE	NEW BUSINESS INCORPORATIONS		NUMBER OF FAILURES	
	1966	1967	1966	1967		1966	1967	1966	1967		1966	1967	1966	1967
U.S.	762.7	664.8	61,616	61,209	W.N.C.— Con					W.S.C.				
AL	41.9	42.0	1,199	1,033	MO	11.2	10.3	1,633	1,566	W.S.C.	63.8	57.8	12,752	12,766
AK	3.0	3.2	59	59	ND	9	1.0	101	108	AR	5.8	5.7	377	437
HI	3.9	3.7	56	134	SD	1.0	1.0	152	276	LA	11.7	10.1	1,626	1,618
VT	1.6	2.0	29	46	NE	2.6	2.6	369	681	OK	7.6	7.6	2,669	2,142
MA	17.3	17.2	725	646	KS	4.4	4.3	1,690	968	TX	36.8	34.6	7,680	8,391
RI	3.5	3.7	38	35	S.A.	182.7	186.1	6,290	6,965	MT	48.6	46.4	5,920	5,903
CT	12.5	12.1	202	111	DE	31.2	31.4	46	31	WY	1.6	1.4	184	327
MA	136.2	129.6	3,997	4,624	MD	16.0	16.4	461	490	CO	1.6	1.7	313	443
NY	78.9	78.3	1,513	1,717	DC	2.3	2.3	67	64	WV	1.0	8	262	276
NJ	33.1	31.9	911	764	VA	16.7	17.2	692	665	CO	15.9	14.5	3,274	2,910
PA	20.2	21.4	1,573	1,543	WV	2.6	2.6	226	235	NM	2.5	2.4	271	227
S.N.C.	96.4	93.6	9,671	9,600	NC	12.7	12.3	582	585	AZ	12.5	11.9	668	624
OH	18.4	18.4	2,062	1,924	SC	6.2	6.3	264	278	UT	3.9	3.6	566	611
IN	10.7	10.4	1,094	1,307	GA	17.6	18.1	617	1,230	NV	9.5	9.9	362	265
E	27.0	26.8	3,308	3,307	FL	77.6	79.4	3,333	3,207	Pac	66.8	60.4	13,603	12,467
MI	22.9	21.8	1,620	1,619	E.S.C.	27.6	26.3	3,016	3,166	WA	9.9	9.4	1,787	1,295
WI	6.5	6.2	1,567	1,243	KY	7.7	6.7	959	966	OR	7.3	6.9	1,002	713
W.N.C.	34.9	32.3	6,266	6,214	TN	9.3	9.1	1,180	1,139	CA	67.2	59.7	10,243	9,972
IL	9.7	9.4	839	685	AL	6.8	6.7	376	466	AK	1.7	1.5	266	312
IA	4.2	3.8	674	910	MS	3.1	3.8	501	596	HI	2.8	2.9	263	175

Source: Dun & Bradstreet Corporation, New York, NY, *New Business Incorporations and Business Failure Record*.

No. 865. BUSINESS STARTS AND FAILURES—NUMBER AND RATE BY INDUSTRY: 1985 TO 1987

(Minus sign indicates decrease)

SIC ¹ code	INDUSTRY	BUSINESS STARTS				BUSINESS FAILURES				
		Number			Percent change, 1985- 1987	Number			Percent change, 1985- 1987	Rate per 10,000 firms 1987
		1985	1986	1987		1985	1986	1987		
A	Agriculture, forestry, fishing	3,556	3,816	3,736	-2.1	2,699	2,649	3,767	42.2	194
B	Mining	2,269	1,739	1,540	-11.4	796	621	622	-32.5	147
10	Metal mining	65	54	72	33.3	36	26	24	-7.7	177
11	Anthracite mining	7	11	13	18.2	5	4	3	-25.0	123
121	Bituminous coal and lignite	256	271	201	-25.8	161	136	100	-25.9	254
136	Oil and gas extraction	1,862	1,295	1,169	-9.7	565	731	466	-36.3	141
14	Nonmetallic minerals	97	108	85	-21.3	29	25	29	18.0	78
C	Construction	34,417	33,079	31,246	-5.5	7,006	7,109	6,736	-5.3	92
15	General building contractors	13,324	13,039	12,557	-3.7	2,759	2,634	2,496	-5.3	92
16	Construction, other than bldg.	1,822	1,555	1,330	-14.5	419	449	396	-11.8	97
17	Special trade contractors	19,271	18,485	17,359	-6.1	3,827	4,026	3,844	-4.5	90
D	Manufacturing ²	21,054	20,309	19,236	-5.3	4,899	4,772	4,313	-9.6	95
20	Food and kindred products	904	862	889	7	261	239	194	-18.0	88
22	Textile mill products	572	563	558	-4.3	110	72	75	4.2	79
23	Apparel, other textile products	1,674	1,470	1,413	-3.9	336	267	260	-9.4	94
24	Lumber and wood products	1,566	1,366	1,192	-12.7	415	392	375	-4.3	107
25	Furniture and fixtures	863	860	780	-13.8	239	244	204	-16.4	131
26	Paper and allied products	269	263	294	3.9	55	46	63	37.0	106
27	Printing and publishing	3,625	3,245	3,299	1.4	669	606	634	4.6	79
28	Chemicals and allied products	697	717	674	-6.0	172	129	129	-4.7	84
30	Rubber and misc. products	770	751	700	-6.8	167	146	149	2.6	103
31	Leather and leather products	155	145	138	-4.8	47	48	33	-31.3	93
32	Stone, clay and glass products	615	612	617	.8	159	164	159	-3.0	91
33	Primary metal products	355	401	379	-5.7	122	133	113	-15.0	142
34	Fabricated metal products	1,711	1,584	1,449	-8.8	484	529	470	-11.0	113
35	Machinery exc. electric	2,865	2,639	2,540	-10.5	721	739	638	-13.7	91
36	Electric and electronic equipment	1,528	1,415	1,280	-9.5	329	332	267	-19.6	115
37	Transportation equipment	803	709	676	-4.7	197	226	182	-19.5	136
38	Instruments and related products	761	821	780	-8.8	110	140	109	-22.1	75
39	Miscellaneous	1,343	1,445	1,447	1	271	267	243	-9.0	77
E	Transportation, public utilities	6,872	6,499	6,080	-5.1	2,836	2,566	2,249	-12.3	110
40	Railroad transportation	13	32	34	6.3	9	7	6	-14.3	64
41	Local passenger transit ³	854	546	577	5.7	146	145	119	-17.9	82
42	Trucking and warehousing	3,954	3,596	3,266	-6.7	1,617	1,622	1,423	-12.3	142
44	Water transportation	378	440	374	-15.0	106	112	101	-9.8	108
45	Air transportation	456	419	384	-5.7	104	92	94	2.2	99
46	Pipelines, except natural gas	10	7	13	65.7	-	-	3	(NA)	130
47	Transportation services	1,950	2,123	1,962	-8.1	322	374	313	-18.9	89
48	Communications	829	967	999	7.3	173	152	140	-7.9	79
49	Electric, gas, sanitary services	326	363	459	26.4	58	61	50	-18.0	31
F	Wholesale trade	26,707	26,748	24,136	-9.9	4,836	4,699	4,321	-11.3	62
G	Retail trade	72,578	72,509	65,361	-9.8	13,494	13,620	12,242	-10.1	61
H	Finance, insurance, real estate ⁴ ..	15,710	17,146	16,180	-5.8	2,676	2,797	2,547	-6.6	54
60	Banking	524	474	407	-14.1	139	157	206	32.5	103
62	Security commodity brokers	1,103	1,176	1,149	2.3	177	160	136	-15.0	63
63	Insurance agents, brokers, and services	1,304	1,327	1,585	15.7	259	333	293	12.0	27
65	Real estate	10,060	11,165	10,469	-6.5	1,638	1,656	1,526	-7.8	60
I	Services ²	57,702	59,424	54,786	-10.8	16,649	20,957	23,664	13.6	128
70	Hotels and other lodgings	1,535	1,731	1,766	3.2	304	314	343	9.2	62
72	Personal services	6,807	7,165	6,146	-14.2	1,030	1,001	982	-3.9	40
73	Business services	22,733	24,582	23,701	-3.8	6,132	10,050	10,585	5.3	263
75	Auto repair services, and garages	5,997	5,560	5,193	-6.4	1,335	1,464	1,193	-16.5	68
78,79	Motion pictures, amusement, and recreation	4,554	4,364	3,434	-21.3	654	766	694	-9.6	62
80	Health services	4,026	4,666	4,296	7.7	577	701	701	-	23
81	Legal services	1,296	1,337	1,292	-3.4	191	181	172	-5.0	14
82	Educational services	674	636	567	-10.8	100	126	127	8	17
83	Social services	951	928	763	-18.8	200	196	213	8.7	26
84	Museums, art galleries, gardens	42	49	54	10.2	5	4	2	-50.0	9
85	Membership organizations	969	1,261	1,193	-6.9	66	66	54	-18.2	5

- Represents zero. NS Not significant. ¹ Standard Industrial Classification; see text, section 13. ² Includes industries not shown separately. ³ Includes interurban.

Source: The Dun and Bradstreet Corporation, New York, NY, *Business Starts Record* and *Business Failure Record*

NO. 858. BANKRUPTCY PETITIONS FILED, BY TYPE AND CHAPTER: 1975 TO 1987

[For years ending June 30]

ITEM	1975	1976	1980 ¹	1981	1982	1983	1984	1985	1986	1987
Total	254,484	226,476	277,550	266,329	267,888	274,734	244,276	264,535	477,888	581,278
Business	21,178	28,500	36,449	47,415	56,423	66,618	82,170	88,651	76,261	68,276
Non-business	233,306	197,976	241,101	312,914	311,465	308,116	262,106	275,884	401,627	473,000
Voluntary	152,188	225,549	276,801	358,887	388,331	373,084	342,828	362,938	476,214	559,856
Involuntary	7,288	927	1,189	1,322	1,535	1,670	1,447	1,567	1,842	1,620
Chapter 7 ²	104,330	183,258	214,367	285,721	255,088	251,322	232,884	244,850	332,679	397,551
Chapter 9 ³	-	1	-	1	4	3	4	3	7	10
Chapter 11 ⁴	3,506	3,042	5,302	7,828	14,059	21,207	18,913	21,425	24,443	22,586
Chapter 13 ⁵	41,178	38,442	56,216	66,778	98,705	102,201	91,358	88,482	120,726	136,300
Section 304 ⁷	(X)	(X)	5	1	-	1	6	8	1	27

- Represents zero. X Not applicable. ¹For the first three months of 1980 the judiciary operated under the Bankruptcy Act and for the last nine months under the new bankruptcy code established by the Bankruptcy Reform Act of 1978. Includes only those petitions filed under the new bankruptcy code. ²Includes five Section 304 cases filed under the Reform Act in 1980 and 1 in 1981 which are not included in the subcategories of voluntary/involuntary. ³Chapter 7, liquidation of non-exempt assets of businesses or individuals. ⁴Chapter 9, adjustment of debts of a municipality. ⁵Chapter 11, individual or business reorganization. ⁶Chapter 13, adjustment of debts of an individual with regular income. ⁷11 U.S.C., Section 304, cases ancillary to foreign proceedings.

NO. 857. BANKRUPTCY PETITIONS FILED AND PENDING: 1905 TO 1987

[In thousands. For fiscal years ending in year shown; see text, section 9. Covers all U.S. bankruptcy courts. Bankruptcy petitions "Filed" means the commencement of a proceeding through the presentation of a petition to the clerk of the bankruptcy court; "Pending" is a proceeding in which the administration has not been completed]

YEAR	Filed	Pending	YEAR	Filed	Pending	YEAR	Filed	Pending	YEAR	Filed	Pending
1905	17	28	1935	69	65	1965	180	182	1983	375	537
1910	18	28	1940	53	55	1970	194	191	1984	344	576
1915	28	44	1945	13	21	1975	254	202	1985	385	608
1920	14	30	1950	33	36	1980	275	346	1986	478	729
1925	48	60	1955	59	56	1981	380	382	1987	581	808
1930	63	61	1960	110	95	1982	386	481			

Source of tables 858 and 857: Administrative Office of the U.S. Courts, *Annual Report of the Director*.

NO. 859. SMALL BUSINESS ADMINISTRATION LOANS TO ALL SMALL BUSINESSES: 1970 TO 1987

[For fiscal year ending in year shown; see text, section 9. A small business must be independently owned and operated, must not be dominant in its particular industry, and must meet standards set by the Small Business Administration as to its annual receipts or number of employees. Loans include both direct and guaranteed loans to small business establishments. Does not include Disaster Assistance Loans]

LOANS APPROVED	Unit	1970-1987	1976	1979	1980	1981	1982	1983	1984	1985	1986	1987
Loans, all businesses	1,000	24.3	31.7	30.2	31.7	28.7	15.4	19.2	21.3	19.3	18.8	17.1
Loans, minority-owned businesses	1,000	5.3	6.1	5.5	6.0	5.2	2.5	2.7	3.1	2.6	2.0	2.1
Percent of all business loans	Percent	22	19	18	18	18	16	14	15	15	12	12
Value of total loans ¹	Mil. dol.	2,582	3,314	3,407	3,858	3,688	2,038	3,007	3,450	3,217	3,013	3,232
Value of loans to minority-operated businesses ²	Mil. dol.	314	402	426	470	454	239	295	383	324	285	280

¹Includes both SBA and bank portions of loans. ²SBA direct loans and guaranteed portion of bank loans only

Source: U.S. Small Business Administration, unpublished data.

NO. 860. SMALL BUSINESS BIRTH, DEATH, AND NET GROWTH RATES: 1960 TO 1986

[Represents any concern which is independently owned and operated and has fewer than 500 employees. Minus sign (-) indicates decrease]

ITEM	Birth rate ¹	Death rate ²	Net growth ³	ITEM	Birth rate ¹	Death rate ²	Net growth ³
All industries: 1960-1982	9.5	9.1	.4	Wholesale trade: 1980-1982	9.1	7.5	1.6
1982-1984	10.2	8.9	1.3	1982-1984	9.9	7.5	2.4
1984-1986	8.0	9.8	-1.8	1984-1986	8.2	8.6	-0.4
Construction: 1980-1982	8.9	9.6	-0.7	Retail trade: 1980-1982	8.5	9.6	-1.1
1982-1984	10.8	10.5	.3	1982-1984	8.9	9.5	-0.6
1984-1986	9.9	10.8	-0.9	1984-1986	8.1	10.4	-2.3
Manufacturing: 1980-1982	8.1	7.3	.8	Services: 1980-1982	11.4	9.3	2.1
1982-1984	9.8	7.1	2.7	1982-1984	11.8	8.7	3.1
1984-1986	7.5	8.0	-0.5	1984-1986	10.2	10.0	.2

¹Business births represent the number of establishments formed during a specified period relative to the number in the initial year. ²Business deaths represent the disappearance of an establishment or enterprise from the SBOE for financial or nonfinancial reasons relative to the initial year. ³Net growth rate is the birth rate less the death rate.

Source: U.S. Small Business Administration, Office of Advocacy USBLM file, version 9, December 1987. The USBLM is a longitudinally weighted 80 percent sample of SBA's universe U.S. Establishment and Enterprise Microdata (UEEDM) file.

No. 870. WOMEN-OWNED AND MINORITY-OWNED FIRMS—NUMBER AND RECEIPTS FOR TEN LARGEST SMSA'S AND INDUSTRIES BY TYPE OF OWNERSHIP: 1982

[Represents standard metropolitan statistical areas (SMSA's) established by the Office of Management and Budget, as of January 1, 1982. See Appendix II for newly defined metropolitan statistical areas and definition. The number enclosed within parentheses is the 2 digit Standard Industrial Classification for that industry]

SMSA AND INDUSTRY GROUP	WOMEN-OWNED		SMSA AND INDUSTRY GROUP	BLACK-OWNED		SMSA AND INDUSTRY GROUP	HISPANIC-OWNED		SMSA AND INDUSTRY GROUP	ASIAN- AND OTHER-OWNED	
	Num-ber of firms	Re-ceipts (mil. dol.)		Num-ber of firms	Re-ceipts (mil. dol.)		Num-ber of firms	Re-ceipts (mil. dol.)		Num-ber of firms	Re-ceipts (mil. dol.)
Los Angeles-Long Beach, CA.....	117,468	3,789	Los Angeles-Long Beach, CA.....	23,520	775	Los Angeles-Long Beach, CA.....	29,882	1,717	Los Angeles-Long Beach, CA.....	38,331	2,956
New York, NY-NJ.....	101,223	5,321	New York, NY-NJ.....	20,242	725	Miami, FL.....	24,898	2,236	Honolulu, HI.....	21,676	2,158
Chicago, IL.....	68,277	2,958	Washington, DC-MD-VA.....	18,605	556	New York, NY-NJ.....	12,292	882	San Francisco-Oakland, CA.....	19,586	1,456
San Francisco-Oakland, CA.....	64,413	1,940	Chicago, IL.....	13,680	934	San Antonio, TX.....	10,341	555	New York, NY-NJ.....	15,865	916
Dallas-Fort Worth, TX.....	56,446	1,986	Houston, TX.....	12,208	328	Houston, TX.....	9,276	441	Chicago, IL.....	8,553	491
Washington, DC-MD-VA.....	51,015	1,305	San Francisco-Oakland, CA.....	9,388	380	San Francisco-Oakland, CA.....	7,649	416	Anaheim-Santa Ana-Garden Grove, CA.....	8,036	441
Houston, TX.....	48,694	1,710	Detroit, MI.....	6,731	369	El Paso, TX.....	5,994	402	San Jose, CA.....	7,370	393
Philadelphia, PA-NJ.....	42,630	1,654	Philadelphia, PA-NJ.....	6,581	354	McAllen-Pharr-Edinburg, TX.....	5,766	322	Houston, TX.....	6,569	397
Detroit, MI.....	40,176	1,300	Dallas-Fort Worth, TX.....	7,825	210	Anaheim-Santa Ana-Garden Grove, CA.....	5,317	308	Washington, DC-MD-VA.....	5,879	289
Denver-Boulder, CO.....	37,916	1,053	Atlanta, GA.....	7,077	336	Riverside-San Bernardino-Oran-jo, CA.....	5,218	272	San Diego, CA.....	4,482	216
INDUSTRY			INDUSTRY			INDUSTRY			INDUSTRY		
Eating and drinking places (58).....	66,811	6,654	Automotive dealers and service stations (55).....	3,446	1,307	Automotive dealers and service stations (55).....	3,746	1,309	Food stores (54).....	10,261	2,504
Food stores (54).....	37,635	6,047	Miscellaneous retail (59).....	53,981	993	Wholesale trade—nondurable goods (51).....	2,279	1,288	Eating and drinking places (58).....	17,028	1,922
Personal services (72).....	419,113	5,500	Food stores (54).....	9,167	863	Food stores (54).....	7,682	1,095	Miscellaneous retail (59).....	38,577	1,467
Wholesale trade—nondurable goods (51).....	22,231	5,297	Eating and drinking places (58).....	11,629	675	Eating and drinking places (58).....	10,791	1,076	Health services (80).....	20,063	1,446
Automotive dealers and service stations (55).....	14,353	4,754	Health services (80).....	17,195	595	Special trade contractors (17).....	22,017	1,042	Automotive dealers and service stations (55).....	2,459	1,004
Real estate (65).....	225,551	4,733	Special trade contractors (17).....	18,399	578	Health services (80).....	8,401	579	Hotels and other lodging places (70).....	4,925	643
Health services (80).....	126,369	3,989	Personal services (72).....	40,394	561	Wholesale trade—durable goods (50).....	1,343	531	Wholesale trade—nondurable goods (51).....	2,680	636
Wholesale trade—durable goods (50).....	12,021	3,863	Wholesale trade—nondurable goods (51).....	2,441	550	Trucking and warehousing (42).....	9,201	419	Personal services (72).....	20,129	498
Special trade contractors (17).....	47,219	2,497	Trucking and warehousing (42).....	13,029	530	Personal services (72).....	22,382	410	Special trade contractors (17).....	9,915	490
Apparel and accessory stores (56).....	29,130	2,446	Wholesale trade—durable goods (50).....	1,210	309	Auto repair, services, and garages (75).....	6,873	363	Wholesale trade—durable goods (50).....	1,574	365

Source: Bureau of the Census, 1982 Survey of Minority-Owned Business Enterprises, series MB82-1, MB82-2, MB82-3; and 1982 Survey of Women-Owned Businesses, series WB82-1.

**NO. 871. SMALL AND MINORITY-OWNED BUSINESSES—FEDERAL CONTRACT AWARDS, BY STATE:
1966 AND 1967**

(In millions of dollars, except percent. Excludes Guam and Puerto Rico. Represents contract awards of \$10,000 or more. Minus sign (-) indicates decrease.)

REGION, DIVISION, AND STATE	TOTAL CONTRACTS AWARDED			SMALL BUSINESS SHARE				MINORITY-OWNED SHARE			
	1966	1967	Per- cent change 1966- 1967	■	1967		Per- cent change 1966- 1967	1966	1967		Per- cent change 1966- 1967
					Amount	Per- cent of total			Amount	Per- cent of total	
U.S.	173,328	170,684	-1.8	36,968	27,061	15.9	-6.6	4,086	4,086	2.7	12.7
Region:											
Northeast	36,960	36,411	-1.6	4,761	4,484	12.3	-6.2	423	401	1.1	-5.2
Midwest	29,103	28,812	-7.8	4,866	3,824	14.6	-18.7	652	581	2.2	5.3
South	56,076	56,327	.4	12,818	12,002	21.3	-4.8	2,087	2,393	4.2	18.8
West	51,189	50,475	-1.4	8,382	6,671	13.2	4.5	1,054	1,284	2.5	19.9
New England:	16,896	16,718	-.8	1,488	1,567	9.3	4.1	84	136	.8	80.7
Maine	615	671	41.8	67	61	9.3	-6.9	6	4	.5	-33.3
New Hampshire	484	485	.2	63	62	18.8	48.0	3	3	.6	-
Vermont	142	136	-4.2	14	■	14.7	42.9	-12	-	(x)	(x)
Massachusetts	9,278	9,276	-.2	740	779	8.4	5.3	71	90	1.0	26.8
Rhode Island	444	519	16.9	165	163	31.4	-1.2	3	7	1.3	133.3
Connecticut	5,832	6,418	-7.1	428	421	7.8	-1.2	12	31	.8	156.3
Middle Atlantic:	30,146	28,896	-3.8	3,386	2,827	14.8	-16.8	239	286	1.4	21.5
New York	11,045	10,896	-1.4	1,337	1,227	11.3	-8.2	151	80	7	47.0
New Jersey	3,827	3,833	.2	680	■	20.5	11.7	91	113	2.9	24.2
Pennsylvania	5,273	4,967	-5.8	1,059	914	18.4	-13.7	97	73	1.5	24.7
East North Central:	16,283	14,346	-11.7	3,438	2,688	18.8	22.7	387	381	2.7	.8
Ohio	6,453	5,898	-11.7	680	788	14.0	-8.3	154	156	2.5	2.6
Indiana	2,607	2,318	-11.1	258	246	10.6	4.7	28	26	1.1	7.1
Illinois	2,873	2,924	8.4	679	747	25.5	10.0	146	164	5.6	12.3
Michigan	2,848	2,147	-24.6	654	563	25.8	15.4	34	23	1.1	-32.4
Wisconsin	1,673	1,268	-24.8	967	311	24.7	67.8	5	10	.6	100.0
West North Central:	12,888	12,487	-3.0	1,448	1,388	16.2	-12.4	186	286	1.8	6.1
Minnesota	2,614	2,644	1.1	223	178	8.7	-20.2	5	10	.4	100.0
Iowa	776	786	-1.3	105	76	10.2	-26.7	13	17	2.2	30.8
Missouri	6,444	6,819	5.8	408	■	6.3	5.1	40	64	.9	60.0
North Dakota	288	227	-20.6	168	168	68.6	-4.8	84	63	23.3	-36.9
South Dakota	191	138	-27.7	75	66	47.1	-13.8	9	16	11.6	77.8
Nebraska	423	387	-8.5	186	180	43.7	-9.1	8	13	3.4	62.5
Kansas	2,117	1,486	-29.8	283	189	12.7	33.2	25	27	1.8	6.0
South Atlantic:	30,388	33,314	10.1	■	7,083	21.3	6.0	1,308	1,489	4.6	14.8
Delaware	237	223	-5.9	36	43	19.3	22.9	3	2	.9	33.3
Maryland	6,323	6,794	7.4	1,146	1,253	18.4	9.3	324	367	5.7	19.4
District of Columbia	2,341	2,420	3.4	617	748	31.0	21.4	256	313	12.9	22.3
Virginia	6,790	9,367	38.4	2,086	2,259	24.0	7.8	446	548	5.8	22.3
West Virginia	278	267	-4.0	130	106	36.3	-19.2	14	14	5.2	-
North Carolina	1,439	1,686	16.7	480	586	36.7	16.5	36	40	2.5	5.3
South Carolina	1,730	1,839	6.3	348	383	19.7	4.3	54	■	2.6	-11.1
Georgia	4,054	3,825	-5.6	619	483	12.8	■	74	29	.8	60.8
Florida	7,074	6,903	-1.6	1,189	1,262	18.1	6.3	96	117	1.7	21.9
East South Central:	9,349	8,786	-5.2	3,634	2,360	28.3	34.2	263	412	4.7	62.8
Kentucky	2,628	929	-64.6	1,480	410	44.1	-72.3	36	154	16.6	327.8
Tennessee	2,608	3,809	38.4	429	917	25.4	113.8	37	36	1.0	-2.7
Alabama	2,215	2,486	12.2	■	718	26.9	11.2	151	186	7.9	■
Mississippi	1,792	1,733	-3.3	316	255	14.7	-19.3	26	27	1.5	-6.9
West South Central:	16,673	■	-14.9	2,896	2,619	16.4	9.8	467	482	3.2	-3.2
Arkansas	961	■	-14.6	191	206	31.7	38.3	18	15	1.8	-16.7
Louisiana	2,148	2,309	7.6	440	548	23.8	24.8	■	51	2.2	-5.6
Oklahoma	813	756	-7.3	480	368	47.4	22.2	169	89	12.1	36.3
Texas	12,532	10,353	-17.4	1,814	1,446	14.0	20.3	242	286	2.8	18.2
Mountain:	11,882	13,837	16.3	1,636	1,788	13.0	17.1	302	470	3.4	66.8
Montana	132	170	28.6	101	136	79.4	33.7	9	38	22.4	322.2
Idaho	586	563	-3.5	82	60	14.2	-2.4	13	14	2.5	7.7
Wyoming	172	122	-29.1	74	80	78.2	■	2	5	4.1	190.0
Colorado	2,877	3,686	28.5	332	413	11.2	24.4	66	97	2.4	31.8
New Mexico	2,846	3,016	6.1	238	316	10.5	33.9	53	164	5.4	209.4
Arizona	2,884	3,726	24.4	308	363	10.3	24.4	66	■	2.4	36.8
Utah	1,242	1,603	29.1	300	265	16.9	16.0	67	50	3.1	-25.4
Nevada	865	696	-19.8	103	123	13.1	19.4	28	23	2.4	17.9
Pacific:	36,867	36,836	-.7	4,847	4,672	13.8	.5	783	784	2.2	.8
Washington	3,717	4,479	20.5	487	502	11.2	3.1	72	74	1.7	2.8
Oregon	600	614	2.8	207	203	38.5	-1.8	18	12	2.3	-38.8
California	36,677	30,386	-16.6	3,608	3,564	11.8	-7	514	526	1.7	2.7
Alaska	708	737	4.1	288	318	43.1	6.7	30	43	5.8	43.3
Hawaii	804	620	-23.0	247	266	51.0	7.3	117	137	26.3	17.1

Represents zero. X Not applicable.

Source: U.S. Small Business Administration, *The State of Small Business: A Report of the President*, annual. Data from Federal Procurement Data Center, "Special Report T17298," June 1, 1968.

NO. 872. MERGERS AND ACQUISITIONS—HISTORICAL SUMMARY: 1965 TO 1987

ITEM	Unit	1965	1970	1980	1981	1982	1983	1984	1985	1986	1987
Mergers and acquisitions, net	Number	2,125	5,152	889	2,395	2,346	2,533	2,543	3,001	3,336	2,032
Dollar value paid	Bil. dol.	(NA)	15.4	44.3	82.6	53.8	73.1	122.2	179.8	173.1	163.7
\$100 million-plus deals	Number	(NA)	10	94	113	116	136	200	270	346	301
Method of payment:											
Cash	Percent	67	29	47	42	38	32	43	51	42	41
Stock	Percent	30	52	31	34	29	36	26	23	32	34
Combination	Percent	3	16	21	23	31	33	30	26	26	24
Debt	Percent	(²)	3	1	1	2	-	1	-	-	1
Divestitures	Number	191	1,401	886	630	675	932	900	1,216	1,259	807
Acquisitions of publicly traded sellers	Number	(NA)	(NA)	173	155	180	190	211	336	386	288
Acquisitions of privately held sellers	Number	(NA)	(NA)	988	1,330	1,222	1,316	1,351	1,358	1,586	855
Foreign sellers, total	Number	(NA)	(NA)	102	101	121	146	147	175	180	142
Foreign buyers, total	Number	(NA)	(NA)	187	234	154	125	151	197	264	220
Average P/E paid	Percent	19.4	23.1	15.2	15.6	13.9	16.7	17.2	18.0	22.2	23.3
Average premium paid over market	Percent	(NA)	33.4	49.9	46.0	47.4	37.7	37.9	37.1	36.2	36.3
Cancelled transactions	Number	(NA)	527	178	163	169	162	218	236	199	155

- Represents zero. NA Not available. ¹ Represents announcement. ² A separate count for debt payments began in 1970.

NO. 873. MERGER AND ACQUISITION TRANSACTIONS—NUMBER AND VALUE, BY INDUSTRY: 1983 TO 1987

[Represents transactions for which valuation data are publicly reported]

INDUSTRY CLASSIFICATION OF SELLER	NUMBER OF MERGERS					NOMINAL VALUE (mil. dol.)				
	1983	1984	1985	1986	1987	1983	1984	1985	1986	1987
Total	2,533	2,543	3,001	3,336	2,032	73,081	122,324	179,766	173,187	163,888
Oil and gas	111	102	86	56	30	12,076	42,882	23,160	3,247	15,442
Banking and finance	391	251	381	415	262	13,628	5,846	14,037	19,442	16,209
Insurance	67	68	67	94	38	2,968	3,006	2,694	5,413	2,484
Mining and minerals	18	12	16	14	6	2,948	347	356	148	676
Food processing	74	56	82	101	78	1,164	7,095	11,838	4,707	3,316
Conglomerate	13	16	14	20	6	2,745	6,963	16,302	15,307	6,639
Transportation	36	36	45	58	34	5,255	1,252	2,877	6,829	4,956
Broadcasting	60	83	93	123	54	3,747	1,916	15,013	6,107	6,729
Retail	90	130	136	147	150	1,489	6,873	10,030	13,683	17,039
Brokerage and investment firms	63	86	49	47	32	1,456	1,460	579	1,710	3,492
Other	1,670	1,701	2,029	2,269	1,330	25,808	44,862	62,882	94,544	64,504

Source of tables 872 and 873: W.T. Grimm & Co., Chicago, IL, *Mergerstat Review*, 1987. (Copyright.)

NO. 874. PATENTS AND TRADEMARKS: 1961 TO 1987

[In thousands. Calendar year data. Covers patents issued to citizens of the United States and residents of foreign countries. For information on copyrights, see table 917. See also *Historical Statistics, Colonial Times to 1970*, series W 99-106.]

ITEM	1961-1970	1971-1980	1980	1981	1982	1983	1984	1985	1986	1987
Patent applications filed	967.8	1,061.6	1,13.0	114.5	118.4	112.4	120.8	127.1	133.0	136.8
Inventions	912.3	1,019.4	104.3	106.4	109.6	109.7	111.3	117.0	122.4	127.9
Designs	51.6	85.8	7.8	7.4	8.2	6.1	8.7	9.6	9.9	11.2
Botanical plants	1.2	1.7	.2	.2	.2	.3	.3	.2	.3	.4
Reissues	2.7	4.6	.6	.5	.4	.3	.3	.3	.3	.4
Patents issued	618.3	731.0	86.2	71.0	63.3	62.6	72.7	77.2	76.9	86.4
Inventions	585.1	687.6	81.8	65.6	57.9	56.9	67.2	71.7	70.9	83.0
Individuals	143.3	152.0	13.3	14.1	11.9	10.6	12.3	12.8	13.3	15.3
Corporations, U.S.	343.1	343.3	29.4	29.6	25.8	25.7	30.1	31.3	29.6	33.8
Foreign ¹	83.8	176.4	19.2	21.0	19.2	19.6	23.6	26.4	27.0	32.9
U.S. Government	14.9	16.1	1.0	1.1	1.0	1.0	1.2	1.1	1.0	1.0
Designs	30.2	36.1	3.9	4.7	4.9	4.6	4.9	5.1	5.6	6.0
Botanical plants	1.0	1.6	.1	.2	.2	.2	.2	.2	.2	.2
Reissues	2.1	3.4	.3	.4	.3	.4	.3	.3	.3	.2
Published applications ²	6	13	(2)	1	(2)	(2)	(2)	(2)	2	2
Foreign country residents ³	124.3	227.3	24.7	26.5	24.0	25.4	30.5	33.9	34.6	41.7
Certificates of trademarks issued	236.1	268.0	24.7	46.8	46.4	46.8	54.0	71.7	61.6	51.4
Trademarks	196.1	250.6	19.9	42.7	42.1	40.5	46.6	65.6	46.7	47.3
Trademark renewals	39.0	56.4	5.0	5.9	6.0	6.2	5.4	5.9	5.1	4.1

² Less than 50. ¹ Includes patents to foreign governments. ³ Abstracts of technical disclosure of patent published at request of applicant or owner. The practice called "Defensive Publications" began Nov. 1966 and ended July 1966. The current practice called "Statutory Invention Registrations" began May 1985. ⁴ Includes patent inventions and patents for designs, botanical plants and reissues. Beginning 1966, also includes published applications.

Source: U.S. Patent and Trademark Office. Fiscal-year figures are published in the *Commissioner of Patents and Trademarks Annual Report*.

NO. 675. PATENTS, BY INDUSTRY: 1970 TO 1987

[Includes all patents for inventions granted to residents of the United States, its territories, and foreign citizens. Number of patents by industry may not add to total since a patent may be recorded in more than one industry category]

SIC ¹ code	INDUSTRY	1970	1975	1980	1985	1990	1997
(0)	Total	64,659	70,898	61,816	71,951	70,898	82,952
(2)	Durable goods:						
32	Stone, clay, glass and concrete products	2,118	2,335	2,108	2,382	2,300	2,553
33, 3482-3	Primary metals	783	1,032	784	783	622	794
34	Fabricated metal products ²	7,846	8,870	7,429	8,285	8,328	9,748
35	Machinery except electrical	18,348	20,385	17,088	20,185	18,388	21,907
36, 3625	Electrical and electronic equipment, and supplies	14,333	13,103	11,812	15,285	15,341	18,985
37, 348	Transportation and other public utilities	4,100	5,210	4,847	4,988	4,984	6,047
38	Professional and scientific instruments ³	6,085	8,930	8,477	10,138	10,387	12,536
(3)	Non-durable goods:						
20	Food and kindred products	908	705	515	576	482	900
22	Textile mill products	717	715	638	800	780	821
28	Chemicals and allied products	9,816	12,808	10,748	11,300	10,123	11,273
13, 28	Petroleum, oil and gas extraction	888	810	783	1,018	848	984
30	Rubber and miscellaneous plastics products	4,728	5,711	4,808	5,887	5,581	6,232
	All other SIC ¹ groups	6,280	7,216	6,519	6,884	7,180	8,131

X Not applicable. ¹ Standard Industrial Classification. ² Excludes SIC groups 3482, 3483, 348. ³ Excludes SIC group 3625.

Source: U.S. Patent and Trademark Office, *Patenting Trends in the United States, State Country Report, 1983-1987*

NO. 676. PATENTS, BY STATE: 1987

[Includes only U.S. patents granted to residents of the United States and territories]

STATE	Total	Inven-tions	De-signs	Botan-ical plants	Re-issuance	STATE	Total	Inven-tions	De-signs	Botan-ical plants	Re-issuance
U.S.	67,711	61,518	3,988	131	188	MT	87	83	4	-	-
AL	303	285	37	-	1	NE	128	130	7	-	1
AK	22	20	2	-	-	NV	98	81	16	-	1
AZ	716	672	42	-	2	NH	249	228	18	-	1
AR	85	71	24	-	-	NJ	3,050	2,833	203	2	12
CA	7,083	6,350	637	88	27	NM	181	175	2	-	4
CO	713	640	70	1	2	NY	3,937	3,538	388	1	8
CT	1,308	1,308	108	-	3	NC	748	658	88	-	-
DE	358	344	13	-	1	ND	45	42	3	-	-
DC	51	43	8	-	-	OH	2,830	2,379	231	12	8
FL	1,538	1,388	180	8	8	OK	858	619	35	-	4
GA	553	491	58	-	3	OR	585	480	74	21	-
HI	48	40	8	-	-	PA	3,028	2,884	138	-	8
ID	90	85	5	-	-	RI	125	105	11	-	2
						SC	324	288	31	1	3
IL	2,887	2,804	288	-	14	SD	44	38	5	-	-
IN	1,054	887	81	1	2	TN	385	347	37	-	1
IO	388	357	31	-	1	TX	2,886	2,720	161	6	9
KS	243	208	36	-	1	UT	307	274	33	-	-
KY	278	255	21	-	2	VT	102	87	14	-	1
LA	432	408	23	-	1	VA	625	572	52	-	1
ME	99	84	13	-	2	WA	771	688	68	1	2
MD	784	705	57	-	2	WV	135	130	5	-	-
MA	1,828	1,789	123	5	5	WI	1,032	936	80	4	2
MI	2,384	2,211	147	-	6	WY	50	45	5	-	-
MN	1,257	1,144	107	-	6	PR	21	11	10	-	-
MS	92	77	15	-	-	VI	2	1	1	-	-
MO	606	588	58	1	2						

- Represents zero.

Source: U.S. Patent and Trademark Office, *Patenting Trends in the United States, State Country Report, 1983-1987*

NO. 877. GROSS STOCK OF FIXED PRIVATE CAPITAL, NONRESIDENTIAL AND RESIDENTIAL, BY INDUSTRY: 1980 TO 1987

(In billions of dollars. Estimates as of Dec. 31)

INDUSTRY	CURRENT DOLLARS				CONSTANT (1982) DOLLARS			
	1980	1985	1986	1987	1980	1985	1986	1987
Fixed private capital	8,942.8	12,105.0	12,882.9	13,511.8	8,813.2	11,254.4	11,801.8	11,945.4
Nonresidential	4,844.4	6,708.4	6,983.4	7,364.4	5,420.0	6,348.3	6,544.7	6,738.6
Agriculture, forestry and fisheries	319.2	383.8	378.7	377.5	357.4	343.7	333.7	335.0
Farms	295.2	350.1	344.3	342.1	330.8	312.8	302.4	293.2
Ag. serv., forestry, and fisheries	24.0	33.5	34.4	35.4	26.7	30.9	31.3	31.8
Mining	358.6	448.4	428.1	430.1	441.2	548.9	541.1	530.1
Metal mining	28.4	35.0	35.3	36.0	30.0	32.0	31.5	31.0
Coal mining	31.7	46.9	46.7	47.3	36.5	43.7	43.1	42.4
Oil and gas extraction	282.5	344.0	316.3	315.2	354.8	452.9	448.9	436.1
Nonmetallic minerals, exc. fuels	17.4	22.3	21.8	21.6	19.9	20.3	19.5	18.6
Construction	100.3	108.4	109.3	110.8	113.1	100.5	98.8	96.7
Manufacturing	1,108.1	1,497.2	1,548.8	1,606.3	1,236.4	1,383.5	1,418.7	1,436.4
Durable goods	804.9	821.7	852.8	886.1	874.1	773.3	789.9	805.0
Lumber and wood products	28.8	34.1	34.4	35.1	32.2	30.7	30.2	29.8
Furniture and fixtures	8.9	11.9	12.4	13.2	9.8	10.9	11.1	11.5
Stone, clay, glass products	47.4	55.6	55.9	56.3	52.7	52.5	52.0	51.5
Primary metal industries	141.8	178.2	177.2	179.8	159.1	162.3	168.9	157.6
Fabricated metal products	68.6	91.7	95.6	99.7	76.3	84.9	86.9	86.7
Machinery, exc. electrical	94.9	135.3	140.7	146.2	105.0	134.9	139.3	143.6
Elec. and elec. equipment	70.2	119.5	128.1	138.1	78.8	112.3	118.9	125.5
Motor vehicles and equipment	72.5	91.8	95.8	98.5	80.5	88.0	88.2	88.9
Other transp. equipment	40.3	60.0	64.4	68.9	44.9	55.8	59.1	61.8
Instruments, related products	19.9	30.9	32.6	35.1	22.0	29.3	30.7	32.3
Misc. mfg. industries	11.8	14.7	15.1	15.5	12.9	13.5	13.8	13.5
Nondurable goods	303.2	675.6	697.0	723.2	562.3	620.1	625.8	630.4
Food and kindred products	100.4	134.2	139.2	145.3	112.0	122.1	123.6	125.1
Tobacco manufacturers	5.2	9.5	10.2	11.0	5.9	8.8	9.3	9.7
Textile mill products	33.9	41.4	41.8	42.7	38.0	37.1	36.5	36.1
Apparel, other textile products	11.1	19.4	13.5	13.8	12.4	12.3	12.1	12.0
Paper and allied products	68.5	94.9	99.3	104.5	77.2	87.4	88.6	91.6
Printing and publishing	35.7	51.7	54.9	59.0	39.7	48.2	50.2	52.6
Chemicals, allied products	141.9	183.5	187.8	193.0	158.6	170.0	170.1	169.5
Petroleum and coal products	68.6	98.3	100.0	102.4	78.3	89.6	89.2	88.5
Rubber, misc. plastic products	35.2	45.4	47.0	48.3	39.2	41.8	42.3	42.4
Leather and leather products	2.7	3.2	3.2	3.3	3.0	3.0	2.9	2.9
Transportation and public utilities	1,444.5	1,847.5	2,023.6	2,197.6	1,621.8	1,795.5	1,836.5	1,871.5
Transportation	501.2	588.2	588.1	582.0	551.1	541.2	536.2	529.7
Railroad transportation	237.6	255.6	248.6	248.4	258.3	232.2	226.4	220.8
Local, interurban, pass. transit	9.3	8.6	9.7	9.7	10.2	8.8	8.7	8.5
Trucking and warehousing	75.7	105.0	109.7	112.9	84.7	93.3	95.0	98.0
Water transportation	50.9	65.8	67.0	68.4	57.3	63.9	64.0	63.5
Transportation by air	60.4	74.5	74.6	75.4	69.1	71.8	70.7	69.7
Pipelines, exc. natural gas	34.6	39.1	40.1	40.7	35.8	36.9	36.8	36.8
Transportation services	32.4	36.6	38.4	38.4	34.8	34.5	34.5	34.6
Communication	346.4	552.9	582.4	630.4	392.2	498.0	520.5	540.3
Telephone and telegraph	327.2	522.1	559.6	595.3	370.3	470.6	491.9	510.6
Radio and TV broadcasting	19.2	30.8	32.9	35.1	21.9	27.4	28.7	29.7
Elec. gas, and sanitary services	616.6	808.4	845.0	884.7	678.6	756.3	779.8	801.5
Electric services	467.9	631.9	661.8	695.0	521.0	590.2	611.0	629.7
Gas services	132.2	154.8	160.1	165.0	140.5	145.7	148.9	148.5
Sanitary services	16.7	21.7	23.0	24.7	17.2	20.4	21.8	23.3
Wholesale trade	152.9	247.7	272.9	296.1	187.5	243.2	267.1	291.7
Retail trade	258.1	401.7	433.4	471.8	296.1	380.0	378.3	400.3
Finance, insurance, real estate	716.1	1,104.7	1,193.9	1,287.0	788.2	1,034.1	1,110.7	1,191.8
Banking	78.3	131.8	149.1	168.5	86.3	138.4	159.2	183.4
Credit agencies other than banks	59.9	93.7	102.8	110.7	65.5	95.5	105.2	114.4
Security, commodity brokers, and services	2.9	5.3	6.4	7.4	3.2	6.2	7.9	9.8
Insurance carriers	16.9	31.5	40.8	51.0	18.2	37.9	52.4	66.6
Ins. agents, brokers, and services	4.3	5.1	5.3	5.4	4.6	5.6	5.7	5.8
Real estate	546.4	823.3	872.6	934.4	603.3	734.3	759.7	783.6
Holding, other investment companies	7.3	14.2	17.0	19.7	7.9	16.3	20.6	25.1
Services	387.8	586.3	611.6	662.7	408.2	528.9	581.8	606.1
Hotels, other lodging places	63.2	102.1	111.2	122.0	69.8	90.9	96.7	102.4
Personal services	21.3	25.5	27.2	28.1	23.5	24.1	24.2	24.4
Business services	82.7	134.3	147.0	160.6	92.3	134.5	146.1	158.2
Auto repair serv. garages	61.5	98.6	107.8	116.7	68.7	90.5	96.5	102.8
Misc. repair services	9.8	13.8	14.5	15.2	11.0	12.7	13.1	13.5
Motion pictures	8.7	11.1	11.7	12.3	9.3	10.8	11.3	11.7
Amusement, recreation services	30.1	41.1	43.1	45.3	33.6	37.8	38.9	40.0
Other services	90.4	138.8	149.2	162.4	100.0	127.5	135.0	143.1
Health services	49.6	65.6	63.2	102.9	55.1	78.4	83.7	89.6
Legal services	6.5	10.0	11.2	12.6	7.1	9.4	10.5	11.8
Educational services	2.3	2.6	2.7	2.9	2.5	3.0	3.3	3.7
Other	32.1	40.5	42.1	44.0	35.3	38.7	37.4	38.1
Residential	4,098.4	5,396.5	5,899.5	6,147.2	4,393.1	4,906.1	5,256.9	5,206.8
Farms	127.4	145.2	146.3	151.0	137.3	131.7	129.6	128.0
Real estate	3,971.0	5,251.3	5,753.2	6,006.2	4,255.8	4,774.4	5,127.2	5,078.8

¹ Consists of social services, membership organizations, and miscellaneous professional services.

Source: U.S. Bureau of Economic Analysis, *Fixed Reproducible Tangible Wealth in the United States, 1925-85*, and *Survey of Current Business*, January 1986, and August 1986.

No. 878. BUSINESS EXPENDITURES FOR NEW PLANT AND EQUIPMENT: 1970 TO 1986

[In billions of dollars. Based on sample and subject to sampling variability, see text, section 17. Represents expenditures for new facilities and for expansion or replacement of existing facilities that are chargeable to fixed asset accounts and for which depreciation or amortization accounts are ordinarily maintained. Excludes expenditures for land and mineral rights, maintenance and repair, used plant and equipment, including that purchased or acquired through mergers or acquisitions, assets located in foreign countries, residential structures, etc. They also differ from the nonresidential fixed investment data in type of data, data sources, coverage, and timing. For further information, see the February 1985 Survey of Current Business.]

INDUSTRY	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987	1988
CURRENT DOLLARS											
All industries ²	91.9	142.4	282.8	315.2	318.6	384.8	364.4	387.1	378.5	388.8	438.2
Manufacturing	37.0	53.7	112.3	126.5	120.7	116.2	138.8	153.5	142.7	145.5	163.0
Durable goods ³	19.8	25.4	55.4	59.8	55.4	53.1	66.2	73.9	69.1	70.9	77.6
Primary metals	3.2	5.4	6.8	7.4	6.9	6.0	7.1	7.8	7.1	8.6	10.3
Fabricated metals	1.2	2.0	3.3	3.8	3.1	2.8	3.4	3.8	4.0	4.0	4.3
Electrical machinery	3.5	3.1	9.8	10.6	11.0	11.4	14.6	15.5	14.2	15.3	18.0
Machinery, except electrical	3.8	4.9	11.4	13.7	13.4	13.5	15.4	16.0	13.6	13.6	14.9
Transportation equipment	4.8	5.5	15.0	15.4	12.6	11.3	16.2	19.5	18.9	16.7	16.4
Stone, clay, and glass	1.1	1.7	4.0	3.4	2.9	2.8	3.1	3.4	3.1	3.4	3.6
Nondurable goods ³	17.2	26.3	57.0	66.7	65.3	63.1	72.6	80.2	73.6	74.5	85.4
Food and beverage	3.3	4.4	8.2	9.5	8.7	7.8	8.8	10.3	10.6	11.0	12.7
Paper	1.7	2.9	6.5	6.1	5.6	5.9	7.2	8.6	8.8	8.9	11.4
Chemicals	3.4	7.1	11.6	13.1	12.7	13.0	15.3	16.4	16.8	16.4	18.3
Petroleum	5.2	9.1	19.8	26.0	26.4	23.1	25.5	26.7	17.9	16.9	18.7
Rubber	.9	1.2	2.0	2.2	2.2	2.5	3.1	3.9	3.9	3.5	3.9
Mining	2.0	6.1	16.0	21.4	20.0	15.2	16.9	15.9	11.2	11.3	12.4
Public utilities	13.0	20.2	37.7	41.2	45.4	45.0	47.5	48.6	46.4	44.8	47.2
Transportation	7.2	9.9	16.6	15.8	14.8	14.0	16.5	18.0	18.8	18.8	21.2
Wholesale and retail trade	8.8	14.8	28.4	30.2	30.4	37.0	44.9	50.8	55.5	58.1	(NA)
Finance and insurance	3.9	10.0	21.2	26.0	27.2	28.4	33.9	39.4	43.8	48.0	(NA)
Personal and business services ⁴	9.6	14.8	25.6	27.2	25.9	25.0	28.7	28.7	28.2	30.0	(NA)
Communication	10.4	12.9	24.9	26.9	26.1	24.0	27.2	32.0	32.9	32.1	(NA)
CONSTANT (1982) DOLLARS⁵											
All industries ²	229.9	246.1	332.7	337.1	310.6	307.0	368.0	382.5	382.4	388.6	436.2
Manufacturing	97.2	97.1	133.0	135.6	120.7	119.1	143.6	159.3	147.0	148.6	167.9
Durable goods ³	48.5	43.8	64.0	63.3	55.4	53.1	66.5	74.6	70.6	72.1	80.4
Primary metals	8.3	9.5	7.9	7.8	6.9	6.0	7.0	7.6	7.0	8.4	(NA)
Fabricated metals	3.0	3.4	3.9	3.8	3.1	2.8	3.4	3.5	3.9	3.9	(NA)
Electrical machinery	8.0	5.1	1.3	11.2	11.0	11.4	14.7	15.9	14.7	15.7	(NA)
Machinery, except electrical	9.1	8.2	13.1	14.4	13.4	13.7	15.9	17.0	14.8	15.1	(NA)
Transportation equipment	11.6	9.7	17.4	16.4	12.6	11.3	16.2	19.6	19.0	16.8	(NA)
Stone, clay, and glass	2.7	2.9	4.6	3.6	2.9	2.7	3.0	3.3	3.0	3.2	(NA)
Nondurable goods ³	48.7	53.3	89.0	72.3	65.3	66.0	77.1	84.7	76.4	76.5	87.4
Food and beverage	8.2	7.6	9.5	10.1	8.7	7.7	8.5	9.9	10.0	10.2	(NA)
Paper	4.5	5.1	7.6	6.5	5.6	5.9	7.2	8.6	8.8	8.8	(NA)
Chemicals	8.8	12.4	13.6	14.0	12.7	13.1	15.5	16.7	17.0	16.4	(NA)
Petroleum	16.4	20.0	25.4	29.0	26.4	26.0	30.2	31.1	20.9	19.8	(NA)
Rubber	2.3	2.1	2.4	2.3	2.2	2.4	3.0	3.7	3.7	3.3	(NA)
Mining	7.0	13.8	21.4	24.2	20.0	17.5	20.8	19.3	13.5	13.8	14.5
Public utilities	34.6	34.3	43.8	43.6	45.4	43.7	45.4	46.1	43.3	41.1	42.4
Transportation	18.4	17.3	19.3	16.9	14.8	13.6	15.6	16.7	17.1	16.8	18.5
Wholesale and retail trade	20.0	24.4	32.4	31.7	30.4	36.6	44.2	50.2	54.6	56.5	(NA)
Finance and insurance	7.9	14.8	23.6	27.0	27.2	29.0	35.7	44.0	50.6	56.0	(NA)
Personal and business services ⁴	23.4	25.3	29.7	28.9	25.9	24.6	27.8	27.8	27.1	28.2	(NA)
Communication	21.4	19.3	29.6	29.3	26.1	22.7	24.9	28.9	29.1	27.6	(NA)

NA Not available

¹ Estimates based on planned capital expenditures as reported by business in April and May, 1988

² Surveyed quarterly ³ Includes industries not shown separately ⁴ Includes construction ⁵ Procedures for preparing constant-dollar estimates are described in the February 1985 Survey of Current Business. To estimate real spending plans, BEA adjusts the survey results for assumed price changes.

Source: U.S. Bureau of Economic Analysis, Survey of Current Business, monthly

No. 879. GROSS PRIVATE DOMESTIC INVESTMENT: 1970 TO 1987

[In billions of dollars]

YEAR	CURRENT DOLLARS						CONSTANT (1982) DOLLARS					
	Gross private domestic investment				Less: Capital consumption allowances ²	Equals Net private domestic investment	Gross private domestic investment				Less: Capital consumption allowances ²	Equals Net private domestic investment
	Total ¹	Fixed investment	Nonresidential	Residential			Total ¹	Fixed investment	Nonresidential	Residential		
1970	148.8	145.7	105.2	40.5	88.8	60.0	381.5	373.3	264.0	109.3	229.8	151.8
1975	219.6	225.2	162.9	62.3	161.8	57.8	383.3	396.1	281.2	114.9	287.0	171.7
1980	437.0	445.3	322.8	122.5	303.8	133.1	509.3	516.2	379.2	137.0	356.1	223.2
1981	515.5	491.5	369.2	122.3	347.8	167.7	545.5	521.7	395.2	126.5	369.7	235.8
1982	447.3	471.8	366.7	105.1	383.2	64.1	447.3	471.8	366.7	105.1	383.2	64.1
1983	502.3	509.4	356.9	152.5	396.6	105.7	504.0	510.4	361.2	149.3	394.4	109.6
1984	664.8	597.1	416.0	181.1	415.5	249.4	658.4	596.1	425.2	170.9	407.2	251.2
1985	643.1	631.8	442.9	186.8	437.2	205.9	637.0	627.9	453.5	174.4	426.7	210.3
1986	665.9	650.4	433.9	216.6	455.9	210.0	643.5	628.1	433.1	195.0	443.2	200.3
1987	712.9	673.7	446.8	226.9	480.0	233.0	674.8	640.4	445.1	196.2	460.8	214.0

¹ Includes change in inventories, not shown separately.² With capital consumption adjustment

Source: U.S. Bureau of Economic Analysis, The National Income and Product Accounts of the United States, 1929-82, and Survey of Current Business, July issues.

NO. 880. COMPOSITE INDEXES OF ECONOMIC CYCLICAL INDICATORS: 1978 TO 1987

[1987 figures are preliminary. See source for discussion of composite indexes. Minus sign (-) indicates decrease. Leading indicators are economic time series that tend to reach their cyclical high and low points earlier than the corresponding peaks and troughs in the overall economy. Coincident indicators are economic time series that tend to reach their cyclical high and low points about the same time as the corresponding peaks and troughs in the overall economy. Lagging indicators are economic time series that tend to reach their cyclical high and low points later than the corresponding peaks and troughs in the overall economy]

ITEM	Unit	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
LEADING INDICATORS											
Composite index ¹	1967=100	145.8	145.1	138.2	140.9	138.8	138.0	135.2	138.4	179.3	188.5
Net business formation	1967=100	138.1	138.3	129.9	124.8	118.4	117.5	121.3	120.9	120.4	120.9
Building permits ²	1967=100	145.4	123.8	98.7	80.0	80.7	131.1	134.8	138.1	141.2	123.0
Common stock prices, index ³	1941=										
43=10		88.0	103.0	118.8	128.0	119.7	180.4	180.5	186.8	236.2	288.8
Initial claims, unemployment insurance	1,000	338	379	480	446	578	428	388	383	370	320
Change in sensitive prices ⁴	Percent	1.0	.8	-	-.8	-.7	1.0	-.2	-.5	.2	1.0
Change in credit outstanding ⁵	Percent	14.5	13.2	8.1	6.7	1.4	8.2	15.8	10.1	6.4	8.1
Vendor performance, slower deliveries	Percent	84	83	40	45	37	84	81	45	52	81
Average workweek, manufacturing ⁶	Hours	40.4	40.2	39.7	39.8	38.8	40.1	40.7	40.8	40.7	41.0
Change in inventories (1982 dol.) ⁷	Bl. dol.	46	18	-18	2	-31	2	49	1	5	28
Plant and equipment contracts and orders (1982 dol.)	Bl. dol.	381	408	381	352	308	318	388	411	410	452
New orders, manufacturing, consumer goods and materials (1982 dol.)	Bl. dol.	1,024	1,001	888	886	807	897	882	853	870	1,018
Money supply (M2) ⁸ (1982 dol.)	Bl. dol.	1,982	1,929	1,835	1,819	1,874	2,043	2,113	2,223	2,366	2,430
COINCIDENT INDICATORS											
Composite index	1967=100	144.0	185.2	144.8	148.0	138.3	138.9	184.8	188.3	184.7	188.4
Industrial production index	1977=100	108.5	110.7	108.8	111.0	103.1	108.2	121.4	123.7	125.1	128.6
Employees, nonagricultural payroll	Million	88.7	88.8	90.4	91.2	89.6	90.2	94.5	97.5	99.6	102.1
Personal income less transfer payments (1982 dol.)	Bl. dol.	2,191	2,253	2,233	2,275	2,261	2,301	2,454	2,539	2,840	2,896
Sales, mfg. and trade (1982 dol.)	Bl. dol.	4,327	4,486	4,341	4,358	4,183	4,380	4,721	4,884	5,018	5,191
LAGGING INDICATORS											
Composite index	1967=100	114.0	122.6	124.6	122.4	124.3	116.4	124.2	136.3	141.9	142.8
Labor cost per unit of output, mfg. ⁹	Percent	88.0	88.9	102.0	102.9	108.0	100.8	98.8	100.5	100.4	99.7
Ratio, consumer installment credit to personal income	Percent	13.4	13.9	13.3	12.1	11.9	12.1	13.2	14.5	15.8	16.8
Average prime rate charged by banks	Percent	8.1	12.7	15.3	18.9	14.9	10.8	12.0	8.9	8.3	8.2
Average duration of unemployment	Weeks	11.9	10.8	11.9	13.7	15.6	20.0	18.2	15.6	15.0	14.5
Ratio inventories to sales, mfg. and trade (1982 dol.)	Ratio	1.6	1.6	1.5	1.6	1.7	1.6	1.6	1.6	1.5	1.5
Commercial and industrial loans outstanding (1982 dol.) ¹⁰	Bl. dol.	207	219	225	233	268	281	296	330	352	388

- Represents zero. ¹ Beginning with data for January 1984, net business formation has been suspended from this index. ² New private housing units authorized. ³ Standard and Poor, 500 stocks. ⁴ Producer price index of selected crude and intermediate materials and spot market price index of new industrial materials. ⁵ Weighted 4-term moving average placed at the terminal month of the span. ⁶ Business and consumer borrowing. ⁷ Production workers. ⁸ See table B21. ⁹ Actual data as percent of trend. ¹⁰ Includes commercial paper issued by nonfinancial companies.

Source: U.S. Bureau of Economic Analysis, *Business Conditions Digest*, monthly.

NO. 881. BUSINESS CYCLE EXPANSIONS AND CONTRACTIONS—MONTHS OF DURATION: 1919 TO 1987

[The lower turning point of a cycle is considered a trough, the upper turning point a peak. Business cycle reference dates are determined by the National Bureau of Economic Research, Inc.]

BUSINESS CYCLE REFERENCE DATE		Contraction (trough from previous peak)	Expansion (trough to peak)	LENGTH OF CYCLE	
Trough	Peak			Trough from previous trough	Peak from previous peak
March 1919	January 1920	7	10	51	17
July 1921	May 1923	18	22	28	40
July 1924	October 1929	14	27	36	41
November 1927	August 1929	12	21	40	34
March 1933	May 1937	43	50	64	83
June 1938	February 1945	13	88	63	83
October 1945	November 1948	8	37	86	45
October 1949	July 1953	11	45	48	58
May 1954	August 1957	10	38	55	49
April 1958	April 1960	8	24	47	32
February 1961	December 1969	10	108	34	116
November 1970	November 1973	11	38	117	47
March 1975	January 1980	16	56	52	74
July 1980	July 1981	6	12	64	18
November 1982	(X)	16	(X)	28	(X)
Average, all cycles:					
1919-1945 (6 cycles)		18	36	53	63
1945-1982 (8 cycles)		11	46	56	55
Average, postwar cycles:					
1919-1945 (6 cycles)		20	36	46	46
1945-1982 (6 cycles)		11	34	48	44

X Not applicable.

Source: U.S. Bureau of Economic Analysis, *Business Conditions Digest*, January 1988.

**No. 882. INTERNATIONAL ECONOMIC COMPOSITE INDEXES—AVERAGE ANNUAL PERCENT CHANGE:
1976 TO 1988**

[The composite index changes are for calendar years and the leading index changes are for years ending June 30 because they lead the composite indexes by about six months, on average. The G-7 countries are United States, Canada, France, West Germany, Italy, United Kingdom and Japan. Average annual percent changes derived from indexes with base 1980 = 100. Minus sign (-) indicates decrease]

COUNTRIES	1976- 1977	1977- 1978	1978- 1979	1979- 1980	1980- 1981	1981- 1982	1982- 1983	1983- 1984	1984- 1985	1985- 1986	1986- 1987	1987- 1988
LEADING INDEX												
Total, 10 countries	5.4	3.0	5.8	1.6	1.2	-1.1	.8	10.1	2.6	2.8	5.7	6.5
9 countries, excluding U.S.	4.8	1.0	6.7	5.8	-2.4	.8	.3	8.1	4.5	2.7	6.7	10.3
G-7 countries	5.4	2.8	5.5	1.5	-1.4	-1.1	.8	10.1	2.6	2.8	5.6	6.4
North America	6.2	5.3	4.8	-3.5	.7	-3.7	1.7	15.8	.8	2.7	4.2	5.8
United States	8.8	5.8	4.1	4.1	.7	5.5	1.8	15.8	.3	2.7	4.3	5.1
Canada	1.8	2.9	8.5	3.1	1.0	-6.5	.5	11.8	4.5	3.1	2.7	5.5
4 European countries	3.5	.3	4.8	2.7	-1.5	1.0	1.0	4.2	2.6	2.5	3.2	3.5
France	2.8	-1.8	4.8	3.7	-.8	2.0	1	3.9	2.7	2.7	5.3	4.3
West Germany	3.4	2.1	5.8	3.0	3.2	.8	2.3	8.2	2.4	2.6	1.3	4.8
Italy	2.8	2.0	3.5	4.4	4.5	-.1	-1.3	2.1	2.3	5.1	3.6	.4
United Kingdom	5.1	2.0	1.8	.5	-4.3	3.5	2.1	3.4	2.4	.5	3.0	2.5
4 Pacific region countries	7.5	1.8	11.5	11.9	-4.8	1.5	-1.0	-8.3	7.8	3.0	13.0	20.8
Australia	2.8	1.1	8.7	5.9	2.0	4.7	-3.7	8.5	6.8	3.5	3.5	7.2
China, Taiwan	7.0	11.1	11.9	4.8	5.7	5.0	.1	11.8	6.5	8.1	13.8	14.5
Japan	8.0	1.3	12.0	13.6	-6.0	1.7	-1.8	-8.1	8.1	2.3	14.0	25.0
South Korea	10.0	11.5	8.8	2.5	5.0	-8.7	8.1	8.2	4.7	8.7	16.7	12.8
CONCURRENT INDEX												
Total, 10 countries	4.5	5.4	4.4	.2	.5	-2.2	1.8	8.1	3.8	3.2	5.8	(na)
9 countries, excluding U.S.	3.2	3.9	4.9	2.5	.5	.8	1.4	2.7	4.0	3.6	3.9	(na)
G-7 countries	4.8	5.4	4.4	.1	.3	2.3	1.8	8.0	3.7	3.0	3.7	(na)
North America	8.1	7.4	3.5	-2.4	.7	8.2	2.5	9.7	3.7	2.7	3.9	(na)
United States	8.3	7.7	3.5	-2.9	.4	-8.3	2.7	8.8	3.6	2.5	3.9	(na)
Canada	2.5	4.0	5.0	2.0	3.8	-5.0	2.1	8.4	5.2	3.7	4.7	(na)
4 European countries	2.7	3.3	4.2	1.5	1.7	-.3	.8	2.1	3.0	3.5	3.4	(na)
France	2.8	1.8	2.5	1.4	.3	3.0	1.9	.8	1.4	3.5	4.1	(na)
West Germany	3.0	3.4	4.8	2.8	-.3	-2.5	-.8	2.8	3.7	4.5	2.8	(na)
Italy	2.1	2.5	4.9	5.2	1.1	.3	1	2.7	3.1	1.9	1.6	(na)
United Kingdom	2.5	5.8	5.2	2.2	5.7	1.0	1.6	2.5	4.1	3.0	4.5	(na)
4 Pacific region countries	4.8	5.0	6.2	4.0	3.6	2.8	2.3	5.9	5.1	3.7	4.7	(na)
Australia	-.9	1.8	3.7	5.2	5.8	2.2	8.8	8.1	7.3	5.1	3.6	(na)
China, Taiwan	10.8	13.9	9.9	1.5	5.8	2.7	7.1	12.2	4.1	9.6	11.7	(na)
Japan	4.9	4.8	6.5	4.2	3.1	3.3	2.8	5.1	5.0	2.8	3.9	(na)
South Korea	11.8	14.7	3.8	-5.0	-8.8	5.8	11.1	8.9	5.1	11.7	13.4	(na)

NA Not available.

Source: Center for International Business Cycle Research, Columbia Business School, New York, NY, *International Economic Indicators*, monthly.

**No. 883. MANUFACTURING AND TRADE—SALES AND INVENTORIES IN CURRENT AND CONSTANT (1982)
DOLLARS: 1970 TO 1987**

(In billions of dollars, except ratios)

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
CURRENT DOLLARS												
Sales, average monthly ¹	187	183	381	388	338	367	348	388	488	419	425	683
Manufacturing	53	87	137	144	154	188	183	171	188	180	186	201
Retail trade	31	48	87	75	80	87	88	88	107	115	120	128
Merchant wholesalers	24	47	87	70	83	102	88	100	113	115	118	127
Inventories ²	178	288	488	481	484	688	688	674	838	848	887	718
Manufacturing	102	180	211	241	264	288	317	307	328	331	318	334
Retail trade	44	72	103	111	118	127	138	138	157	172	188	211
Merchant wholesalers	32	57	88	88	112	118	130	127	138	143	153	188
Inventory-sales ratio ³	1.82	1.82	1.44	1.44	1.41	1.52	1.87	1.88	1.82	1.84	1.88	1.87
Manufacturing	1.81	1.77	1.55	1.81	1.81	1.74	1.94	1.80	1.73	1.74	1.88	1.88
Retail trade	1.38	1.38	1.44	1.42	1.40	1.46	1.48	1.42	1.47	1.50	1.55	1.87
Merchant wholesalers	1.30	1.18	1.22	1.18	1.10	1.20	1.35	1.27	1.20	1.24	1.32	1.30
CONSTANT (1982) DOLLARS												
Sales, average monthly ¹	388	388	373	373	373	367	348	388	488	414	432	648
Manufacturing	131	148	183	178	175	187	188	178	188	180	182	201
Retail trade	70	83	87	88	88	91	84	102	108	112	118	118
Merchant wholesalers	88	74	83	88	104	88	83	102	108	113	121	125
Inventories	438	488	578	588	581	882	882	884	831	838	848	678
Manufacturing	248	282	314	325	327	330	315	308	330	321	317	322
Retail trade	97	116	130	137	130	138	133	142	158	168	172	191
Merchant wholesalers	83	88	125	128	134	138	134	133	143	149	155	181
Inventory-sales ratio ⁴	1.84	1.82	1.58	1.58	1.88	1.88	1.88	1.83	1.88	1.84	1.88	1.82
Manufacturing	1.80	1.80	1.71	1.81	1.87	1.88	1.88	1.74	1.77	1.78	1.85	1.81
Retail trade	1.38	1.38	1.44	1.42	1.40	1.48	1.41	1.38	1.48	1.51	1.44	1.81
Merchant wholesalers	1.38	1.34	1.34	1.30	1.28	1.37	1.44	1.30	1.31	1.32	1.28	1.28

¹ Book value; seasonally adjusted end-of-year data. See text, section 17. ² Average inventories to average sales. Average inventories based on weighted averages of end-of-month figures. ³ Average monthly sales for fourth quarter. ⁴ End of fourth quarter inventories to average monthly sales for fourth quarter.

Source: Current dollars from U.S. Bureau of the Census, *Current Business Reports*, "Manufacturing and Trade Inventories and Sales" April 1988 and unpublished data; constant dollars from U.S. Bureau of Economic Analysis, *Survey of Current Business* February and September issues, and unpublished data.

NO. 884. MANUFACTURING CORPORATIONS, ASSETS, AND PROFITS, BY ASSET SIZE: 1970 TO 1987

[Corporations and assets as of end of 4th quarter; profit for entire year. Through 1979, corporations under \$10 million based on sample; \$10 million and over based on complete canvass, thereafter, under \$25 million based on sample and \$25 million and over based on complete canvass. For details regarding methodology, see source for first quarter, 1987]

YEAR AND ITEM	Unit	Total	ASSET-SIZE CLASS						
			Under \$10 mil.	\$10-\$25 mil.	\$25-\$50 mil.	\$50-\$100 mil.	\$100-\$250 mil.	\$250 mil.-\$1 bil.	\$1 bil. and over
Corporations:									
1970 ¹	Number	197,807	² 195,000	1,202	533	368	269	218	102
1975	Number	(NA)	(NA)	1,750	705	450	362	278	151
1977	Number	(NA)	(NA)	1,793	806	501	409	327	174
1978	Number	(NA)	(NA)	1,780	802	518	408	320	181
1979	Number	(NA)	(NA)	1,818	879	571	470	341	225
1980	Number	(NA)	(NA)	1,777	941	590	491	369	244
1981	Number	(NA)	(NA)	(NA)	845	603	520	378	259
1982	Number	(NA)	(NA)	(NA)	820	642	510	378	275
1983	Number	(NA)	(NA)	872	663	683	558	403	275
1984	Number	(NA)	(NA)	799	672	703	601	420	287
1985	Number	(NA)	(NA)	683	666	744	606	428	281
1986	Number	(NA)	(NA)	814	682	741	628	445	291
1987	Number	(NA)	(NA)	699	1,007	811	678	491	316
Assets:									
1970	Mill. dol.	578,234	66,101	20,471	20,138	25,846	47,783	112,475	282,320
1975	Mill. dol.	810,910	98,147	31,307	24,720	31,396	62,524	139,113	423,705
1977	Mill. dol.	982,986	102,241	35,603	28,595	35,032	63,560	160,107	537,830
1978	Mill. dol.	1,065,433	114,006	38,358	30,813	37,429	66,907	164,958	633,963
1979	Mill. dol.	1,242,985	124,853	42,007	34,082	40,338	73,172	189,589	758,937
1980	Mill. dol.	1,384,474	126,839	43,569	34,930	41,963	75,284	179,958	882,129
1981	Mill. dol.	1,560,353	136,915	57,453	39,758	43,924	82,284	188,913	1,011,106
1982	Mill. dol.	1,614,018	141,363	55,327	38,333	48,013	78,766	180,047	1,072,169
1983	Mill. dol.	1,704,951	149,791	54,506	41,768	52,873	87,391	194,212	1,124,812
1984	Mill. dol.	1,853,457	156,671	59,549	49,419	53,617	94,315	206,698	1,233,266
1985	Mill. dol.	1,932,766	153,663	64,324	52,669	56,019	96,748	208,403	1,298,720
1986	Mill. dol.	1,994,120	³ 140,884	67,663	55,974	58,233	97,908	217,341	1,358,137
1987	Mill. dol.	2,135,266	³ 147,919	65,623	50,171	60,674	109,458	235,368	1,465,863
Net profit: ⁴									
1970	Mill. dol.	26,572	2,812	611	636	1,101	2,315	5,862	14,632
1975	Mill. dol.	49,135	6,212	1,631	1,327	1,876	3,553	8,185	26,370
1977	Mill. dol.	70,966	8,669	2,189	1,867	2,252	4,401	11,206	36,799
1978	Mill. dol.	81,185	9,417	2,467	2,284	2,802	4,712	12,311	47,391
1979	Mill. dol.	98,696	10,119	2,720	2,347	2,666	5,347	13,412	61,864
1980	Mill. dol.	92,443	7,770	2,235	1,804	2,479	4,532	11,485	62,041
1981	Mill. dol.	101,302	8,863	3,077	1,944	2,415	4,560	10,087	70,354
1982	Mill. dol.	71,028	5,193	2,278	1,186	1,421	2,843	6,892	51,405
1983	Mill. dol.	86,834	7,436	2,693	2,149	2,466	3,661	8,734	60,693
1984	Mill. dol.	107,648	10,037	3,417	2,527	2,877	4,864	9,278	74,848
1985	Mill. dol.	87,847	8,601	2,551	2,306	2,819	3,626	7,912	60,431
1986	Mill. dol.	83,122	³ 8,659	2,988	2,129	2,514	3,684	7,572	57,376
1987	Mill. dol.	116,600	³ 7,273	3,649	2,753	3,338	5,237	9,636	63,514

NA Not available. ¹ Source: U.S. Securities and Exchange Commission. ² Data derived from U.S. Internal Revenue Service, *Statistics of Income*, annual. ³ Excludes estimates for corporations with less than \$250,000 in assets at time of sample selection. Prior periods include estimates for corporations in this size category. ⁴ After taxes.

Source: Except as noted, through 1981, U.S. Federal Trade Commission, thereafter, U.S. Bureau of the Census, *Quarterly Financial Report for Manufacturing, Mining and Trade Corporations*.

NO. 885. LARGEST INDUSTRIAL CORPORATIONS—SALES, ASSETS, NET INCOME, AND EMPLOYEES, BY SALES GROUP RANK: 1985 TO 1987

[Sales, assets, and net income in billions of dollars; employees in thousands, except percent. Excludes large privately owned companies that do not publish sales. Includes service and rental revenues, but companies must derive more than 60 percent of revenues from manufacturing or mining for years ending not later than Dec. 31 of year stated, sales exclude excise taxes collected by manufacturer and include discontinued operations]

RANK BY SALES GROUP	SALES			ASSETS ¹			NET INCOME ²			EMPLOYEES ²		
	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987
500 largest..	1,807.1	1,723.6	1,878.5	1,518.4	1,580.6	1,706.7	89.8	84.1	80.8	14,886	13,362	13,144
Top 100 ..	1,264.1	1,193.7	1,306.9	1,088.6	1,114.7	1,217.2	53.6	48.0	55.7	8,789	8,529	8,333
101-200 ..	265.5	262.4	286.6	224.8	219.6	240.4	7.0	6.4	14.3	2,466	2,302	2,302
201-300 ..	140.7	131.9	142.1	114.0	107.1	123.1	4.6	3.6	5.3	1,390	1,233	1,189
301-400 ..	83.8	82.2	88.2	72.9	75.5	72.6	2.5	2.4	2.3	886	792	787
401-500 ..	53.2	53.5	55.7	36.9	43.9	52.2	1.7	1.7	2.8	525	512	532
Percent of total:												
Top 100 ..	69.9	69.2	69.5	70.3	71.4	71.4	75.9	74.9	72.5	62.5	63.6	63.4
101-200 ..	14.7	15.2	15.2	14.8	14.1	14.1	10.1	13.1	15.8	17.5	17.3	17.5
201-300 ..	7.8	7.8	7.8	7.5	6.9	7.2	7.0	5.6	5.8	8.8	9.2	9.0
301-400 ..	4.6	4.6	4.7	4.8	4.8	4.3	3.8	3.7	2.5	6.3	6.9	6.0
401-500 ..	2.9	3.1	3.0	2.5	2.8	3.1	2.4	2.7	3.2	3.8	3.8	4.0

¹ Total assets employed in business at end of fiscal year, less depreciation and depletion. ² After taxes, special charges, and credits. ³ As of year end, or yearly average.

Source: Time, Inc., New York, NY, *The Fortune Directories*. (Copyright.)

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NO. 886. 500 LARGEST INDUSTRIAL CORPORATIONS—SELECTED FINANCIAL ITEMS 1970 TO 1987

Item	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Sales per employee	\$1,000	38.5	52.3	71.1	75.9	81.2	85.2	100.6	106.7	117.1	124.4
Changes in profits	Percent	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	28.9	16.1	7.4	4.7
Sales per dollar of stockholder's equity	Dollar	2.4	2.7	3.12	3.25	3.28	3.38	3.79	3.91	4.17	4.37
Return on stockholder's equity	Percent	8.5	11.8	14.1	15.6	15.9	16.7	15.8	16.1	16.4	16.4
Return on sales	Percent	3.3	3.3	4.5	4.5	5.2	5.2	4.5	5.3	5.4	5.4
Total return to investors	Percent	6.5	7.1	7.6	7.6	7.1	7.2	9	10.5	10.1	10.4

NA Not available. Includes both price appreciation and dividend yield, i.e., to an investor in the company's stock.

NO. 887. 500 LARGEST INDUSTRIAL CORPORATIONS—SELECTED FINANCIAL ITEMS BY INDUSTRY 1986 AND 1987

[Data are weighted and are stated based on sales per employee for latest year shown. See footnotes, table 886, above, for additional information. For definition of weights, see Guide to Tables Preparation.]

Industry	Sales per Employee (\$1,000)		Changes in Profits (Percent)		Sales per Dollar of Stockholder's Equity (Dollar)		Return on Stockholder's Equity (Percent)		Return on Sales (Percent)		Total Return to Investors (Percent)	
	1986	1987	1986	1987	1986	1987	1986	1987	1986	1987	1986	1987
Total	118.7	124.4	(NA)	(NA)	2.79	2.77	11.8	14.4	4.1	5.1	16.1	16.6
Petroleum refining	408.5	416.5	45.7	1	2.89	3.05	5.8	10.2	2.4	3.4	4.7	6.8
Mining, crude oil production	180.2	248.7	30.7	14.2	1.85	1.88	7.7	7.9	3.0	3.3	5	24.5
Soaps, cosmetics	163.0	181.1	22.9	13.6	3.71	3.84	18.7	18.2	5.4	4.9	15.4	16.7
Food	167.3	178.9	14.2	19.5	5.42	5.32	15.8	16.1	2.9	3.5	26.5	3.4
Chemicals	164.4	173.1	25.9	29.4	2.29	2.41	11.8	14.2	5.2	6.1	25.2	25.5
Beverages	151.4	160.6	11.4	11.2	2.26	2.08	18.9	14.0	7.7	7.2	16.4	2
Metals	134.3	157.1	38.2	53.6	2.52	2.73	5.1	11.1	1.5	4.3	8.5	50.5
Tobacco	142.2	150.8	8.7	24.8	2.62	2.63	22.1	20.0	7.0	6.3	48.7	18.2
Forest products	131.1	145.6	18.4	58.7	2.30	2.22	11.8	14.7	4.8	6.5	30.9	21
Building materials	125.1	140.9	18.5	17.2	2.30	2.14	11.5	13.4	3.6	6.8	15.1	25.2
Transportation equipment ²	113.2	125.9	-25.9	(NA)	3.45	5.51	5.2	23.1	1.7	3.1	8.3	11
Pharmaceuticals	111.4	123.5	20.3	15.1	1.95	1.97	23.6	22.7	13.1	13.2	27.9	11.7
Rubber products	94.2	107.2	18.8	51.8	3.38	3.48	10.9	13.1	2.3	5.7	38.2	15.7
Metal products	94.9	105.1	10.8	35.3	2.93	2.93	13.3	14.3	4.4	5.4	22.6	12.6
Computers (incl. office equip.)	87.3	105.0	25.8	26.9	1.94	2.17	10.9	14.6	5.5	8.2	16.5	6.3
Publishing, printing	85.1	103.9	10.5	15.6	2.21	2.13	18.7	16.9	6.5	8.4	14.5	8.7
Motor vehicles and parts	105.5	101.9	11.0	20.6	3.48	3.48	10.1	11.6	3.0	3.5	5.2	7.7
Aerospace	88.7	98.9	-4.3	3.9	4.01	4.21	12.4	11.3	4.1	3.7	9	24.5
Industrial and farm equipment	82.1	97.7	18.6	42.4	2.59	2.99	3.7	11.2	1.2	3.3	8.7	10.0
Scientific, photographic equipment	84.7	94.5	4.7	21.9	1.98	1.92	10.3	16.3	4.7	8.3	22.9	5
Electronics	81.6	85.1	6.1	17.1	2.77	2.46	8.9	14.1	3.4	5.0	6.7	1.4
Furniture	68.9	75.4	-7.2	8.0	3.20	2.61	18.9	15.2	5.8	5.2	17.9	7.0
Textiles	73.1	71.3	33.1	24.3	3.24	3.26	8.1	12.9	3.0	4.1	38.8	6.3
Apparel	54.8	52.2	28.7	29.0	3.21	3.14	12.2	14.1	3.9	3.9	21.5	18.9

NA Not available. ¹Includes both price appreciation and dividend yield, i.e., to an investor in the company's stock.

²Excludes motor vehicles and aircraft.

Source of tables 886 and 887: Time, Inc., New York, NY, *The Fortune* Directories (Copyright).

NO. 883. CORPORATE PROFITS, TAXES, AND DIVIDENDS, 1970 TO 1987

[In billions of dollars. Covers corporations organized for profit. Represents profits to U.S. residents, without deduction of depletion charges and exclusive of capital gains and losses, intercorporate dividends from profits of domestic corporations are eliminated, net receipts of dividends, reinvested earnings of incorporated foreign affiliates, and earnings of unincorporated foreign affiliates are added.]

Item	1970	1975	1979	1979	1980	1981	1982	1983	1984	1985	1986	1987
Profits before taxes	76.0	134.8	233.5	257.2	237.1	226.8	169.8	207.6	240.0	224.1	218.4	278.7
Less: Income tax liability ¹	34.4	50.9	83.5	88.0	84.8	81.1	63.1	77.2	83.9	86.4	108.8	111.8
Equals: Profits after taxes	41.7	83.9	150.0	169.2	152.3	145.4	106.5	130.4	156.1	137.8	109.6	167.0
Less: Net dividends ²	22.5	29.6	44.7	50.1	54.7	63.8	66.9	71.5	79.0	83.1	88.2	94.4
Equals: Undistributed profits	19.2	54.3	105.2	119.1	97.6	81.6	39.6	58.9	77.0	54.8	21.4	72.6
Capital consumption allowances ³	57.2	90.2	128.3	144.3	164.8	166.3	225.8	258.7	287.2	329.1	338.8	349.2
Profits after tax plus capital consumption allowances ³	98.9	174.1	278.3	313.5	316.9	311.7	332.3	389.1	433.3	466.9	448.4	497.1

¹Federal, State and local. ²Disbursements to U.S. residents, measured after eliminations of intercorporate dividends.

³Without capital consumption adjustment. Includes depreciation and accidental damages.

Source: U.S. Bureau of Economic Analysis, *The National Income and Products Accounts of the United States, 1929-87* and *Survey of Current Business*, July issues.

No. 889. CORPORATE PROFITS, BY INDUSTRY: 1980 TO 1987

(In billions of dollars. Profits are without inventory valuation and capital consumption adjustments. Minus sign (-) indicates loss. See headnote, table 888)

INDUSTRY	BEFORE TAXES						AFTER TAXES					
	1980	1983	1984	1985	1986	1987	1980	1983	1984	1985	1986	1987
Domestic industries, total	282.7	177.5	208.0	193.1	204.4	240.3	117.9	108.2	115.1	93.7	97.9	108.5
Agriculture ¹	.6	-.2	.1	-.1	-.1	-.1	.2	-.4	-.2	-.4	-.4	-.6
Mining	6.5	-1.8	-1.6	-5.0	-4.7	-1.7	4.7	-2.1	-2.4	-5.2	-4.8	-2.3
Construction	6.5	3.4	4.3	5.7	7.0	7.9	4.4	2.1	3.0	3.9	4.8	4.9
Manufacturing	98.3	74.1	92.1	81.2	75.7	102.9	57.1	42.6	53.7	49.6	39.5	56.2
Transportation	3.7	4.6	6.7	2.8	4.1	5.9	2.1	2.7	4.6	1.0	2.0	2.9
Communications	7.5	9.1	11.7	13.1	17.4	17.5	5.6	7.2	8.1	9.2	13.1	12.1
Public utilities	9.7	14.6	20.1	16.1	13.8	12.9	7.1	10.6	14.6	10.8	7.9	5.1
Wholesale and retail trade	39.0	45.0	52.7	45.1	46.2	50.9	25.9	31.8	37.3	28.2	27.9	27.8
Finance, insurance ²	22.9	17.4	11.4	20.7	30.5	29.8	2.1	-2.4	-11.4	-8.9	-2.6	-9.5
Services	9.9	11.5	11.3	13.4	14.6	14.7	6.9	8.2	7.7	9.5	10.7	9.7
Rest of world ³	34.4	30.2	30.9	31.2	31.9	35.4	34.4	30.9	30.9	31.2	31.9	35.4

¹ Includes forestry and fisheries. ² Includes real estate. ³ Consists of receipts by all U.S. residents, including both corporations and persons, of earnings of unincorporated foreign affiliates, dividends from their incorporated foreign affiliates, and their share of reinvested earnings of their incorporated foreign affiliates, net of corresponding outflows.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July issues.

No. 890. CORPORATE PROFITS—FINANCIAL AND NONFINANCIAL INDUSTRIES: 1970 TO 1987

(In billions of dollars. Minus sign (-) indicates loss. See headnote, table 888)

ITEM	1970	1975	1976	1979	1980	1981	1982	1983	1984	1985	1986	1987
Corporate profits with IVA ¹ and CCA ²	74.7	117.8	187.2	206.1	177.2	188.0	189.0	213.7	205.9	252.3	296.9	319.4
Domestic industries	67.8	108.2	175.0	186.4	142.8	159.4	21.9	183.6	236.0	251.2	296.9	274.0
Financial	12.3	11.6	29.1	27.3	19.7	15.2	10.1	18.0	13.6	25.9	36.4	36.5
Nonfinancial	55.4	91.6	146.0	139.1	123.1	144.2	11.9	165.6	222.4	225.3	230.6	237.5
Rest of the world	6.9	14.4	22.2	33.7	34.4	28.5	29.0	30.2	30.9	31.2	31.9	38.4
Corporate profits with IVA ¹	86.5	123.8	208.2	214.1	194.9	202.3	159.2	196.7	234.2	222.6	244.7	258.7
Domestic industries	82.8	109.5	186.0	180.4	159.6	173.8	131.2	186.6	203.3	191.4	212.9	222.3
Financial	12.2	11.2	29.1	27.8	21.0	16.5	11.9	19.1	13.0	22.6	31.9	30.1
Federal Reserve banks	3.6	5.7	7.7	9.8	11.9	14.5	15.4	14.6	16.7	16.8	16.0	16.0
Other	8.6	5.5	21.4	18.2	9.0	1.9	3.6	3.3	-3.7	-6.1	15.6	14.1
Nonfinancial	50.4	86.3	156.8	152.6	138.6	157.3	119.4	148.5	190.3	168.6	180.9	192.1
Manufacturing	28.7	53.6	89.7	87.5	77.1	59.5	58.0	70.1	88.6	79.7	79.4	88.8
Durable goods ³	10.2	19.8	44.6	37.3	21.3	21.0	2.1	17.2	38.1	29.5	32.4	35.5
Primary metal industries	.8	2.7	3.5	3.6	2.5	3.1	-4.9	-4.9	-.6	-1.4	-.5	1.4
Fabricated metal products	1.1	3.1	4.9	5.2	4.3	4.4	2.4	3.0	4.7	4.6	5.4	5.7
Machinery, except electrical	3.0	4.8	9.6	9.1	7.7	6.6	4.1	3.1	6.2	3.2	3.3	3.2
Electrical and electronic equipment	1.2	2.4	6.7	5.2	4.7	4.1	1.7	3.7	5.5	3.6	3.2	3.2
Motor vehicles and equipment	1.2	2.0	8.9	4.7	-2.5	1	-.8	6.1	9.0	7.2	7.6	7.3
Nondurable goods ³	16.5	33.8	44.0	50.2	55.8	67.5	55.9	53.0	50.7	61.2	47.0	60.3
Food and kindred products	3.2	8.8	6.2	5.8	6.1	8.7	7.0	7.2	6.7	8.3	11.2	12.8
Chemicals and allied products	3.9	6.4	6.2	7.2	5.4	6.2	6.2	6.7	6.0	6.2	9.5	13.6
Petroleum and coal products	3.5	9.5	14.7	22.5	31.4	36.5	29.1	21.4	17.2	17.5	7.0	12.2
Transportation and public utilities	6.2	10.3	20.9	15.2	17.6	19.5	19.3	28.5	36.5	33.0	39.2	34.9
Wholesale and retail trade	9.8	22.2	27.3	28.7	21.8	32.5	34.6	38.9	51.2	44.1	46.1	42.8
Other	5.9	12.2	20.0	21.1	22.4	18.6	7.5	10.9	11.8	11.8	16.3	17.6

¹ Inventory valuation adjustment. ² Capital consumption adjustment. ³ Includes other industries not shown separately.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July issues.

No. 891. CORPORATE PHILANTHROPY AS A PERCENT OF PRETAX NET INCOME: 1984 TO 1987

(Data are based on a sample of 1,200 corporations. Corporation must have given at least \$100,000)

INDUSTRY CLASS	1984	1985	1986	1987	INDUSTRY CLASS	1984	1985	1986	1987
All firms, average	.83	.89	1.50	1.91	Manufacturing firms, average—				
Manufacturing firms, average	.80	1.06	2.15	1.73	Con.				
Chemicals	1.05	1.31	1.84	1.52	Pharmaceuticals	1.30	1.23	1.79	1.82
Electrical machinery and equipment	.90	1.33	2.77	3.06	Primary metal industries	1.24	.56	3.00	(?)
Fabricated metal products	1.25	.94	1.24	1.11	Printing and publishing	1.19	1.22	1.51	1.02
Food, beverage and tobacco	1.10	1.10	2.25	1.86	Rubber, misc. plastic products	.80	1.25	(?)	(?)
Machinery nonelectrical	.95	1.39	1.79	1.18	Stone, clay and glass products	1.04	1.89	.98	(?)
Mining	.88	1.88	(?)	(?)	Textiles	2.69	4.97	1.37	.82
Paper and allied products	1.15	1.23	1.05	.89	Transportation equipment	.88	.99	1.84	1.76
Petroleum and gas	.70	.78	1.56	1.36	Nonmanufacturing firms, average	1.01	.89	.77	.89

¹ Primary metals and stone, clay, and glass firms included with fabricated metal firms. ² Mining firms included with petroleum firms. ³ Rubber and miscellaneous plastic firms included with transportation firms.

Source: Duffy, Maureen Nevin, *Annual Survey of Corporate Contributions*, The Conference Board, New York, NY. (Copyright)

No. 882. SELECTED INDUSTRY RATIOS—CORPORATE PROFITS, STOCKHOLDERS' EQUITY, SALES AND DEBT: 1960 TO 1967

[Averages of quarterly figures at annual rates. Beginning 1966, data exclude estimates for corporations with less than \$250 000 in assets at time of sample selection. Data are not necessarily comparable from year to year due to changes in accounting procedures, industry classifications, sampling procedures, etc., for detail, see source. Based on sample, see source for discussion of methodology. Minus sign (-) indicates loss]

INDUSTRY GROUP	RATIO OF PROFITS TO STOCKHOLDERS' EQUITY (percent)				PROFITS PER DOLLAR OF SALES (cents)				RATIO OF STOCKHOLDERS' EQUITY TO DEBT			
	1960	1965	1966	1967	1960	1965	1966	1967	1960	1965	1966	1967
All manufacturing corporations ¹	13.9	10.1	9.5	12.8	4.6	3.8	3.6	4.9	2.3	1.9	1.8	1.9
Durable goods industries	11.2	9.2	7.5	11.9	4.6	3.4	2.9	4.8	2.2	2.2	2.2	1.9
Stone, clay and glass products	10.8	7.9	10.5	15.4	4.2	3.1	3.9	5.3	1.6	1.7	1.5	1.1
Primary metal industries	11.7	7.9	10.0	9.3	4.1	2.6	3.0	2.6	1.7	1.2	1.1	1.1
Iron and steel	9.0	11.0	39.5	15.7	2.9	2.6	7.3	2.7	1.7	6	7	7
Nonferrous metals	15.6	5.7	4.3	6.1	5.8	2.5	2.0	2.5	1.8	1.8	1.6	1.5
Fabricated metal products	13.9	6.2	6.7	11.7	4.2	2.6	2.6	3.6	2.1	1.6	1.6	1.5
Machinery, exc. electrical	15.0	9.3	6.0	9.2	6.5	4.7	3.3	4.9	2.2	2.6	2.5	2.3
Electrical and electronic equipment	15.1	6.3	6.9	10.8	5.0	3.4	3.9	4.6	2.6	2.7	2.5	2.3
Transportation equipment	6	15.4	12.4	15.5	.3	4.1	3.6	4.8	2.7	2.9	2.7	2.1
Motor vehicles and equipment	9.3	18.2	14.4	16.3	3.4	4.9	4.2	5.3	3.4	4.2	3.2	2.3
Aircraft, guided missiles and parts	16.0	11.1	9.4	14.6	4.3	3.1	2.9	4.2	2.6	2.6	2.6	2.3
Instruments and related products	17.5	10.1	3.1	11.4	9.3	5.7	1.8	6.2	4.3	3.5	3.0	2.5
Nondurable goods industries	16.4	11.6	11.3	13.7	5.6	4.1	4.6	5.2	2.3	1.7	1.5	1.4
Food and kindred products ²	14.7	15.3	16.2	17.4	3.4	4.1	4.2	4.6	1.9	1.4	1.1	1.1
Tobacco manufactures	19.8	(?)	(?)	(?)	11.7	(?)	(?)	(?)	1.6	(?)	(?)	(?)
Textile mill products	8.5	8.6	13.1	15.0	2.2	2.4	3.7	3.9	2.0	1.5	1.5	1.2
Paper and allied products	12.1	9.7	10.7	14.7	5.1	4.0	4.4	5.8	2.0	1.7	1.5	1.5
Printing and publishing	16.4	16.2	16.6	17.6	5.5	6.5	6.7	6.1	2.1	1.7	1.6	1.4
Chemicals and allied products	15.4	9.4	12.9	15.6	7.1	4.7	6.2	7.4	2.2	2.1	1.7	1.7
Industrial	11.9	4.2	12.5	16.3	5.4	2.2	6.0	7.6	1.9	1.6	1.5	1.4
Drugs	19.9	15.2	23.0	17.6	13.2	9.6	14.6	10.4	3.0	3.2	2.5	2.3
Petroleum and coal products	20.0	6.5	6.1	7.7	7.7	4.0	3.8	4.5	3.4	1.6	1.5	1.6
Rubber and misc. plastics products	6.7	9.5	11.9	21.5	2.0	2.8	3.4	5.2	1.6	1.6	1.5	1.0
Mining corporations, total ³	19.2	4.6	16.6	3.6	11.3	3.2	14.4	2.6	1.3	1.6	1.6	1.6
Retail trade corporations, total ³	13.3	12.5	12.3	12.3	1.7	2.3	2.3	2.1	1.2	1.4	1.3	1.1
Wholesale trade corporations, total ³	17.3	8.7	8.4	8.4	1.8	1.6	1.1	1.6	1.2	1.3	1.3	1.6

¹ Includes other industries not shown separately. ² Beginning 1965, tobacco included in food and kindred products.

³ Beginning 1965, represents results of companies with assets over \$25 million.

Source: 1960, U.S. Federal Trade Commission, thereafter, U.S. Bureau of the Census, *Quarterly Financial Report for Manufacturing, Mining and Trade Corporations*. In U.S. Council of Economic Advisors, *Economic Report of the President*, annual.

No. 883. U.S. PARENT COMPANIES AND THEIR FOREIGN AFFILIATES—ASSETS, SALES, EMPLOYMENT, EMPLOYEE COMPENSATION, U.S. EXPORTS AND IMPORTS: 1966

[In millions of dollars, except as indicated]

INDUSTRY ¹	U.S. PARENTS				FOREIGN AFFILIATES				U.S. exports shipped to foreign affiliates	U.S. imports shipped from foreign affiliates
	Total assets	Sales	Employment (1,000)	Employee compensation	Total assets	Sales	Employment (1,000)	Employee compensation		
All industries	3,513,832	2,543,951	17,981.6	561,826	322,225	336,764	6,362.7	117,341	71,264	66,689
Petroleum	423,046	269,216	812.6	33,636	174,973	199,797	296.3	9,979	1,900	7,492
Manufacturing	1,408,850	1,261,478	10,384.7	350,767	355,646	450,037	4,175.1	78,228	51,055	51,645
Food and kindred products	148,336	163,008	1,215.6	28,618	28,595	44,536	405.3	5,603	1,067	697
Chemical and allied products	210,419	161,821	1,264.1	44,952	75,636	60,301	571.6	11,161	5,702	2,661
Primary and fabricated metals	64,567	76,612	667.3	22,702	22,119	23,789	271.6	4,565	1,132	1,400
Machinery (except electrical)	157,830	126,368	1,237.9	48,248	66,962	71,204	561.6	13,658	6,736	5,677
Electric and electronic equipment	183,520	159,747	1,569.6	54,547	39,556	46,033	745.7	11,442	7,125	7,963
Transportation equipment	365,604	333,126	2,310.6	66,023	69,456	110,634	751.3	15,509	24,166	26,322
Other	226,371	216,492	2,139.3	62,679	63,301	73,346	647.6	14,060	5,063	4,924
Wholesale trade	68,819	172,654	325.7	8,536	61,200	149,549	463.0	11,692	16,660	4,932
Finance (except banking), insurance, real estate	1,264,606	337,644	1,006.5	36,651	236,260	36,524	147.9	3,847	15	-
Services	61,480	78,252	1,273.7	25,369	25,662	25,489	320.6	6,464	174	24
Other industries	528,721	406,720	4,058.0	104,846	96,463	99,398	636.6	6,122	1,160	1,467

- Represents zero. ¹ Represents industry of U.S. parent or industry of foreign affiliate.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, June 1966.

No. 894. U.S. LARGEST PUBLIC COMPANIES—RETURN ON EQUITY, DEBT EQUITY RATIO, SALES, AND EARNINGS PER SHARE—BY INDUSTRY: 1983 TO 1987

[In percent, except ranks. For fiscal years ending in the 12 month period ending September 30. Included in the Forbes Universe of 1,000 companies is every firm with revenue of over \$475 million in 1987. Represents industry medians; calculated by listing companies in rank order and selecting the midpoint. Where there is an even number of companies, an arithmetic average of the two middle companies is substituted]

INDUSTRY	PROFITABILITY					GROWTH					
	Return on equity ¹			1987		Sales ⁴			Earnings per share		
	5-year rank	5-year average 1983-87	Latest 12 months 1987	Debt as per-cent of equity ²	Net profit margin ³	5-year rank	5-year average 1983-87	Latest 12 months 1987	5-year rank	5-year average 1983-87	Latest 12 months 1987
All-Industry medians	(x)	12.8	13.8	48.6	4.3	(x)	6.8	8.3	(x)	5.3	13.9
Beverage and tobacco.....	1	20.5	19.4	32.2	7.4	11	8.2	8.3	1	12.9	12.8
Communications media.....	2	19.1	17.8	49.8	5.9	5	11.5	9.8	2	12.9	9.5
Financial services.....	3	18.7	17.2	71.4	4.7	1	17.1	10.1	8	9.5	5.9
Industrial, office services.....	4	18.1	15.2	29.2	4.3	4	11.8	12.9	3	12.2	6.8
Health.....	5	17.5	20.0	36.0	7.7	8	10.8	12.0	7	10.0	14.2
Electrical equipment.....	6	16.3	16.9	13.0	6.9	23	5.6	4.6	12	7.5	15.6
Food processors.....	7	16.3	16.0	52.7	3.5	18	6.3	10.2	11	8.0	16.8
Retailing.....	8	16.1	14.0	52.5	2.7	3	13.6	10.1	5	11.8	14.6
Food distributors.....	9	16.1	14.9	74.0	1.5	10	9.4	7.7	10	8.2	8.9
Electric utilities.....	10	14.4	13.6	98.4	12.3	21	5.8	.4	16	5.3	1.9
Banks and thrifts.....	11	14.4	9.8	43.6	5.1	6	11.4	4.2	6	11.1	-24.6
Telecommunications.....	12	13.8	13.2	63.0	8.4	22	5.8	1.9	19	2.8	3.4
Aerospace and defense.....	13	13.6	12.8	28.0	3.9	17	6.5	1.8	13	6.1	11.6
Consumer products.....	14	13.4	14.7	39.5	3.9	12	7.7	12.6	14	5.8	13.9
Natural gas.....	15	12.9	10.2	85.5	5.3	26	3.8	-6.5	24	-.5	.1
Apparel, shoes and textiles.....	16	12.8	13.5	35.5	3.5	15	7.0	9.3	26	-3.6	15.1
Insurance.....	17	12.6	15.9	17.0	6.5	2	14.4	12.5	4	12.0	16.9
Packaging.....	18	11.6	14.3	48.6	4.3	13	7.7	13.7	9	8.8	53.7
Computers and electronics.....	19	11.3	11.4	26.4	4.2	7	11.2	13.0	20	1.1	19.0
Conglomerates.....	20	11.1	14.7	52.1	5.6	27	3.8	.5	22	.3	20.1
Paper.....	21	10.9	15.0	50.8	6.2	19	6.1	18.0	15	5.7	8.3
Chemicals.....	22	10.6	14.4	41.4	5.3	28	2.1	8.4	27	-7.3	38.8
Automotive.....	23	10.5	10.8	39.1	3.4	14	7.5	6.7	17	3.5	23.6
Leisure and recreation.....	24	10.4	11.0	59.9	4.8	20	6.0	13.6	21	1.0	5.1
Construction.....	25	10.3	11.1	45.3	3.7	24	4.9	7.2	23	-.1	26.2
Surface transportation.....	26	9.3	9.3	67.0	3.2	16	6.8	3.9	25	-3.1	-19.7
Air transport.....	27	7.3	4.1	64.0	1.9	9	10.8	19.2	18	2.8	30.5
Oil.....	28	6.8	3.3	61.0	1.2	31	-5.6	-10.4	28	(NS)	-53.5
Heavy equipment.....	29	5.6	6.1	38.2	2.0	30	-.2	.9	29	(NS)	1.4
Coal.....	30	4.5	5.6	62.6	4.8	25	4.0	-.2	28	(NS)	8.5
Metals.....	31	(⁵)	2.9	40.0	2.2	29	.1	6.3	26	(NS)	17.3

NS Not significant. X Not applicable. ¹ Represents net income divided by common shareholders' equity. Common shareholders' equity is total shareholders' equity including the stated value of all preferred stock at the beginning of each year minus the involuntary liquidating value of non-convertible preferred shares. ² Long-term debt, including capitalized leases, divided by total equity, including preferred equity. ³ Net income divided by net sales, including other operating income. ⁴ Net sales plus other operating revenue. ⁵ Deficit.

Source: Forbes, Inc., New York, NY, *Forbes Annual Report on American Industry*. (Copyright.)

No. 895. CORPORATE FUNDS—SOURCES AND USES: 1970 TO 1987

[In billions of dollars, except percent, Covers nonfarm nonfinancial corporate business. See text, section 17]

SOURCE AND USE	1970	1975	1980	1981	1982	1985	1984	1985	1986	1987
Sources, total	102.2	158.4	345.9	383.3	327.5	432.3	518.5	492.3	491.3	484.1
Internal.....	62.8	124.8	200.1	239.5	242.3	285.7	336.3	355.4	351.5	347.2
Domestic undistributed profits	7.6	36.4	53.7	50.2	11.6	22.2	41.8	23.4	7.5	9.9
IVA and CCA ¹	-1.6	17.9	59.2	-38.0	-18.7	5.1	25.1	50.3	49.9	29.0
Capital consumption allowances.....	49.9	91.9	171.3	198.8	221.4	226.2	236.4	251.2	262.6	274.3
Foreign earnings ²	6.9	14.4	34.4	28.5	28.1	30.2	30.9	30.5	31.2	34.0
External ³	39.5	33.6	145.8	143.9	85.1	146.6	182.2	136.9	139.9	136.9
Percent of total	38.6	21.2	42.2	37.5	26.0	33.9	35.1	27.8	28.5	28.3
Credit market funds.....	34.2	27.1	92.7	94.5	80.4	88.6	121.6	85.2	109.5	77.4
Securities and mortgages.....	26.3	38.5	53.1	22.8	44.0	57.3	-7.5	15.3	33.3	24.3
Equity issues	5.7	9.9	12.9	-11.5	11.4	28.3	-74.5	-81.5	-80.8	-76.5
Bonds and mortgages ⁴	20.6	26.6	40.3	34.2	32.6	29.0	67.0	96.8	114.1	100.6
Loans and short-term paper.....	7.9	-11.5	39.5	71.7	36.4	31.3	129.0	69.9	76.1	53.2
Other.....	5.3	6.5	53.2	49.3	4.7	58.0	60.7	51.7	30.4	59.5
Profit taxes payable	3.7	-2.4	-1.7	-6.8	-14.1	5.8	.7	-1.8	1.0	1.0
Trade debt.....	7.5	6.3	39.6	30.8	5.0	40.8	34.4	33.0	3.0	18.6
Foreign direct investments in U.S.....	1.5	2.6	15.3	25.3	13.8	11.5	25.6	20.5	26.4	39.9
Uses, total	97.9	158.4	352.1	388.8	303.5	399.8	488.0	442.4	439.8	452.3
Capital expenditures.....	79.2	112.3	243.7	266.5	256.5	274.7	370.9	342.8	339.2	361.5
Increase in financial assets.....	18.7	41.1	108.4	82.0	47.0	125.1	117.1	99.7	100.6	90.8
Discrepancy (sources less uses).....	4.3	5.0	-6.2	14.8	24.0	32.5	30.5	49.9	51.5	31.9

¹ Inventory valuation and capital consumption adjustment. ² Foreign branch profits, dividends, and subsidiaries earnings retained abroad. ³ Net increases in liability. ⁴ Includes industrial pollution control revenue bonds, issued by State and local governments.

Source: Board of Governors of the Federal Reserve System. Data derived from *Flow of Funds Accounts*, annual.



Section 18

Communications

This section presents statistics on the usage, finances, and operations of the Postal Service and of the various communications media: Telephone, telegraph, radio, television, newspapers and periodicals. Expenditures data for advertising in the media are also included.

Postal Service.—The Postal Service provides mail processing and delivery services within the United States. The Postal Reorganization Act of 1970 created the Postal Service, effective July 1971, as an independent establishment of the Federal Executive Branch; it also placed restrictions on the private delivery of mail.

"Revenue and cost analysis" is the term used by the Postal Service to describe its system of attributing revenues and costs to classes of mail and service. This system draws primarily upon probability sampling techniques to develop estimates of revenues, volumes, and weights, as well as costs by class of mail and special service. The costs attributed to classes of mail and special services are primarily incremental costs which vary in response to changes in volume; they account for roughly 60 percent of the total costs of the Postal Service. The balance represents "institutional costs" which includes funds for research and development, portions of personnel and office supplies, etc. Statistics on revenues, volume of mail, and distribution of expenditures are presented in the Postal Service's annual report, *Cost and Revenue Analysis*, and its *Annual Report of the Postmaster General*.

Communication media.—The Federal Communications Commission (FCC), established in 1934, regulates wire and radio communications and licenses radio and television stations. Only the largest carriers and controlling companies file annual or monthly financial reports. Jurisdiction of the FCC applies to domestic and overseas telegraph carriers and to the Communications Satellite Corporation (Comsat), but not to a large number of telephone carriers that are engaged in intrastate service. The gross operating revenues of the telephone carriers reporting annually to the FCC, however, are estimated to cover about 90 percent of the revenues of all U.S. telephone companies.

Reports filed by the broadcasting industry cover substantially all radio and television stations operating in the United States and its outlying areas. The private radio services represent the largest and most diverse group of licensees regulated by the FCC. These services provide voice, data communications, point-to-point and point-to-multipoint communications to satisfy the requirements of individuals and American industry for land mobile and microwave communications. Major users of these services are: small business; the aviation industry; the maritime trades; the land transportation industry; manufacturing industries; state and local public safety and governmental authorities; emergency medical service providers; amateur radio operators and personal radio operations (CB and the General Mobile Radio Service). The FCC also licenses entities as "private carriers". Private carriers provide land mobile communications service and paging service on a for-profit basis. Principal sources of wire, radio, and television data are the FCC's *Annual Report*, and its annual *Statistics of Communications Common Carriers*.

Statistics on the printed media are available from the U.S. Bureau of the Census, as well as from various private agencies. The censuses of manufactures (conducted by the Census Bureau every five years, for the years ending in "2" and "7") provide statistics on the number and circulation of newspapers and periodicals and on sales of books and pamphlets. Editor & Publisher Co., New York, presents annual data on the number and circulation of daily and Sunday newspapers in its *International Year Book*. Monthly data on new books and new editions appear in *Publishers Weekly*, issued by R. R. Bowker Company, New York. (See table 382 for annual data.)

Advertising.—The statistics on advertising expenditures are compiled primarily by private organizations. McCann-Erickson, Inc., which compiles certain of the data shown (see tables 918-920), defines national advertising as the advertising done for companies whose products are distributed nationally, and for which national media rates are paid. Local advertising is defined as the advertising done for companies which market their products locally and which may pay special "local" media rates. Spot advertising is considered time bought by a national advertiser on a selective market basis. Monthly index figures of advertising in certain media are also published periodically by McCann-Erickson in *Advertising Age*.

The Broadcast Advertisers Reports (see tables 922-924) distinguished between spot and local advertising primarily on the basis of the type of advertiser to whom the time is sold, rather than how and by whom it is sold. In general, time purchased on behalf of retail or service establishments in

the market is considered local, even though the establishments may be part of a national or regional chain. That is, spot advertising promotes a product, while local advertising promotes a given establishment. Network advertising, mutually exclusive of spot and local, is broadcast through the network system.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

No. 896. U.S. POSTAL SERVICE—SUMMARY: 1975 TO 1987

[Employees in thousands; revenue and expenditures in millions of dollars, except as indicated. For fiscal years; see text, section 9. Includes Puerto Rico and all outlying areas except Canal Zone. See text, section 18]

ITEM	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
Employees, total.....	702	663	667	679	676	679	702	744	786	791
Regular.....	559	534	536	544	547	547	561	536	606	633
Postmasters.....	30	28	29	29	29	28	28	28	27	26
Office supervisors and tech. personnel.....	37	36	36	37	36	39	46	46	49	54
Office clerks and mail handlers ¹	239	230	229	232	232	229	235	249	260	272
City carriers and vehicle drivers.....	167	160	160	164	165	166	171	179	167	196
Rural carriers.....	31	32	33	33	34	34	36	36	38	37
Other.....	56	48	49	49	49	51	47	46	47	49
Substitute (part-time).....	143	129	130	126	126	132	141	159	179	156
Compensation and employed benefits (mil. dol.)	10,806	15,162	16,541	18,016	19,094	20,070	22,157	24,349	25,576	27,229
Avg. salary per employee (dol.) ²	15,392	22,869	24,799	26,893	28,283	29,565	31,562	32,727	32,581	34,424
Pieces of mail per employee, avg.....	127	151	159	164	169	176	187	186	186	195
Total revenue ³	11,999	17,999	19,106	20,791	23,626	24,699	26,474	23,626	31,021	32,297
Operating postal revenue.....	10,015	16,106	17,143	19,133	22,000	23,582	25,314	27,736	30,102	31,526
Stamps, postal cards, etc.....	2,819	4,362	4,267	4,625	5,559	5,709	6,023	6,520	6,669	7,246
Second-class postage paid in money (pound rates) ⁴	264	755	891	911	986	991	1,056	1,339	1,271	1,326
Other postage paid under permit and meter.....	6,241	10,062	10,826	11,661	13,964	14,755	16,067	17,747	19,294	20,280
Box rents.....	67	153	160	166	166	202	186	230	259	273
Miscellaneous.....	556	663	692	1,427	1,771	1,801	1,847	1,774	2,174	2,255
Money-order revenues.....	53	91	95	111	122	124	132	126	135	146
Government appropriations.....	1,533	1,720	1,610	1,275	707	799	679	970	716	650
Percent of total revenue.....	13.2	9.6	8.4	6.1	3.0	3.2	3.3	3.3	2.3	2.0
Investment income, net.....	37	173	363	373	321	326	262	250	203	119
Mail and service:										
First-class mail ⁵	5,796	9,733	10,146	11,467	13,747	14,255	15,216	16,740	18,035	18,786
Priority mail ⁶	411	561	612	758	823	849	926	960	1,011	1,066
Second-class publishers' mail ⁷	277	736	864	865	961	956	1,025	1,063	1,222	1,280
Third-class mail ⁸	1,346	2,216	2,412	2,643	3,303	3,677	4,241	4,867	5,606	6,146
Bulk rate.....	1,167	1,967	2,166	2,405	3,092	3,482	4,039	4,697	5,414	5,947
Single piece rate and fees.....	181	249	244	238	211	195	202	190	193	200
Fourth-class mail ⁹	718	747	806	786	796	753	774	763	814	823
Zone rate mail (parcels, catalogs, etc.).....	577	484	500	499	507	500	519	524	550	563
Special fourth-class rate.....	130	237	272	251	237	206	210	199	213	203
Library rate and fees.....	11	27	33	36	44	47	46	40	51	57
Government mail ¹⁰	484	678	745	761	918	913	901	934	962	907
International mail ¹¹	390	550	596	736	862	674	859	962	934	957
Special services.....	251	506	518	823	823	896	896	916	979	1,030
Express mail.....	(x)	(x)	164	270	339	422	490	544	491	499
Mailgrams.....	(x)	(x)	15	16	16	14	13	15	17	13
Other ¹²	1,913	2,120	2,206	1,847	1,026	1,116	1,159	1,220	919	769
Expenditures (mil. dol.) ¹³	12,576	17,529	19,412	21,999	23,626	24,699	26,357	29,207	20,716	32,620
Number of post offices.....	30,764	30,449	30,326	30,242	30,155	29,990	29,750	29,557	29,344	29,319
Pieces of mail handled (est.) (bil.).....	69.3	99.6	108.3	110.1	114.0	119.4	131.5	140.1	147.4	153.9
First-class, number (bil.) ⁵	51.4	56.0	60.3	61.5	62.3	64.3	68.4	72.4	76.2	78.9
Percent.....	57.6	56.1	56.7	55.8	54.5	53.6	52.0	51.7	51.7	51.3
Second class (bil.).....	9.1	8.4	6.4	10.0	9.5	9.2	9.5	10.4	10.6	10.3

X Not applicable. ¹ Includes mobile unit employees. ² Includes fringe benefits. ³ Net revenues after refunds of postage. Includes operating reimbursements, embossed envelope purchases, indemnity claims, and miscellaneous revenue and expenditure offsets. Shown in year which gave rise to the earnings. ⁴ Includes controlled circulation publications. ⁵ Items mailed at 1st-class rates and weighing 12 ounces or less. ⁶ Items otherwise qualified as 1st-class or airmail that exceeds 12 ounces and 8 ounces, respectively. ⁷ Includes other not shown separately. Includes mail paid at other than bulk rates. Publishers' mail includes printed publications periodically issued and mailed at a known post office to paid subscribers, such as regular rate newspapers and magazines, and classroom and nonprofit rate publications. See source for further detail. ⁸ Items less than 16 ounces in weight not mailed at either 1st- or 2d-class rates. ⁹ Items not mailed at 1st-, 2d-, or 3d-class rates, except government and international mail. May include parcel post, catalogs weighing 16 ounces or more, books, films, and records. ¹⁰ Penalty and franked. ¹¹ Mail from U.S. to foreign countries paid at international mail rates. ¹² Consists of unassignable revenues; 1975 includes domestic airmail. ¹³ Shown in year in which obligation was incurred.

Source: U.S. Postal Service, *Annual Report of the Postmaster General*.

No. 887. U.S. POSTAL SERVICE—VOLUME OF MAIL BY CLASS: 1970 TO 1980¹

In millions, except per capita. For third years, see last number. ² Includes Priority Mail and all other special delivery mail. ³ Zone. For definition of classes of mail, see footnote, table 886. See also Historical Statistics, Colonial Times to 1972 series R 172-185.

CLASS OF MAIL	PIECES OF MAIL					WEIGHT OF MAIL, LB.				
	1975	1975	1980	1980	1980 ²	1975	1975	1980	1980	1980 ²
Total	84,882	88,386	100,571	100,888	102,881	12,881	12,886	12,886	12,783	12,881
Domestic	83,886	88,384	100,568	100,888	102,853	12,885	12,884	12,884	12,783	12,881
1st class and airmail	52,174	52,482	60,332	62,577	62,883	1,886	1,786	2,773	1,883	1,883
Priority mail	185	257	248	308	354	37	48	89	2,773	1,883
2d class ³	2,374	2,773	12,887	12,888	12,884	1,881	1,884	1,478	1,883	1,883
3d class	12,884	2,787	30,387	52,178	58,734	2,882	2,883	2,883	1,883	1,883
4th class	87	87	883	578	875	4,786	1,784	2,887	1,883	1,883
Parcels	2,544	2,888	2,882	2,888	2,885	548	577	883	1,883	1,883
Forward and time for airmail	278	338	548	778	548	48	58	58	1,883	1,883
International	886	832	883	828	778	286	271	278	778	778
Per capita ⁴										
Total, all domestic mail ⁵	477	477	484	585	632	64	55	58	1,883	1,883
1st class and airmail	245	244	288	304	326	8	8	10	1,883	1,883
2d class ²	48	45	45	44	43	18	14	15	1,883	1,883
3d class	98	102	134	219	247	10	11	14	1,883	1,883
4th class	5	4	3	2	3	23	17	12	8	8

¹ Beginning 1980, includes express mail established as a class of mail on October 9, 1977, and mailgrams. ² See footnote 2, table 886. ³ 1970 and 1980, based on April 1 population, including Armed Forces abroad; otherwise, based on estimated total population as of Jan. 1, including Armed Forces abroad. ⁴ Includes types of mail not shown separately.
Source: U.S. Postal Service, *Annual Report of the Postmaster General*.

No. 888. U.S. POSTAL SERVICE RATES FOR LETTERS AND POST CARDS: 1958 TO 1988

[See also Historical Statistics, Colonial Times to 1972 series R 188-191]

DATE OF RATE CHANGE	SURFACE MAIL				Do- mestic airmail let- ters ¹	DATE OF RATE CHANGE	SURFACE MAIL				Do- mestic airmail letters	Express mail ²
	Letters			Postal and post cards			Letters			Postal and post cards		
	Each ounce	First ounce	Each added ounce				Each ounce	First ounce	Each added ounce			
1958 (Aug. 1)...	4c	(X)	(X)	3c	7c	1975 (Dec. 31)	(X)	13c	11c	9c	(X)	(X)
1958 (Jan. 7)...	5c	(X)	(X)	4c	8c	1978 (May 29)	(X)	15c	13c	10c	(X)	(X)
1958 (Jan. 7)...	8c	(X)	(X)	5c	10c	1981 (Mar. 22)	(X)	18c	17c	12c	(X)	(X)
1971 (May 16)...	8c	(X)	(X)	8c	11c	1981 (Nov. 1)	(X)	20c	17c	13c	(X)	\$9.38
1974 (Mar. 2)...	10c	(X)	(X)	8c	13c	1985 (Feb. 17)	(X)	22c	17c	14c	(X)	\$10.75
1975 (Sept. 14)...	(X)	10c	9c	7c	(X)	1988 (Apr. 3)...	(X)	25c	20c	15c	(X)	\$8.75
												\$12.00

X Not applicable. ¹ Each ounce, except as noted. ² Post Office to addressee rates. Rates shown are for weights up to 2 pounds, all zones. Beginning Feb. 17, 1985, for weights between 2 and 5 lbs. \$12.65 is charged. Prior to Nov. 1, 1981, rate varied by weight and distances. Over 5 pounds still varies by distance. ³ As of October 11, 1975, surface mail service upgraded to level of airmail. ⁴ 17c for first ounce; 15c for each added ounce. ⁵ As of May 1, 1977, domestic airmail service, as a separate class of mail, was discontinued. ⁶ Letter rate up to eight ounces. ⁷ Over eight ounces and up to two pounds.
Source: U.S. Postal Service, "United States Domestic Postage Rates. Recent History," and unpublished data.

No. 889. INTERNATIONAL AIR MAIL RATES FROM THE U.S.: 1961 TO 1988

[Excludes Canada and Mexico]

DATE OF RATE CHANGE	ZONE 1 ¹		ZONE 2 ²		ZONE 3 ³		Postal and post cards	Aero-grammes
	Each 1/2 ounce up to two ounces	Each added 1/2 ounce	Each 1/2 ounce up to two ounces	Each added 1/2 ounce	Each 1/2 ounce up to two ounces	Each added 1/2 ounce		
July 1, 1961	.13	.13	.15	.15	.25	.25	.11	11
May 1, 1967	.15	.15	.20	.20	.25	.25	.13	13
July 1, 1971	.17	.17	.21	.21	.21	.21	.13	13
Mar. 2, 1974	.21	.17	.26	.21	.26	.21	.18	18
Jan. 3, 1978	.25	.21	.31	.26	.31	.26	.21	22
Jan. 1, 1981	.35	⁴ .30	.40	⁵ .35	.40	⁶ .35	.28	30
Feb. 17, 1985	.39	⁷ .33	.44	⁸ .39	.44	⁹ .39	.33	38
In effect, April 17, 1988 ¹⁰	.45	.42	.45	.42	.45	.42	.38	39

¹ Caribbean, Central and South America. The airmail letter rate to South America, 1961 to 1987, was the same as that to Europe. Beginning January 3, 1978, the airmail letter rate to all South American countries except Colombia and Venezuela is the same as Europe; Colombia and Venezuela are included in the first zone. ² Europe and Mediterranean Africa. ³ Rest of world. ⁴ Up to 32 oz.; 30 cents per additional ounce over 32. ⁵ Up to 32 oz.; 35 cents per additional ounce over 32. ⁶ Up to 32 oz.; 33 cents per additional ounce over 32. ⁷ Up to 32 oz.; 39 cents per additional ounce over 32. ⁸ Air letters collapsed to a single schedule except for Canada and Mexico.
Source: U.S. Postal Service, unpublished data.

No. 900. UTILIZATION OF SELECTED MEDIA: 1960 TO 1988

ITEM	Unit	1960	1970	1975	1980	1982	1983	1984	1985	1986	1987	1988
Households with—												
Telephone service ¹	Percent	78.5	87.0	(NA)	93.0	(NA)	(NA)	91.8	91.8	92.2	92.5	92.9
Radio sets ²	Percent	96.3	98.6	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
Average number of sets	Number	3.7	5.1	5.6	5.5	5.5	5.5	5.5	5.5	5.4	5.4	5.8
Television sets ³	Millions	45.8	58.5	68.5	78.3	81.5	83.3	83.8	84.9	85.9	87.4	88.8
Television sets ³	Percent	87	95	97	98	98	98	98	98	98	98	98
Color set households ⁴	Millions	3	20.9	46.9	63.4	71.4	73.9	75.8	77.7	80.1	82.7	85.0
Average viewing per day ⁵	Hours	5.1	5.9	6.1	6.6	6.8	7.0	7.1	7.1	(NA)	7.2	7.1
Average number of sets ⁶	Number	1.13	1.39	1.54	1.88	1.75	1.79	1.78	1.83	1.83	1.88	1.90
Cable TV ⁷	Percent	(NA)	(NA)	(NA)	18.8	29.0	37.2	41.2	44.8	48.8	48.7	51.1
VCR's ⁸	Percent	(NA)	(NA)	(NA)	1.1	3.1	5.5	10.8	20.8	36.0	48.7	56.1
Commercial radio stations. ⁹												
AM	Number	3,539	4,323	4,483	4,589	4,668	4,733	4,754	4,718	4,663	4,602	(NA)
FM	Number	815	2,198	2,767	3,282	3,380	3,527	3,718	3,875	3,944	4,041	(NA)
Television stations. ¹⁰ Total	Number	559	862	953	1,011	1,066	1,106	1,138	1,182	1,236	1,290	1,352
Commercial	Number	515	877	706	734	777	813	841	883	919	968	1,028
Cable television. ¹¹												
Systems	Number	640	2,480	3,506	4,225	4,826	5,600	6,200	6,844	7,600	7,900	8,500
Subscribers served	Millions	65	4.8	9.8	18.5	21.0	25.0	30.0	31.3	37.5	41.0	42.8
Daily newspaper circulation. ¹²												
Number	Millions	58.9	62.1	60.7	62.2	62.5	62.6	63.1	62.8	62.7	62.8	(NA)
Per capita ¹³	Number	.327	.305	.282	.275	.269	.267	.267	.263	.260	.258	(NA)

— Represents zero. NA Not available. ¹ For occupied housing units, 1960 through 1980, as of April 1, thereafter, as of March. Source: U.S. Bureau of the Census, *Census of Housing: 1960, 1970, and 1980*, vol. 1, and unpublished data. ² As of Dec. 31, except as noted. Source: Radio Advertising Bureau, New York, NY, *Radio Facts*, annual (copyright). Number of stations on the air compiled from Federal Communications Commission reports. ³ 1970-1975, as of Sept. of prior year; all other years as of Jan. of year shown. Source: 1960-1965, National Broadcasting Company, New York, NY, thereafter, Nielsen Media Research, Northbrook, IL, *Nielsen Report on Television* (copyright). ⁴ Calendar year data. Source: Nielsen Media Research, Northbrook, IL, *Nielsen Report on Television* (copyright). ⁵ 1970 and 1975, as of Sept.; all other years, as of Jan. Excludes Alaska and Hawaii. Source: Television Bureau of Advertising, Inc., New York, NY, *Trends in Television*, annual. ⁶ As of February. Source: See footnote 4. ⁷ As of February. Excludes Alaska and Hawaii. Source: Nielsen Media Research, Northbrook, IL, *VCR Trends* (copyright). ⁸ As of February 1988. ⁹ As of Jan. 1. Source: Warren Publishing, Inc., Washington, DC, *Television and Cable Factbook*, annual (copyright). Number of television stations on the air. ¹⁰ As of Sept. 30, except 1980, as of Oct. 1. Source: Editor & Publisher, Co., New York, NY, *Editor & Publisher International Year Book*, annual (copyright). ¹¹ Per capita based on total resident population enumerated as of April 1, 1970 and 1980, and estimated as of July 1 for other years.

Source: Compiled from sources mentioned in footnotes.

No. 901. MULTIMEDIA AUDIENCES—SUMMARY: 1987

[In percent, except as indicated. As of spring. For persons 18 years old and over. Based on sample and subject to sampling error; see source for details]

ITEM	Total population (1,000)	Television viewing and coverage	Television prime time viewing and coverage	Cable viewing and coverage	Radio listening and coverage	Newspaper reading and coverage
Total	174,880	91.8	77.1	46.1	88.2	86.7
18-24 years old	27,102	88.0	86.5	45.5	93.9	82.6
25-34 years old	42,405	90.2	75.8	47.5	93.7	86.2
35-44 years old	32,452	90.8	78.3	51.0	91.3	86.2
45-54 years old	22,868	91.9	77.6	45.5	87.3	87.4
55-64 years old	22,584	94.5	82.9	44.8	79.1	88.1
65 years old and over	27,519	94.9	80.8	33.9	86.2	81.7
Male	83,387	90.7	74.9	49.5	87.8	86.7
Female	91,533	92.2	79.0	41.9	84.8	84.9
White	151,131	91.0	78.4	47.6	86.3	87.1
Black	19,289	86.4	81.5	28.3	85.6	78.0
Other	4,500	83.2	80.0	32.8	85.5	67.5
Spanish speaking	8,000	91.9	77.5	37.7	87.6	76.3
College graduate	30,471	91.1	75.9	50.0	90.6	84.4
Attended college	31,585	91.1	74.4	53.1	90.7	81.3
High school graduate	88,438	92.1	78.4	45.3	87.9	87.2
Not high school graduate	44,406	92.5	77.6	36.6	77.5	73.9
Employed: Full-time	98,617	90.0	75.5	49.7	92.1	88.1
Part-time	11,089	90.9	74.0	51.4	90.4	90.2
Not employed	65,184	93.9	80.0	38.4	78.6	81.3
Household income						
Less than \$10,000	18,847	91.1	74.5	27.2	71.3	67.9
\$10,000 to \$19,999	31,056	94.0	79.4	37.1	80.5	78.8
\$20,000 to \$29,999	33,219	91.3	78.8	43.3	88.7	87.9
\$30,000 to \$39,999	18,185	90.2	76.3	49.4	88.1	88.2
\$40,000 to \$49,999	14,881	91.8	78.9	51.5	88.6	88.1
\$50,000 to \$59,999	24,298	91.7	78.0	49.5	88.0	81.0
\$60,000 or more	26,803	80.1	75.8	54.7	88.1	82.7

Source: Mediabank Research Inc., New York, NY, *Multimedia Audiences*, Spring 1988. (Copyright.)

No. 902. COMMUNICATIONS EQUIPMENT—FACTORY SHIPMENTS: 1981 TO 1986

(In millions of dollars, except percent change. Minus sign (—) indicates decrease. N.e.c. = Not elsewhere classified)

ITEM	1981	1982	1983	1984	1985	1986	PERCENT CHANGE				
							1981-82	1982-83	1983-84	1984-85	1985-86
Shipments, total	23,796	27,702	30,876	34,298	41,032	43,030	16.4	10.7	16.0	16.3	4.8
Search, detection, navigation and guidance systems and equip. ¹	15,040	17,733	19,982	22,823	27,057	29,260	17.9	12.7	14.2	18.8	8.1
Radar systems and equipment	1,900	2,442	3,344	3,699	4,321	4,270	26.5	36.9	10.6	16.6	-1.2
Missiles-borne and space-vehicle-borne equipment	1,583	1,867	1,856	2,205	2,732	3,163	17.9	-8	18.8	23.9	15.8
Navigation systems and equip. ²	2,576	2,689	2,712	2,744	2,971	3,363	4.3	9	1.2	8.3	14.2
Counter measures equipment	1,004	1,264	1,596	2,037	2,662	3,297	27.9	24.3	27.6	31.7	22.9
Tracking radar	1,702	1,779	2,068	1,821	2,206	2,406	4.5	17.4	12.8	21.3	9.1
Search, detection, identification, and tracking system n.e.c.	693	1,046	1,189	1,510	1,961	1,918	17.4	13.5	27.0	29.9	-2.2
Sonar search, detection and tracking systems and equipment	978	1,166	1,374	1,620	1,885	1,949	16.2	16.9	17.9	16.4	3.4
Specialized electronic and comm. intelligence equipment	1,051	1,346	1,349	1,370	1,610	1,855	26.1	.2	1.6	32.1	2.5
Commercial, industrial, and military communications equipment ³	5,722	6,854	7,894	9,256	10,671	10,566	19.8	12.3	20.3	15.3	1.0
Space satellite communications systems	1,095	1,614	1,780	2,277	2,261	1,946	47.4	9.0	29.4	.2	-14.7
Receivers, radio communications	1,086	1,290	1,391	1,676	1,953	2,264	18.8	7.6	20.6	16.4	15.9
Intercommunications systems ⁴	1,586	1,572	1,537	1,732	1,743	1,665	.8	-2.2	12.7	.6	-4.5
Broadcast studio and related electronic equipment ⁴	1,447	1,544	1,464	1,476	1,562	1,537	6.7	-5.2	.8	5.9	-1.6

¹ Includes shipments not shown separately. ² For aircraft, ship, and ground navigation. Represents autopilots, beacons, collision warning devices, direction finders equipment, etc. ³ Includes alarm systems and traffic control shipment. ⁴ Includes video, cable TV, and audio equipment.

Source: Electronic Industries Association, Washington, DC, *Electronic Market Data Book*, annual.

No. 903. TELEPHONE AND TELEGRAPH SYSTEMS: 1970 TO 1986

(Covers principal carriers filing annual reports with Federal Communications Commission. Minus sign (—) indicates loss. See *Historical Statistics, Colonial Times to 1970*, series R 46-70 and R 75-88, for data on telegraph systems)

ITEM	Unit	1970	1975	1976	1980	1981	1982	1983	1984	1985	1986
Domestic telephone: ¹											
Carriers ²	Number	56	62	61	59	60	61	62	61	59	39
Telephones ³	Million	106	130	153	157	158	151	(NA)	(NA)	(NA)	(NA)
Access lines	Million	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	100	103	106
Miles of wire	Million	828	872	1,061	1,131	1,166	1,223	1,260	1,290	1,313	1,338
Gross book cost of plant	Bl. dol	59.9	96.5	134.9	147.4	161.5	174.0	184.2	183.0	195.1	207.4
Depreciation reserves ⁴	Bl. dol	13.2	18.8	24.9	26.5	30.0	34.0	39.7	42.9	50.0	58.7
Ratio to book cost	Percent	22.1	19.7	18.5	18.0	18.6	19.6	21.5	23.5	25.6	28.3
Capital stock and premium	Bl. dol	16.4	21.6	26.6	31.3	34.5	36.8	43.4	46.9	46.1	41.5
Operating revenues	Bl. dol	18.2	31.3	49.8	55.6	63.7	70.7	75.0	96.9	104.8	106.4
Operating expenses ⁵	Bl. dol	11.7	20.2	33.0	37.3	42.6	48.1	50.9	74.7	78.6	79.0
Net operating income ⁶	Bl. dol	3.1	5.6	8.9	10.0	11.4	11.4	12.4	12.4	13.4	13.9
Net income	Bl. dol	2.3	3.6	6.0	8.6	7.5	7.3	7.6	8.5	9.5	10.4
Employees	1,000	639	840	926	938	945	909	858	742	(NA)	(NA)
Compensation of employees	Bl. dol	7.0	11.7	16.4	20.2	22.2	24.8	25.1	22.7	(NA)	(NA)
Overseas telephone:											
Number of overseas calls	Million	23.4	62.2	168.3	199.6	265.5	310.8	369.5	427.6	411.7	477.6
Revenue from overseas calls	Mil. dol	252	662	1,106	1,535	1,654	1,461	1,697	1,772	1,799	1,841
Ocean cable systems	Number	17	21	22	24	24	24	26	26	26	26
Communications satellites ⁷	Number	4	5	5	5	5	6	6	6	6	6
Domestic telegraph:											
Carriers	Number	1	1	1	1	1	1	1	1	1	1
Revenue messages transmitted	Million	70	42	55	55	56	50	42	39	36	23
Message revenues ⁸	Mil. dol	234	197	271	296	320	320	316	321	304	273
Total operating revenues	Mil. dol	402	505	636	667	779	809	722	738	715	573
Operating revenue deductions	Mil. dol	366	436	561	603	669	726	654	712	654	601
Operating income ⁹	Mil. dol	34	70	75	94	110	84	68	26	61	-28
Teletypewriter messages	Million	46	54	59	66	63	(NA)	(NA)	(NA)	(NA)	(NA)
Overseas telegraph: ¹⁰											
Carriers	Number	6	6	7	7	7	7	6	6	6	6
Revenue messages transmitted	Million	32	26	21	20	16	15	11	9	7	6
Message revenues ⁸	Mil. dol	124	217	355	360	405	411	396	411	404	402
Total operating revenues	Mil. dol	194	316	497	535	576	613	616	644	652	633
Operating revenue deductions	Mil. dol	156	245	362	405	466	532	560	611	638	642
Operating income ⁹	Mil. dol	26	46	85	79	70	58	47	22	41	9
Return on investment: ¹¹											
Telephone	Percent	7.1	7.6	6.5	6.7	9.0	6.4	6.7	9.2	9.4	9.4
Domestic telegraph	Percent	5.0	6.1	5.5	6.6	7.4	5.2	3.9	1.5	3.5	2.1
Overseas telegraph	Percent	10.6	12.0	17.9	15.9	12.5	9.1	6.8	3.3	6.7	1.5

NA Not available. ¹ Includes Puerto Rico and Virgin Islands. Excludes intercompany duplications. Gross operating revenues of carriers reporting since 1970 estimated at 90 percent of all carriers. ² Beginning 1985, number of carriers changed due to change in dollar requirement of reporting carriers from \$1,000,000 to \$100,000,000. ³ Includes company, service, and private. ⁴ Includes amortization reserves. ⁵ Excludes taxes. ⁶ After tax deductions. ⁷ Excludes contingency and retired satellites. ⁸ Includes telex service; for domestic telegraph, excludes TWX. ⁹ After Federal income taxes. ¹⁰ Excludes South American and most Caribbean operations of All America Cables and Radio, Inc. ¹¹ Ratio of net operating income (after taxes) to average net book cost of communications plant.

Source: U.S. Federal Communications Commission, *Statistics of Communications Common Carriers, growth, and unpublished data*.

NO. 900. UTILIZATION OF SELECTED MEDIA: 1960 TO 1988

ITEM	Unit	1960	1970	1975	1980	1982	1983	1984	1985	1986	1987	1988
Households with—												
Telephone service ¹	Percent	78.5	87.0	(NA)	93.0	(NA)	(NA)	91.8	91.8	92.2	92.5	92.9
Radio sets ²	Percent	95.3	98.6	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
Average number of sets	Number	3.7	5.1	5.6	5.5	5.5	5.5	5.5	5.5	5.4	5.4	5.6
Television sets ³	Millions	45.8	58.5	68.5	76.3	81.5	83.3	83.8	84.9	85.9	87.4	88.6
Television sets ³	Percent	87	95	97	98	98	98	98	98	98	98	98
Color set households ⁴	Millions	3	20.9	48.9	63.4	71.4	73.9	75.6	77.7	80.1	82.7	85.0
Average viewing per day ⁵	Hours	5.1	5.9	6.1	6.6	6.8	7.0	7.1	7.1	(NA)	7.2	7.1
Average number of sets ⁶	Number	1.13	1.39	1.54	1.88	1.75	1.79	1.78	1.83	1.83	1.86	1.90
Cable TV ⁷	Percent	(NA)	(NA)	(NA)	19.8	29.0	37.2	41.2	44.6	46.8	48.7	51.1
VCR's ⁸	Percent	(NA)	(NA)	(NA)	1.1	3.1	5.5	10.6	20.8	35.0	48.7	56.1
Commercial radio stations: ⁹												
AM	Number	3,539	4,323	4,463	4,589	4,668	4,733	4,754	4,718	4,863	4,902	(NA)
FM	Number	815	2,196	2,787	3,282	3,380	3,527	3,716	3,875	3,944	4,041	(NA)
Television stations: ¹⁰ Total	Number	559	882	953	1,011	1,066	1,106	1,136	1,162	1,235	1,290	1,362
Commercial	Number	515	877	938	974	1,027	1,063	1,093	1,119	1,192	1,247	1,319
Cable television: ¹¹												
Systems	Number	640	2,490	3,508	4,225	4,825	5,600	6,200	6,844	7,600	7,900	8,500
Subscribers served	Millions	.85	4.5	9.8	15.5	21.0	25.0	30.0	31.3	37.5	41.0	42.8
Daily newspaper circulation: ¹²												
Number	Millions	58.9	62.1	60.7	62.2	62.5	62.6	63.1	62.8	62.7	62.8	(NA)
Per capita ¹³	Number	.327	.305	.282	.275	.266	.267	.267	.263	.260	.258	(NA)

- Represents zero. NA: Not available. ¹ For occupied housing units, 1960 through 1980, as of April 1, thereafter, as of March. Source: U.S. Bureau of the Census, *Census of Housing: 1960, 1970, and 1980*, vol. 1, and unpublished data. ² As of Dec. 31, except as noted. Source: Radio Advertising Bureau, New York, NY, *Radio Facts*, annual (copyright). Number of stations on the air compiled from Federal Communications Commission reports. ³ 1970-1975, as of Sept. of prior year; all other years as of Jan. of year shown. Source: 1960-1965, National Broadcasting Company, New York, NY, thereafter, Nielsen Media Research, Northbrook, IL, *Nielsen Report on Television* (copyright). ⁴ Calendar year data. Source: Nielsen Media Research, Northbrook, IL, *Nielsen Report on Television* (copyright). ⁵ 1970 and 1975, as of Sept. of prior year; all other years, as of Jan. Excludes Alaska and Hawaii. Source: Television Bureau of Advertising, Inc., New York, NY, *Trends in Television*, annual. ⁶ As of February. Source: See footnote 4. ⁷ As of February. Excludes Alaska and Hawaii. Source: Nielsen Media Research, Northbrook, IL, *VCR Trends* (copyright). ⁸ As of February 1985. ⁹ As of Jan. 1. Source: Warren Publishing, Inc., Washington, DC, *Television and Cable Factbook*, annual (copyright). Number of television stations on the air. ¹⁰ As of Sept. 30, except 1960, as of Oct. 1. Source: Editor & Publisher, Co., New York, NY, *Editor & Publisher International Year Book*, annual (copyright). ¹¹ Per capita based on total resident population enumerated as of April 1, 1970 and 1980, and estimated as of July 1 for other years.

Source: Compiled from sources mentioned in footnotes.

NO. 901. MULTIMEDIA AUDIENCES—SUMMARY: 1987

(In percent, except as indicated. As of spring. For persons 18 years old and over. Based on sample and subject to sampling error; see source for details.)

ITEM	Total population (1,000)	Television viewing and coverage	Television prime time viewing and coverage	Cable viewing and coverage	Radio listening and coverage	Newspaper reading and coverage
Total	174,880	81.5	77.1	46.1	86.2	84.7
18-24 years old	27,102	89.0	86.5	45.5	93.9	82.8
25-34 years old	42,405	90.2	75.8	47.5	93.7	86.2
35-44 years old	32,452	90.8	78.3	51.0	91.3	86.2
45-54 years old	22,856	91.9	77.6	45.5	87.3	87.4
55-64 years old	22,584	94.5	82.9	44.8	79.1	88.1
65 years old and over	27,519	94.9	80.6	33.9	66.2	81.7
Male	83,367	80.7	74.9	46.5	87.8	86.7
Female	91,513	82.2	79.0	41.9	84.8	84.8
White	151,131	81.0	76.4	47.6	86.3	87.1
Black	19,289	86.4	81.5	28.3	85.6	79.0
Other	4,500	83.2	80.0	32.8	85.5	87.5
Spanish speaking	8,000	91.9	77.5	37.7	87.6	78.3
College graduate	30,471	90.1	75.9	50.0	90.6	94.4
Attended college	31,585	90.1	74.4	53.1	90.7	91.3
High school graduate	66,436	92.1	78.4	45.3	87.9	87.2
Not high school graduate	44,406	82.5	77.6	35.6	77.5	79.9
Employed: Full-time	96,617	90.0	75.5	48.7	92.1	88.1
Part-time	11,089	90.9	74.0	51.4	90.4	90.2
Not employed	65,184	83.9	80.0	38.4	76.6	61.3
Household income:						
Less than \$10,000	18,647	91.1	74.5	27.2	71.3	67.9
\$10,000 to \$19,999	31,056	94.0	79.4	37.1	80.5	78.9
\$20,000 to \$29,999	33,219	91.3	78.8	43.3	86.7	87.8
\$30,000 to \$39,999	16,185	90.2	78.3	48.4	88.1	86.2
\$40,000 to \$49,999	14,891	91.6	78.9	51.5	88.6	89.1
\$50,000 to \$59,999	24,299	91.7	78.0	48.8	90.0	91.0
\$60,000 or more	26,803	90.1	75.6	64.7	83.1	82.7

Source: Mediastat Research Inc., New York, NY, *Multimedia Audiences*, Spring 1988. (Copyright.)

No. 907. PUBLIC TELEVISION STATIONS: 1968 TO 1984

[Based on a "typical" broadcast week through 1972; calendar year data for 1974 and 1976; fiscal year data thereafter. General programming is directed at the general community. Instructional programming is directed at students in the classroom or otherwise in the general context of formal education]

ITEM	1968	1970	1972	1974	1976	1978	1980	1982	1984
Stations broadcasting.....	¹ 153	¹ 190	220	² 238	² 253	272	281	291	303
Total weekly broadcast hours.....	¹ 8,534	¹ 12,217	15,887	18,321	22,086	26,064	27,643	30,337	32,293
General programs.....	4,671	7,697	7,904	10,886	14,329	17,929	19,508	21,416	23,154
Percent of total hours.....	54.7	63.0	50.7	59.3	64.8	68.8	69.6	70.6	71.7
Instructional programs ⁴	3,863	4,520	7,983	7,453	7,766	8,135	8,135	8,919	9,139
Average weekly broadcast hours per station.....	58.1	65.3	70.9	83.7	90.6	95.8	95.8	104.3	106.5
General programming.....	30.7	41.1	36.0	47.9	59.0	65.9	69.4	73.6	76.4
Instructional programming ⁴	25.4	24.2	34.9	32.8	31.9	29.9	30.4	30.7	30.2

¹ 152 stations reported in 1968 and 187 in 1970; details include data for reporting stations only. ² Includes data for 227 stations only, representing 147 primary broadcasters; does not include secondary broadcasters. ³ Includes data for 243 stations only, representing 151 primary broadcasters. ⁴ Beginning 1974, includes material from Children's Television Workshops.

Source: Through 1970, National Instructional Television Center, Bloomington, IN, *One Week of Educational Television, 1970* (copyright); 1972, Corporation for Public Broadcasting, *One Week of Public TV*, April 1972, and unpublished data; 1974-1984, Corporation for Public Broadcasting, *PTV Programming Content by Category Report Series*, and unpublished data.

No. 900. PUBLIC BROADCASTING SYSTEMS—INCOME BY SOURCE: 1980 TO 1987

[In millions of dollars, except as indicated. Stations as of Dec. 31; fiscal year data for income. Includes nonbroadcast income]

NUMBER OF STATIONS AND INCOME SOURCE	1980	1982	1983	1984	1985	1986	1987, prel.	PERCENT DISTRIBUTION			
								1980	1985	1986	1987, prel.
Number of CPB-qualified public radio stations.....	217	255	286	275	288	295	299	(x)	(x)	(x)	(x)
Public television stations.....	290	299	300	304	317	322	323	(x)	(x)	(x)	(x)
Total income.....	704.9	846.2	899.2	974.2	1,096.3	1,134.0	1,294.0	100.0	100.0	100.0	100.0
Federal government.....	192.5	197.6	163.7	167.0	179.2	185.7	243.1	27.3	16.3	16.4	18.8
State and local government ¹	271.6	301.0	318.3	334.5	358.4	378.8	368.9	38.5	32.7	33.4	30.1
Subscribers and auction/marathon.....	102.3	162.5	196.4	215.2	247.7	269.5	297.2	14.5	22.6	23.7	23.0
Business and industry.....	72.4	100.5	119.8	144.7	170.8	170.8	195.6	10.3	15.6	15.1	15.1
Foundation.....	23.5	22.1	24.9	27.8	43.0	38.3	48.0	3.3	3.9	3.4	3.7
Other.....	42.6	61.5	76.0	85.0	97.2	91.9	121.2	6.0	8.9	8.1	9.4

X Not applicable. ¹ Includes income received from State colleges and universities, and, beginning 1980 from other tax supported colleges and universities.

Source: Corporation for Public Broadcasting (CPB), Washington, DC, *Public Broadcasting Income, Fiscal Year, 1987*, and unpublished data.

No. 909. CABLE TELEVISION—SYSTEMS AND SUBSCRIBERS: 1952 TO 1988

[Subscribers in thousands, except percent. Estimated]

YEAR (As of Jan. 1)	Sys- tems	Sub- scribers	YEAR (As of Jan. 1)	Sys- tems	Sub- scribers	SUBSCRIBER SIZE-GROUP	Number of— ¹		Percent of— ¹	
							Sys- tems	Sub- scribers	Sys- tems	Sub- scribers
1952.....	70	14	1977.....	3,832	11,900	1988, total ²	7,781	41,491	100.00	100.00
1955.....	400	150	1978.....	3,875	13,000	50,000 and over.....	149	13,388	1.93	32.27
1960.....	640	650	1979.....	4,150	14,100	20,000-49,999.....	368	10,939	4.63	26.37
1965.....	1,325	1,275	1980.....	4,225	16,000	10,000-19,999.....	486	6,631	6.29	15.99
1969.....	2,260	3,600	1981.....	4,375	18,300	5,000-9,999.....	610	4,250	7.89	10.24
1970.....	2,490	4,500	1982.....	4,625	21,000	3,500-4,999.....	400	1,670	5.17	4.02
1971.....	2,639	5,300	1983.....	5,600	25,000	1,000-3,499.....	1,617	3,108	20.92	7.50
1972.....	2,841	6,000	1984.....	6,200	30,000	500-999.....	1,189	832	15.12	2.00
1973.....	2,991	7,300	1985.....	6,600	32,000	250-499.....	1,183	428	15.30	1.02
1974.....	3,156	8,700	1986.....	7,600	37,500	Less than 250.....	1,759	249	22.75	.59
1975.....	3,506	9,800	1987.....	7,900	41,100					
1976.....	3,881	10,800	1988.....	8,500	42,750					

¹ As of April 1, 1986. ² Excludes 682 systems not available by subscriber size-group.

Source: Warren Publishing, Inc., Washington, DC, *Television & Cable Factbook*, annual. (Copyright.)

NO. 904. TELEPHONE COMPANIES—SUMMARY: 1970 TO 1987

(As of Dec. 31 or calendar year, as applicable. See also *Historical Statistics, Colonial Times to 1970*, series R 31-45)

ITEM	Unit	INDEPENDENT COMPANIES ¹						TOTAL ²			
		1970	1980	1984	1986	1988	1987	1984	1985	1986	1987
All companies	Number	1,841	1,483	1,418	1,402	1,380	1,380	1,440	1,426	1,404	1,384
Telephones	Millions	20.3	34.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Access lines	Millions	(NA)	20.8	23.0	24.3	25.2	25.0	114.5	118.3	122.2	126.7
Total telephone plant	Mil. dol.	12,380	35,300	45,850	49,088	50,882	52,880	193,779	207,289	218,701	230,816
Operating revenues	Mil. dol.	2,953	10,475	16,000	17,245	18,488	19,920	73,868	78,425	82,386	84,900
Average daily conversations, total	Millions	109	192	210	223	243	301	1,199	1,264	1,327	1,662
Local calls	Millions	104	177	190	203	210	251	1,111	1,162	1,206	1,500
Toll calls	Millions	5	15	20	20	33	50	88	102	121	162
Reporting companies ³	Number	884	785	631	653	630	604	685	677	654	628
Telephones	Millions	19.2	33.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Access lines	Millions	(NA)	19.4	22.1	23.4	24.2	24.7	113.6	117.4	121.2	124.9
Telephone plant in service	Mil. dol.	11,175	32,491	42,093	45,501	47,732	48,335	186,151	199,978	212,366	222,260
Depreciation reserves	Mil. dol.	2,203	7,820	12,864	14,310	15,515	15,845	45,748	52,872	61,053	69,816
Operating revenues	Mil. dol.	2,781	10,177	15,403	16,884	17,555	17,268	73,270	77,884	81,452	82,246
Operating expenses ⁴	Mil. dol.	1,953	7,279	12,305	13,323	12,548	12,532	59,788	63,679	59,292	61,431
Net income	Mil. dol.	356	1,268	2,199	2,434	2,617	2,683	9,313	10,083	10,984	11,192
Common stock and surplus	Mil. dol.	3,733	9,623	12,781	13,940	14,033	15,083	63,147	66,510	66,603	69,413
Net income to common stock and surplus	Percent	9.5	13.2	17.2	17.5	18.7	18.0	14.7	15.1	16.5	16.1
Employees	1,000	142	189	168	170	185	152	724	695	672	653
Wages and salaries	Mil. dol.	1,001	3,373	4,429	4,556	4,738	4,843	22,112	21,443	22,127	22,125

NA: Not available. ¹ Companies independent of the Bell System, prior to divestiture of January 1984. ² All telephone companies. ³ Comprises only companies submitting operating information to source cited below. ⁴ Excludes Federal income tax.

Source: United States Telephone Association, Washington, DC, *Statistics of the Telephone Industry*, annual. (Copyright)

NO. 905. REA AND RURAL TELEPHONE BANK PROGRAM—SUMMARY: 1970 TO 1987

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Loans and guarantees approved, Dec 31 ¹											
Borrowers	Number	882	921	890	1,010	1,029	1,037	1,035	1,034	1,037	1,037
REA amount	Mil. dol.	1,816	2,576	3,845	4,076	4,327	4,540	4,742	4,937	5,119	5,342
Guaranteed amount	Mil. dol.		237	418	553	626	672	701	679	679	673
Rural Telephone Bank amount	Mil. dol.		618	1,388	1,529	1,726	1,872	2,000	2,131	2,249	2,403
Route miles of line ² Dec 31	1,000	547	653	798	805	831	847	868	872	869	877
Subscribers, Dec 31	1,000	2,335	3,045	4,262	4,375	4,546	4,629	4,747	4,792	4,833	5,005
Telephones in service	1,000	2,989	4,355	6,770	8,953	7,147	(NA)	(NA)	(NA)	(NA)	(NA)
Total operating revenues	Mil. dol.	363	753	1,758	2,042	2,389	2,643	2,910	3,106	3,181	3,339
Total telephone plant	Mil. dol.	2,086	3,850	7,388	8,034	8,897	9,532	10,195	10,671	10,917	11,621
Employees	1,000	15.4	20.0	28.4	28.7	28.8	28.9	28.7	28.3	27.8	28.0

- Represents zero. NA: Not available. ¹ Cumulative net loans (cancellations deducted). ² Line in service

Source: U.S. Rural Electrification Administration, *Statistical Report—Rural Telephone Borrowers*, annual

NO. 906. PRIVATE RADIO STATIONS AUTHORIZED, BY CLASS: 1980 TO 1987

(In thousands. As of Sept. 30. Includes Puerto Rico and Virgin Islands. See also *Historical Statistics, Colonial Times to 1970*, series R 140-148)

CLASS	1980	1985	1986	1987	CLASS	1980	1986	1986	1987
Private radio services ¹	16,357.3	2,419.6	2,673.7	2,667.1	Land transportation	28.0	37.7	39.6	40.0
Personal	14,580.2	(X)	459.4	470.4	Railroad	10.0	13.8	14.9	15.1
Citizens Band	14,306.4	(X)	-	-	Taxicab	4.8	6.1	6.2	6.0
General mobile	20.2	33.6	35.7	37.8	Interurban property	3.1	4.4	4.9	5.3
Radio control	231.7	(X)	-	-	Other	9.9	13.4	13.6	13.6
Amateur and disaster	369.9	415.4	423.7	432.6	Marine	398.3	525.3	561.2	573.7
Aircraft	231.6	245.7	244.3	247.7	Ship	386.6	510.4	545.3	558.6
Aeronautical and fixed	196.8	207.3	205.4	206.2	Alaskan	2.6	2.7	2.6	2.6
Civil air patrol	9.5	10.9	11.1	11.2	Coastal and other	9.1	12.2	13.1	12.5
Other	21.6	23.0	23.3	23.6	Public safety	137.1	194.5	207.1	212.6
Industrial	504.9	811.3	864.4	871.1	Police	42.3	42.3	45.0	46.1
Power	23.1	34.4	37.7	40.5	Fire	20.6	36.6	38.7	39.9
Business	370.4	583.5	635.8	640.5	Forestry				
Petroleum	17.9	25.2	26.8	26.8	conservation	7.6	9.6	10.2	10.3
Forest products	6.4	9.6	10.6	10.9	Highway				
Special industrial	72.1	115.0	119.2	117.5	maintenance	9.7	12.7	13.4	13.8
Other	14.7	33.4	34.7	35.1	Special emergency	22.4	37.4	39.4	39.6
					Other	34.2	55.9	60.4	62.9
					Operational fixed services ²	18.0	23.1	25.5	27.9

- Represents zero. X: Not applicable. ¹ Includes items not shown separately. Each license, construction permit, or combination construction permit and license is counted as one station; therefore, a station might include a transmitter and many mobile units. ² Includes microwave operations.

Source: U.S. Federal Communications Commission, *Annual Report*, and unpublished data

No. 907. PUBLIC TELEVISION STATIONS: 1968 TO 1984

[Based on a "typical" broadcast week through 1972; calendar year data for 1974 and 1976; fiscal year data thereafter. General programing is directed at the general community. Instructional programing is directed at students in the classroom or otherwise in the general context of formal education]

ITEM	1968	1970	1972	1974	1976	1978	1980	1982	1984
Stations broadcasting.....	¹ 153	¹ 190	220	² 238	² 253	272	281	291	303
Total weekly broadcast hours.....	¹ 8,534	¹ 12,217	15,887	18,321	22,088	26,064	27,843	30,337	32,293
General programs.....	4,671	7,697	7,904	10,868	14,329	17,929	19,508	21,418	23,154
Percent of total hours.....	54.7	63.0	50.7	59.3	64.8	68.8	69.6	70.6	71.7
Instructional programs ⁴	3,863	4,520	7,683	7,453	7,766	8,135	8,135	8,919	9,139
Average weekly broadcast hours per station.....	55.1	65.3	70.9	80.7	80.9	95.8	95.8	104.3	106.6
General programing.....	30.7	41.1	36.0	47.9	59.0	65.9	69.4	73.6	76.4
Instructional programing ⁴	25.4	24.2	34.9	32.8	31.9	29.9	30.4	30.7	30.2

¹ 152 stations reported in 1968 and 187 in 1970; details include data for reporting stations only. ² Includes data for 227 stations only, representing 147 primary broadcasters; does not include secondary broadcasters. ³ Includes data for 243 stations only, representing 151 primary broadcasters. ⁴ Beginning 1974, includes material from Children's Television Workshops.

Source: Through 1970, National Instructional Television Center, Bloomington, IN, *One Week of Educational Television, 1970* (copyright); 1972, Corporation for Public Broadcasting, *One Week of Public TV*, April 1972, and unpublished data; 1974-1984, Corporation for Public Broadcasting, *PTV Programming Content by Category Report Series*, and unpublished data.

No. 908. PUBLIC BROADCASTING SYSTEMS—INCOME BY SOURCE: 1980 TO 1987

[In millions of dollars, except as indicated. Stations as of Dec. 31; fiscal year data for income. Includes nonbroadcast income]

NUMBER OF STATIONS AND INCOME SOURCE	1980	1982	1983	1984	1986	1988	1987, prel.	PERCENT DISTRIBUTION			
								1980	1982	1986	1987, prel.
Number of CPB-qualified public radio stations.....	217	255	266	275	288	295	299	(x)	(x)	(x)	(x)
Public television stations.....	290	299	300	304	317	322	323	(x)	(x)	(x)	(x)
Total income.....	704.9	845.2	899.2	974.2	1,096.3	1,134.0	1,294.0	100.0	100.0	100.0	100.0
Federal government.....	192.5	197.6	163.7	167.0	179.2	185.7	243.1	27.3	16.3	16.4	18.8
State and local government ¹	271.6	301.0	318.3	334.5	358.4	378.8	388.9	36.5	32.7	33.4	30.1
Subscribers and auction/marathon.....	102.3	162.5	196.4	215.2	247.7	266.5	297.2	14.5	22.6	23.7	23.0
Business and industry.....	72.4	100.5	119.8	144.7	170.8	170.6	195.6	10.3	15.6	15.1	15.1
Foundation.....	23.5	22.1	24.9	27.8	43.0	36.3	48.0	3.3	3.9	3.4	3.7
Other.....	42.6	61.5	76.0	85.0	97.2	91.9	121.2	6.0	8.9	8.1	9.4

X Not applicable. ¹ Includes income received from State colleges and universities, and, beginning 1980 from other tax supported colleges and universities.

Source: Corporation for Public Broadcasting (CPB), Washington, DC, *Public Broadcasting Income, Fiscal Year, 1987*, and unpublished data.

No. 909. CABLE TELEVISION—SYSTEMS AND SUBSCRIBERS: 1952 TO 1988

[Subscribers in thousands, except percent. Estimated]

YEAR (As of Jan. 1)	Sys-tems	Sub-scribers	YEAR (As of Jan. 1)	Sys-tems	Sub-scribers	SUBSCRIBER SIZE-GROUP	Number of— ¹		Percent of— ¹	
							Sys-tems	Sub-scribers	Sys-tems	Sub-scribers
1952.....	70	14	1977.....	3,832	11,900	1988, total ²	7,731	41,491	100.00	100.00
1955.....	400	150	1978.....	3,875	13,000	50,000 and over.....	149	13,388	1.93	32.27
1960.....	640	650	1979.....	4,150	14,100	20,000-49,999.....	358	10,839	4.63	26.37
1965.....	1,325	1,275	1980.....	4,225	16,000	10,000-19,999.....	486	6,631	6.29	15.99
1969.....	2,260	3,600	1981.....	4,375	18,300	5,000-9,999.....	610	4,250	7.89	10.24
1970.....	2,490	4,500	1982.....	4,825	21,000	3,500-4,999.....	400	1,670	5.17	4.02
1971.....	2,639	5,300	1983.....	5,600	25,000	1,000-3,499.....	1,617	3,108	20.92	7.50
1972.....	2,841	6,000	1984.....	6,200	30,000	500-999.....	1,169	832	15.12	2.00
1973.....	2,991	7,300	1985.....	6,600	32,000	250-499.....	1,163	426	15.30	1.02
1974.....	3,158	8,700	1986.....	7,600	37,500	Less than 250.....	1,759	248	22.75	.59
1975.....	3,506	9,600	1987.....	7,600	41,100					
1976.....	3,691	10,800	1988.....	8,500	42,750					

¹ As of April 1, 1988. ² Excludes 682 systems not available by subscriber size-group.

Source: Warren Publishing, Inc., Washington, DC, *Television & Cable Factbook*, annual. (Copyright.)

NO. 910. CABLE AND PAY TV—SUMMARY, 1955 TO 1986, AND PROJECTIONS, 1990 AND 1995

[Cable TV for calendar year. Pay TV as of Dec. 31 of year shown]

YEAR	CABLE TV				PAY TV					
	Avg. basic subscribers (1,000)	Avg. monthly basic rate (dol.)	Revenue ¹ (mil. dol.)		Units ² (1,000)		Monthly rate (dol.)		Pay cable units per 1,000	
			Total	Basic	Total pay ³	Pay cable	Total pay ³	Pay-cable	Home passed	Basic cable subscribers
1955	250	5.00	20	20	(x)	(x)	(x)	(x)	(x)	(x)
1960	750	5.00	50	50	(x)	(x)	(x)	(x)	(x)	(x)
1965	1,500	5.00	95	95	(x)	(x)	(x)	(x)	(x)	(x)
1970	5,100	5.50	345	345	(x)	(x)	(x)	(x)	(x)	(x)
1975	9,800	6.50	604	774	466	466	(x)	7.85	111	236
1976	11,000	6.75	972	901	1,021	978	(NA)	7.87	106	223
1977	12,200	7.00	1,163	1,034	1,733	1,642	8.12	7.92	122	253
1978	13,400	7.25	1,424	1,176	3,580	3,269	8.62	8.09	178	350
1979	15,000	7.50	1,814	1,382	6,409	5,732	9.37	8.44	223	413
1980	17,500	7.85	2,436	1,847	10,369	9,144	9.78	8.80	279	508
1981	21,500	8.14	3,460	2,691	17,521	15,450	10.13	9.02	376	688
1982	25,400	8.46	4,706	2,584	23,179	20,791	10.36	9.57	462	840
1983	29,450	8.76	6,180	3,096	26,115	23,418	10.25	9.64	473	843
1984	32,860	9.20	7,422	3,627	31,027	29,986	10.32	10.09	495	875
1985	35,430	10.24	8,696	4,353	31,056	30,586	10.63	10.42	473	835
1986	38,740	11.09	9,714	5,156	31,724	31,300	10.40	10.31	462	808
1990, proj.	50,210	16.94	16,299	10,204	(NA)	40,100	(NA)	9.50	485	797
1995, proj.	59,410	24.88	23,434	17,742	(NA)	49,100	(NA)	8.72	555	826

NA Not available. X Not applicable. ¹ Includes installation revenue. ² Individual program services sold to subscribers. ³ Includes multipoint distribution service (MDS) and satellite TV (STV).

Source: Paul Kagan Associates, Inc., Carmel, CA, *The Cable TV Financial Databook*, annual. (Copyright.)

NO. 911. RADIO AND TELEVISION STATIONS OWNED BY NEWSPAPERS AND/OR MAGAZINES: 1961 TO 1987

DATE	AM radio	FM radio	TV	DATE	AM radio	FM radio	TV	DATE	AM radio	FM radio	TV
1961, Sept. 1	412	147	181	1973, Dec. 1	304	211	179	1980, Dec. 1	315	264	230
1965, Oct. 31	391	170	174	1974, Dec. 1	321	236	193	1981, Dec. 1	311	277	246
1966, Dec. 4	381	191	183	1976, Dec. 1	320	238	197	1982, Dec. 1	300	263	251
1969, Dec. 1	394	245	189	1976, Dec. 1	322	238	209	1983, Dec. 1	288	257	249
1971, Feb. 1	402	246	191	1977, Dec. 1	314	238	211	1984, Dec. 1	266	256	255
1971, Dec. 1	318	209	176	1978, Dec. 1	319	252	221	1985, Dec. 1	264	255	253
1972, Dec. 1	325	171	178	1979, Dec. 1	318	257	226	1986, Dec. 1	232	226	271
								1987, Dec. 1	195	189	280

Source: Broadcasting Publications Inc., Washington, DC, *Broadcasting Cablecasting Yearbook*. (Copyright.)

NO. 912. PUBLISHING INDUSTRY—SUMMARY: 1977 TO 1986

[In millions of dollars, except as noted. Number in parentheses represents Standard Industrial Classification code; see text, section 13. Based on the censuses of manufactures and the Annual Survey of Manufactures; for details, see source and Appendix III]

ITEM	NEWSPAPERS (271)				PERIODICALS (272)				BOOKS (273)			
	1977	1982	1986	1986	1977	1982	1986	1986	1977	1982	1986	1986
Establishments	8,667	6,846	(NA)	(NA)	2,994	3,325	(NA)	(NA)	1,744	2,130	(NA)	(NA)
With 20 or more employees	2,147	2,556	(NA)	(NA)	525	690	(NA)	(NA)	346	420	(NA)	(NA)
Employees ¹ (1,000)	350	402	411	420	70	94	96	96	80	67	71	72
Payroll	4,306	6,556	7,805	8,381	1,020	1,908	2,555	2,711	830	1,327	1,572	1,776
Value of receipts	13,056	21,278	27,015	29,206	6,057	11,478	15,248	15,719	4,794	7,740	10,196	10,732
Cost of materials	3,539	6,006	6,595	7,024	2,299	4,596	5,580	5,580	1,844	2,420	3,021	3,100
Value added ²	9,519	15,275	20,420	22,189	3,758	6,911	9,678	10,139	3,282	5,292	7,399	7,756
New capital exp.	478	1,029	1,430	1,296	79	195	340	274	60	174	232	203
Fixed assets, gross value	5,026	6,701	11,378	(NA)	725	1,370	2,052	(NA)	690	1,108	1,432	(NA)
Inventories, Dec. 31	382	756	834	784	950	724	818	784	692	1,380	1,965	1982

NA Not available. ¹ Represents the average number of production workers plus the number of other employees in mid-March. ² By manufacture, derived by subtracting the cost of materials, supplies, containers, fuel, purchased electricity, and contract work from the value of shipments. This result is then adjusted by the addition of value added by merchandising operations, plus the net change in finished goods and work-in-process inventories between the beginning and the end of the year.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1982*, Industry Reports, series MC82-I-27A, and *1986 Annual Survey of Manufactures*, M86(A8)-1

NO. 913. NEWSPAPERS AND PERIODICALS—NUMBER, BY TYPE: 1965 TO 1988

[Data refer to year of completion of the Directory cited as the source, i.e., generally to year preceding year shown. See also *Historical Statistics, Colonial Times to 1970*, series R 232-243]

TYPE	1968	1970	1975	1980	1982	1983	1984	1985	1986	1987	1988
Newspapers¹	11,363	11,363	11,400	9,820	9,183	9,206	9,161	9,134	9,144	9,031	10,089
Semiweekly	357	423	506	537	486	508	525	517	495	510	555
Weekly	8,988	8,903	8,824	7,189	6,806	6,855	6,796	6,811	6,857	6,750	7,438
Daily	1,843	1,838	1,819	1,744	1,740	1,736	1,711	1,701	1,651	1,646	1,745
Periodicals²	6,886	9,573	9,657	10,236	10,898	10,862	10,989	11,096	11,328	11,593	11,229
Weekly	1,716	1,858	1,918	1,716	1,672	1,826	1,376	1,367	1,383	1,400	860
Semiweekly ³ ..	550	589	537	645	689	724	658	801	789	858	619
Monthly	4,185	4,314	4,087	3,885	4,078	4,108	4,086	4,088	4,088	4,031	4,182
Bimonthly	876	957	1,008	1,114	1,237	1,307	1,348	1,361	1,367	1,402	1,558
Quarterly	1,030	1,108	1,083	1,444	1,554	1,627	1,711	1,759	1,896	1,881	2,245

¹ Includes other not shown separately.

² Includes fortnightly (every two weeks).

Source: Gale Research Inc., Ft. Lauderdale, FL, *Gale Directory of Publications*, 1988. (Copyright.)

NO. 914. NUMBER AND CIRCULATION OF DAILY AND SUNDAY NEWSPAPERS: 1965 TO 1987

[Number of newspapers as of the following dates: 1965, Jan. 1; 1970-1988, Feb. 1 of the following year. Circulation figures as of Sept. 30, except 1980 and 1986 as of Oct. 1. For English language newspapers only. See also *Historical Statistics, Colonial Times to 1970*, series R 224-231]

TYPE	1965	1970	1975	1976	1978	1980	1981	1982	1983	1984	1985	1986	1987
NUMBER OF NEWSPAPERS													
Daily Total ¹	1,751	1,748	1,756	1,756	1,763	1,745	1,730	1,711	1,701	1,688	1,676	1,657	1,645
Morning	320	334	339	355	382	367	406	434	446	456	482	499	511
Evening	1,444	1,429	1,436	1,419	1,405	1,388	1,352	1,310	1,264	1,257	1,220	1,168	1,169
Sunday	562	586	639	696	720	736	756	788	772	783	798	802	820
CIRCULATION (mil.)													
Daily Total ¹	60.4	62.1	60.7	62.0	62.2	62.2	61.4	62.5	62.6	63.1	62.8	62.5	62.8
Morning	24.1	25.8	25.5	27.7	28.6	28.4	30.6	33.2	33.8	35.4	36.4	37.4	39.1
Evening	36.3	36.2	35.2	34.3	33.8	32.8	30.9	29.3	28.8	27.7	26.4	25.1	23.7
Sunday	48.6	49.2	51.1	54.0	54.4	54.7	56.2	56.3	56.7	57.5	58.8	58.9	60.1

¹ All-day newspapers are counted in both morning and evening columns but only once in total. Circulation is divided equally between morning and evening.

Source: Editor & Publisher Co., New York, NY, *Editor & Publisher International Year Book*, annual. (Copyright.)

NO. 915. NUMBER AND CIRCULATION OF DAILY NEWSPAPERS, BY POPULATION-SIZE CLASS OF CITY: 1975 TO 1987

[Number of newspapers as of Feb. 1 of the following year. Circulation as of Sept. 30. For English language newspapers only. See table 36 for number of cities by population size]

TYPE OF DAILY AND POPULATION-SIZE CLASS	NUMBER ¹						NET PAID CIRCULATION ¹ (1,000)					
	1975	1980	1984	1986	1986	1987	1975	1980	1984	1985	1986	1987
Morning dailies, total	336	367	489	482	489	511	25,491	29,413	35,424	36,381	37,441	38,123
In cities of—												
1,000,001 or more	14	20	14	22	23	26	7,159	8,795	4,841	9,367	10,167	12,169
500,001 to 1,000,000	26	27	24	24	27	25	5,581	5,705	6,609	6,897	7,331	5,915
100,001 to 500,000	89	99	128	121	124	123	7,836	8,995	16,876	12,197	12,087	12,542
50,001 to 100,000	69	75	63	67	68	92	2,619	2,973	3,402	3,653	3,701	3,946
25,001 to 50,000	67	64	74	63	66	89	1,422	1,701	1,994	2,145	2,257	2,411
Less than 25,000	75	102	135	145	151	157	874	1,243	1,897	2,099	1,897	2,141
Evening dailies, total	1,436	1,398	1,267	1,239	1,198	1,198	36,196	32,788	27,867	28,407	25,081	23,702
In cities of—												
1,000,001 or more	12	11	7	8	9	9	4,156	2,964	1,794	2,169	1,977	1,662
500,001 to 1,000,000	24	23	15	14	14	14	4,573	4,101	1,949	1,626	1,626	1,636
100,001 to 500,000	127	123	112	102	96	67	8,918	8,178	7,857	6,967	6,428	5,570
50,001 to 100,000	176	188	133	127	122	112	5,379	4,896	4,177	3,942	3,767	3,499
25,001 to 50,000	248	246	236	229	225	221	4,896	5,108	4,789	4,608	4,542	4,438
Less than 25,000	850	829	754	740	720	722	7,242	7,523	7,087	7,075	6,719	6,880

¹ All-day newspapers are counted in both morning and evening columns; circulation is divided equally between morning and evening.

Source: Editor & Publisher Co., New York, NY, *Editor & Publisher International Year Book*, annual. (Copyright.)

NO. 916. DAILY AND SUNDAY NEWSPAPERS—NUMBER AND CIRCULATION, BY STATE: 1987

[Number of newspapers as of Feb. 1 of the following year. Circulation figures as of Sept. 30. For English language newspapers only. New York, Massachusetts, and Virginia Sunday newspapers include national circulation.]

STATE	DAILY			SUNDAY		STATE	DAILY			SUNDAY	
	Number	Circulation ¹		Number	Net paid circulation (1,000)		Number	Circulation ¹		Number	Net paid circulation (1,000)
		Net paid (1,000)	Per capita ²					Net paid (1,000)	Per capita ²		
Total	1,846	62,826	.26	620	60,112	Missouri	47	1,338	.26	19	1,311
Alabama	27	754	.18	20	766	Montana	11	189	.23	7	187
Alaska	6	129	.25	4	142	Nebraska	19	474	.30	7	439
Arizona	19	704	.21	11	751	Nevada	7	263	.26	4	314
Arkansas	32	532	.22	16	562	New Hampshire	9	219	.21	4	142
California	118	6,395	.23	61	6,341	New Jersey	25	1,707	.22	20	1,933
Colorado	26	945	.22	10	1,098	New Mexico	19	306	.20	13	276
Connecticut	23	871	.27	11	824	New York	72	7,848	.44	35	5,848
Delaware	3	144	.22	2	166	North Carolina	64	1,443	.23	29	1,353
District of Columbia	2	853	.37	1	1,097	North Dakota	10	189	.28	7	183
Florida	46	2,985	.25	36	3,494	Ohio	87	2,815	.26	31	2,796
Georgia	35	1,112	.18	17	1,228	Oklahoma	51	774	.24	42	891
Hawaii	6	242	.22	5	258	Oregon	20	648	.24	10	—
Idaho	12	205	.21	9	243	Pennsylvania	93	3,328	.28	25	2,946
Illinois	70	2,899	.23	24	2,700	Rhode Island	7	298	.30	3	302
Indiana	73	1,531	.28	20	1,316	South Carolina	17	649	.19	12	666
Iowa	37	739	.26	11	752	South Dakota	12	189	.24	4	134
Kansas	46	544	.22	18	494	Tennessee	26	976	.20	15	1,063
Kentucky	24	663	.18	13	670	Texas	106	3,579	.21	96	4,396
Louisiana	28	796	.18	22	899	Utah	6	280	.17	6	317
Maine	9	291	.25	2	180	Vermont	6	126	.23	3	95
Maryland	14	701	.15	6	649	Virginia	36	2,503	.42	15	942
Massachusetts	45	2,103	.36	12	1,730	Washington	26	1,156	.25	15	1,139
Michigan	52	2,565	.28	15	2,470	West Virginia	23	439	.23	10	392
Minnesota	25	930	.22	12	1,066	Wisconsin	35	1,174	.24	14	1,078
Mississippi	23	405	.15	12	308	Wyoming	10	97	.20	4	74

¹ Circulation figures based on the principal community served by a newspaper which is not necessarily the same location as the publisher's office. ² Per capita based on total resident population estimated as of July 1, 1987.

Source: Editor & Publisher Co., New York, NY; Editor & Publisher International Year Book, annual (copyright).

NO. 917. COPYRIGHT REGISTRATION, BY SUBJECT MATTER: 1985 TO 1987

[In thousands. For years ending Sept. 30. Compiles claims to copyright registered for both U.S. and foreign works. See also *Historical Statistics, Colonial Times to 1870*, series W 82-85.]

SUBJECT MATTER OF COPYRIGHT	1985	1986	1987	SUBJECT MATTER OF COPYRIGHT	1985	1986	1987
Total	555.6	591.0	582.2	Sound recordings	22.7	29.0	31.9
Monographs ¹	154.5	148.2	153.9	Renewals	43.8	45.3	45.5
Semiconductor chip products	9	10	10	Musical works ²	147.9	156.3	161.6
Serials	120.0	130.0	131.0	Works of the visual arts ²	50.0	51.2	57.1

¹ Includes computer software and machine readable works. ² Includes dramatic works, accompanying music, choreography, pantomimes, motion pictures and filmstrips. ³ Two-dimensional works of fine and graphic art, including prints and art reproductions: sculptural works; technical drawings and models; photographs; commercial prints and labels; works of applied arts, cartographic works and multimedia works.

Source: The Library of Congress, *Annual Report*.

NO. 918. ADVERTISING—ESTIMATED EXPENDITURES: 1950 TO 1987

[In millions of dollars. See also *Historical Statistics, Colonial Times to 1870*, series T 444-446.]

YEAR	Total	National	Local	YEAR	Total	National	Local	YEAR	Total	National	Local
1950	5,700	3,260	2,440	1973	24,980	13,700	11,280	1980	53,660	29,815	23,795
1955	8,150	5,380	3,770	1974	26,620	14,700	11,920	1981	60,430	33,890	26,540
1960	11,980	7,305	4,655	1975	27,900	15,200	12,700	1982	66,580	37,785	28,795
1965	15,250	9,340	5,910	1976	33,300	18,355	14,945	1983	75,360	42,525	33,325
1970	19,550	11,350	8,200	1977	37,440	20,595	16,845	1984	87,620	49,690	38,130
1971	20,700	11,765	8,635	1978	43,330	23,720	19,610	1985	94,750	53,365	41,385
1972	23,210	12,960	10,230	1979	46,790	26,895	22,095	1986	102,140	56,660	45,280
								1987	108,660	60,625	48,025

Source: McCann-Erickson, Inc., New York, NY. Compiled for Orin Communications, Inc. in *Advertising Age* (copyright).

No. 919. ADVERTISING—INDEXES OF NATIONAL ADVERTISING EXPENDITURES, BY MEDIUM: 1970 TO 1987

[1987 = 100. Based on the average monthly expenditure for those major media which give national coverage. See also *Historical Statistics, Colonial Times to 1970*, series T 472-484]

MEDIUM	1970	1975	1976	1978	1980	1981	1982	1983	1984	1985	1986	1987
General index	112	143	236	269	289	332	366	413	481	490	521	636
Network television	114	158	273	316	363	361	422	478	572	554	573	561
Spot television	125	184	261	291	330	376	441	486	555	508	565	583
Magazines	104	116	209	236	253	284	296	340	368	414	427	450
Weeklies	95	94	176	204	216	245	255	284	342	363	357	376
Women's	107	130	236	259	277	302	321	374	429	459	488	502
Monthlies	120	185	246	280	304	347	386	404	480	501	517	559
Newspapers	105	131	182	209	232	267	290	323	364	396	399	413

Source: McCann-Erickson, Inc., New York, NY. Compiled for Grain Communications, Inc. in *Advertising Age* (copyright).

No. 920. ADVERTISING—ESTIMATED EXPENDITURES, BY MEDIUM: 1970 TO 1987

[In millions of dollars, except percent. See text, section 18 for a discussion of types of advertising. See also *Historical Statistics, Colonial Times to 1970*, series R 105-109, R 123-126, and T 444-471]

MEDIUM	EXPENDITURES								PERCENT			
	1970	1980	1982	1983	1984	1985	1986	1987	1970	1980	1986	1987
Total	19,590	53,580	66,590	75,860	87,820	94,750	102,140	109,680	100.0	100.0	100.0	100.0
National	11,350	29,815	37,785	42,525	48,880	53,355	56,850	60,825	58.1	55.7	56.3	55.3
Local	8,200	23,735	28,795	33,325	38,130	41,395	45,290	48,025	41.9	44.3	43.7	44.7
Newspapers	5,704	14,794	17,684	20,582	23,522	25,170	26,980	29,412	29.2	27.6	26.5	26.8
National	891	1,963	2,452	2,734	3,081	3,352	3,376	3,494	4.6	3.7	3.5	3.2
Local	4,813	12,831	15,242	17,848	20,441	21,818	23,614	25,918	24.6	24.0	23.0	23.6
Magazines	1,292	3,149	3,710	4,233	4,832	5,155	5,317	5,807	6.6	5.9	5.4	5.1
Weeklies	617	1,418	1,659	1,917	2,224	2,297	2,327	2,445	3.2	2.6	2.4	2.2
Women's	301	782	904	1,056	1,209	1,294	1,376	1,417	1.5	1.5	1.4	1.3
Monthlies	374	949	1,147	1,280	1,499	1,564	1,614	1,745	1.9	1.8	1.6	1.6
Farm publications	62	130	148	163	181	186	192	199	.3	.2	.2	.2
Television	3,566	11,489	14,536	16,758	19,848	21,022	22,661	23,804	18.4	21.4	22.2	21.8
Three networks	1,658	5,130	6,144	6,955	8,318	8,080	8,342	8,500	8.5	9.6	8.5	7.9
Cable networks	(NA)	45	181	282	458	594	676	760	(NA)	1	.6	.7
Syndication	(NA)	50	150	300	420	520	600	782	(NA)	1	.5	.7
Spot (national)	1,234	3,269	4,364	4,827	5,488	6,004	6,570	6,846	6.3	6.1	6.3	6.2
Spot (local)	704	2,967	3,765	4,345	5,084	5,714	6,514	6,833	3.6	5.5	6.0	6.2
Cable (non-network)	(NA)	8	32	50	80	130	179	203	(NA)	(2)	.1	.2
Radio	1,308	3,702	4,870	5,210	5,817	6,490	6,949	7,206	6.7	6.9	6.9	6.6
Network	56	183	255	296	320	366	423	413	.3	.3	.4	.4
Spot	371	779	923	1,038	1,197	1,335	1,348	1,330	1.9	1.5	1.4	1.2
Local	881	2,740	3,492	3,878	4,300	4,790	5,178	5,463	4.5	5.1	5.1	5.0
Direct mail	2,786	7,596	10,319	11,795	13,800	15,500	17,145	19,111	14.1	14.2	16.4	17.4
Business papers	740	1,674	1,876	1,990	2,270	2,375	2,362	2,456	3.8	3.1	2.5	2.2
Outdoor	234	578	721	794	872	945	985	1,025	1.2	1.1	1.0	.9
Miscellaneous	3,848	10,458	12,806	14,324	16,578	17,907	19,299	20,731	19.7	19.5	19.9	19.9

NA Not available. Z Less than .05.

Source: McCann-Erickson, Inc., New York, NY. Compiled for Grain Communications, Inc. in *Advertising Age* (copyright). Percentages derived by U.S. Bureau of the Census.

No. 921. MAGAZINE ADVERTISING—EXPENDITURES, BY PRODUCT TYPE: 1970 TO 1987

[In millions of dollars, except percent. Space cost based on one-time rate; special rates used where applicable. Year-to-year data not strictly comparable, as a few minor publications are added or deleted]

TYPE OF PRODUCT	1970	1980	1982	1983	1984	1985	1986	1987	PERCENT DISTRIBUTION		
									1970	1980	1987
Expenditures	1,193	2,848	3,421	3,986	4,986	4,961	5,126	5,385	100.0	100.0	100.0
Apparel, footwear, and accessories	51	112	154	206	240	251	291	323	4.3	3.9	6.0
Automotive ¹	97	230	333	405	473	549	597	678	8.1	8.0	12.6
Beer, wine, and liquor	96	239	256	243	230	240	225	208	8.2	8.4	3.9
Computers, office equipment, stationery	32	79	141	184	321	250	219	247	2.7	2.8	4.6
Consumer services ²	74	190	233	329	411	463	484	491	6.2	6.7	9.1
Drugs and remedies	36	79	89	105	129	135	146	142	3.2	2.8	2.6
Food and food products	86	199	240	263	289	342	389	377	7.2	7.0	7.0
Household equipment and supplies	34	65	65	81	96	100	93	97	2.8	2.3	1.8
Household furnishings	38	73	81	94	94	87	103	111	3.2	2.6	2.1
Jewelry, optical goods, cameras	30	79	60	85	107	101	113	121	2.5	2.8	2.2
Mail orders	(NA)	(NA)	(NA)	(NA)	252	326	363	407	(NA)	(NA)	7.6
Publishing and media	36	146	156	182	159	166	176	186	3.2	5.1	3.4
Retail	53	(NA)	(NA)	(NA)	129	121	143	138	4.4	(NA)	2.6
Smoking materials	65	290	358	398	423	383	322	334	5.4	10.2	6.2
Toiletries and toilet goods	119	208	241	279	334	385	380	455	10.0	7.2	8.4
Travel, hotels, and resorts	84	123	163	174	212	248	249	273	4.5	4.3	5.1
All other	289	738	836	891	728	793	615	692	24.2	25.9	14.9

NA Not available. ¹ Includes accessories and equipment. ² Includes business services.

Source: Publishers Information Bureau, Inc., New York, NY, as compiled by Leading National Advertisers.

NO. 922. TELEVISION—EXPENDITURES FOR NETWORK ADVERTISING: 1980 TO 1987

(In millions of dollars. See text, section 16 for a definition of network advertising)

TYPE OF PRODUCT	1980	1981	1982	1987	TYPE OF PRODUCT	1980	1981	1982	1987
Expenditures	5,147	5,313	5,900	5,314	Horticulture	15	30	29	40
Apparel, footwear, and accessories	131	141	181	197	Household equipment, supplies, and furnishings	225	275	335	330
Automotive	529	646	827	1,028	Insurance	74	98	131	150
Beer and wine	242	426	535	514	Financial planning services	20	60	79	81
Building material, equipment, fixtures	59	87	88	90	Jewelry and cameras ¹	119	129	139	148
Computers, office equipment, and stationery	57	249	222	180	Laundry soaps, cleansers, and polishes	306	397	396	322
Confectionery, soft drinks	261	368	359	364	Movies	103	136	143	148
Consumer services	178	303	379	392	Pet products	144	175	157	161
Dept. and discount stores	94	161	139	97	Proprietary medicines	430	700	761	773
Food and food products	844	1,502	1,513	1,815	Publishing and media	34	60	49	39
Freight and industrial development	7	40	27	26	Restaurants and drive-ins	132	416	439	498
Gas, lubricants, etc.	71	49	45	52	Tobacco products and supplies	6	6	1	1
Home electronics equipment	50	38	40	47	Toiletries and toilet goods	785	955	874	889
					Toys and sporting goods	93	152	136	126
					Travel, hotels, and resorts	72	102	113	125
					All other	84	367	389	384

¹ Includes optical goods.

Source: Television Bureau of Advertising, Inc., New York, NY. Data compiled by Broadcast Advertisers Reports, Inc., New York, NY.

NO. 923. TELEVISION—ESTIMATED TIME CHARGES FOR SPOT ADVERTISING: 1980 TO 1987

(In millions of dollars. Data represent activity in the top 75 markets monitored by Broadcast Advertisers Reports, Inc. (BAR), currently covering approximately 329 stations. See text, section 18 for a definition of types of advertising)

TYPE OF PRODUCT	1980	1981	1982 ¹	1987 ¹	TYPE OF PRODUCT	1980	1981	1982	1987 ¹
Estimated time charges	2,489	4,504	4,329	5,121	Home electronics equipment	73	67	79	67
Agriculture and farming	15	17	24	23	Horticulture	36	37	38	50
Apparel, footwear, and accessories	105	95	84	61	Household equipment, supplies, and furnishings	139	217	200	197
Automotive	226	853	934	1,152	Insurance	34	69	118	116
Beer and wine	156	218	243	237	Jewelry, optical goods, and cameras	55	66	58	49
Building material, equipment, and fixtures	47	58	66	76	Laundry soaps, polishes	111	175	160	136
Computers, office equipment, and stationery	15	25	34	32	Pet products	39	60	56	51
Confectionery, soft drinks	212	355	376	373	Proprietary medicines	83	148	144	184
Consumer services	83	262	304	264	Publishing and media	78	147	167	169
Food and food products	507	927	977	967	Tobacco products, suppliers	8	14	15	6
Freight and industrial development	5	38	50	21	Toiletries and toilet goods	229	267	230	255
Gasoline, lubricants, etc.	50	102	111	124	Toys and sporting goods	104	211	212	221
					Travel, hotels, and resorts	76	187	230	205
					All other	17	40	36	43

¹ Excludes National Syndicated activity; therefore, not completely comparable to prior years.

NO. 924. TELEVISION—EXPENDITURES FOR RETAIL/LOCAL ADVERTISING: 1980 TO 1987

(In millions of dollars. See headline, table 923)

TYPE OF PRODUCT	1980	1981	1982	1987	TYPE OF PRODUCT	1980	1981	1982	1987
Expenditures	1,963	3,896	4,448	4,877	Home building contractors building supplies	35	91	93	95
Amusements, entertainment	68	121	128	121	Hotels, resorts, U.S.	18	62	73	71
Appliance stores, repair	38	122	142	144	Financial planning services	7	29	34	36
Auto repair service stations	25	73	60	67	Jewelry stores	19	25	27	23
Auto supply accessory stores	12	41	39	45	Legal services	5	38	47	59
Auto, truck dealers	99	311	339	371	Leisure time stores and services	42	107	116	124
Banks, S&L associations	141	195	210	202	Loan, mortgage companies	12	25	24	23
Builders, real estate	26	41	38	40	Mail order catalog showrooms	13	23	16	16
					Medical, dental services	13	87	114	130
Carpet, floor covering stores	24	40	44	52	Movies	102	103	136	177
Clothing stores	46	82	112	116	Newspapers	15	32	39	36
Department stores	131	186	177	188	Optical services, supplies	14	26	47	74
Discount department stores	74	115	113	123	Political	70	22	161	25
Drug stores	26	67	78	79	Radio, cable TV	66	134	147	153
Education services	17	70	88	99	Rental services (non-auto)	15	38	43	39
Food stores, supermarkets	149	259	303	345	Restaurants, drive-ins	288	672	745	800
Furniture stores	111	187	186	219	Shoe stores	27	37	43	47
Gas, electric water companies	16	38	42	46	Shopping centers, malls	19	20	21	22
Hardware stores	19	20	17	26	Sport, hobby toy stores	23	41	40	49
Health clubs, reducing salons	21	44	42	52	All other	137	276	345	348

Source of tables 923 and 924: Television Bureau of Advertising, Inc., New York, NY. Data compiled by Broadcast Advertisers Reports, Inc., New York, NY in the top 75 markets.



Section 19

Energy

This section presents statistics on fuel resources, energy production and consumption, electric energy, hydroelectric power, nuclear power, solar energy, wood energy and the electric and gas utility industries. The principal sources are the U.S. Department of Energy's Energy Information Administration (EIA), the Edison Electric Institute, Washington, DC, and the American Gas Association, Arlington, VA. The Department of Energy was created in October 1977 and assumed and centralized the responsibilities of all or part of several agencies including the Federal Power Commission (FPC), the U.S. Bureau of Mines, the Federal Energy Administration, and the U.S. Energy Research and Development Administration. For additional data on transportation, see section 21; on fuels, see section 25; and on energy-related housing characteristics, see section 26.

The EIA, in its *Annual Energy Review*, provides statistics and trend data on energy supply, demand, and prices. Information is included on petroleum and natural gas, coal, electricity, hydroelectric power, nuclear power, solar, wood, and geothermal energy. Among its annual reports are *Annual Energy Review*, *Electric Power Annual*, *Natural Gas Annual*, *Petroleum Supply Annual*, *State Energy Data Report*, *Energy Price and Expenditure Report*, *Financial Statistics of Selected Electric Utilities*, *Historical Capital Costs and Annual Production Expenses*, *Residential Energy Consumption Survey*, *Performance Profiles of Major Energy Producers*, *Typical Electric Bills*, *Annual Energy Outlook*, and *International Energy Annual*. These various publications contain State, national, and international data on production of electricity, net summer capability of generating plants, fuels used in energy production, energy sales and consumption, hydroelectric power, construction costs and production expenses of power plants, and depreciation practices. The EIA also issues the *Monthly Energy Review*, which presents current supply, disposition, and price data, and separate weekly and monthly publications on petroleum, coal, natural gas, and electric power. Data on residential energy consumption, expenditures, and conservation activities are available from EIA's Residential Energy Consumption Survey and are published triennially in *Residential Energy Consumption Survey: Consumption and Expenditures*, and *Residential Energy Consumption Survey: Housing Characteristics*, and several other reports.

The Edison Electric Institute's monthly bulletin and annual *Statistical Year Book of the Electric Utility Industry for the Year* contain data on the distribution of electric energy by public utilities; information on the electric power supply, expansion of electric generating facilities, and the manufacture of heavy electric power equipment is presented in the annual *Year End Summary of the Electric Power Situation in the United States*. The American Gas Association, in its monthly and quarterly bulletins and its yearbook, *Gas Facts*, presents data on gas utilities, including sales, revenues, customers, prices, and other financial and operating statistics. A wide range of petroleum statistics are provided in the American Petroleum Institute publication *Basic Petroleum Data Book*.

Btu conversion factors.—Various energy sources are converted from original units (e.g., short tons, cubic feet, barrels, kilowatthours) to the thermal equivalent using British thermal units (Btu). A Btu is the amount of energy required to raise the temperature of 1 pound of water 1 degree Fahrenheit (F) at or near 39.2 degrees F. Factors are calculated annually from the latest final annual data available; some are revised as a result. The following list provides conversion factors used in 1986 for production and consumption, in that order, for various fuels: Petroleum, 5.800 and 5.418 mil. Btu per barrel; total coal, 21.913 and 21.462 mil. Btu per short ton; and natural gas (dry), 1,030 and 1,030 Btu per cubic foot. The factors for the production of nuclear power and geothermal power were 10,807 and 21,263 Btu per kilowatthour, respectively. The fossil fuel steam-electric power plant generation factor of 10,320 Btu per kilowatthour was used for hydroelectric power generation and for wood and waste, wind, photovoltaic, and solar thermal energy consumed at electric utilities.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

No. 925. TOTAL HORSEPOWER OF ALL PRIME MOVERS: 1950 TO 1987

[In millions, except percent. As of January, except as noted. Prior to 1980, excludes Alaska and Hawaii, except as noted. Prime movers are mechanical engines and turbines, and work animals, which originally convert fuels or forces (as wind or falling water) into work and power. Electric motors, which obtain their power from prime movers, are excluded to avoid duplication. See also *Historical Statistics, Colonial Times to 1870*, series S 1-14]

YEAR	Total horse- power	AUTOMOTIVE ^{1 2}		NONAUTOMOTIVE							
		Total	Per- cent of total	Total	Facto- ries ³	Mines ³	Rail- roads ⁴	Mer- chant ships and sailing vessels	Farms	Elec- tric central stations ⁵	Air- craft ^{6 7}
1950	4,808	4,404	90.5	484	33	22	111	⁸ 23	185	86	⁹ 22
1955	7,158	6,632	92.7	526	38	31	80	⁸ 24	212	136	⁹ 26
1960	11,008	10,357	94.2	641	42	35	47	24	240	217	37
1965	15,096	14,306	94.8	790	48	40	44	24	272	307	55
1970	20,408	19,325	94.7	1,083	54	45	54	22	290	436	183
1973	24,262	23,029	94.6	1,233	58	48	57	20	308	562	182
1974	24,516	23,224	94.7	1,292	59	48	61	21	315	605	185
1975	25,100	23,752	94.6	1,348	60	47	62	22	318	654	185
1976	25,732	24,339	94.6	1,393	61	47	64	22	324	692	184
1977	26,489	25,025	94.5	1,444	62	47	62	23	328	729	184
1978	27,379	25,892	94.6	1,487	63	48	64	23	⁷ 335	764	188
1979	28,182	26,617	94.5	1,545	63	48	62	26	342	803	201
1980	28,922	27,362	94.6	1,564	64	48	63	26	345	808	210
1981	29,507	27,909	94.6	1,598	64	48	66	29	345	835	212
1982	30,496	28,652	94.6	1,643	64	48	64	29	352	854	232
1983	31,337	29,652	94.7	1,675	64	47	62	29	358	877	240
1984	31,819	30,117	94.7	1,702	65	47	61	30	359	886	254
1985	32,529	30,792	94.7	1,737	66	47	58	29	368	912	268
1986	32,660	30,693	94.6	1,757	65	47	56	29	368	942	270
1987	33,286	31,486	94.7	1,778	65	47	53	29	357	958	299

¹ Includes passenger cars, trucks, buses, and motorcycles.

² As of July 1.

³ Beginning 1983, data are estimates.

⁴ Beginning 1955, not strictly comparable with earlier years. ⁵ Includes private planes and commercial airlines. ⁶ Includes Alaska and Hawaii. ⁷ Includes estimates of about 3.0 million hp in work animals and 30,000 in windmills.

Source: 1980 and 1984, The Twentieth Century Fund, New York, NY, J.F. Dewhurst and Associates, *America's Needs and Resources, A New Survey*; and John A. Waring, *Transactions of Canadian Sectional Meeting, World Power Conference, 1988*. Beginning 1980, John A. Waring, Arlington, VA, unpublished estimates.

No. 926. ENERGY PRODUCTION AND CONSUMPTION, BY MAJOR SOURCE: 1960 TO 1987

[Btu—British thermal unit. For Btu conversion factors, see text, section 19. See also *Historical Statistics, Colonial Times to 1870*, series M 79-82]

YEAR	Total production (quad. Btu)	PERCENT OF PRODUCTION				Total consumption (quad. Btu)	PERCENT OF CONSUMPTION				Consumption/production ratio
		Coal	Petroleum ¹	Natural gas ²	Other ³		Coal	Petroleum ¹	Natural gas ²	Other ³	
1960	41.5	26.1	38.9	34.0	3.9	43.8	22.5	45.5	28.3	3.8	1.06
1961	42.0	24.9	36.2	34.9	4.0	44.5	21.8	45.5	29.1	3.8	1.06
1962	43.5	25.0	35.6	35.1	4.2	46.5	21.3	45.2	29.5	4.0	1.07
1963	45.9	25.8	34.8	35.4	4.0	48.3	21.5	44.9	29.6	3.7	1.05
1964	47.7	26.2	33.9	35.8	4.0	50.5	21.7	44.2	30.3	3.8	1.08
1965	49.3	26.5	33.5	35.8	4.3	52.7	22.0	44.1	29.9	4.0	1.07
1966	52.2	25.8	33.7	35.4	4.1	55.7	21.8	43.6	30.5	3.8	1.07
1967	55.0	25.1	33.9	36.5	4.4	57.6	20.7	43.9	31.2	4.2	1.05
1968	56.8	24.0	34.0	37.8	4.4	61.0	20.2	44.2	31.5	4.1	1.07
1969	59.1	23.5	33.1	38.7	4.8	64.2	19.3	44.1	32.2	4.4	1.08
1970	62.1	23.5	32.9	38.9	4.7	66.4	18.5	44.4	32.6	4.3	1.07
1971	61.3	21.5	32.7	40.5	5.3	67.9	17.1	45.0	33.1	4.8	1.11
1972	62.4	22.8	32.1	39.7	5.8	71.3	16.9	46.2	31.9	5.0	1.14
1973	62.1	22.5	31.4	39.9	6.2	74.3	17.5	46.9	30.3	5.3	1.20
1974	60.8	23.1	30.5	38.9	7.4	72.5	17.5	46.1	30.0	6.5	1.19
1975	59.9	25.0	29.6	35.8	8.8	70.5	17.9	46.4	28.3	7.4	1.16
1976	58.9	25.1	28.8	38.4	8.8	74.4	18.3	47.3	27.4	7.1	1.24
1977	60.2	26.2	29.0	38.4	8.5	78.3	18.2	48.7	26.1	7.0	1.27
1978	61.1	24.4	30.2	35.6	9.9	79.1	17.6	48.6	25.6	8.1	1.28
1979	63.8	27.5	28.4	35.0	8.1	⁴ 79.9	19.1	47.1	26.2	7.7	1.24
1980	64.8	26.7	26.2	34.2	9.9	78.0	20.3	45.0	26.8	7.8	1.17
1981	64.4	26.5	25.2	34.2	9.1	74.0	21.5	43.2	26.9	8.4	1.15
1982	63.9	29.2	28.7	32.0	10.2	70.8	21.8	42.7	26.1	9.8	1.11
1983	61.2	26.2	30.1	30.6	11.2	70.5	22.6	42.6	24.6	10.2	1.15
1984	⁵ 65.8	30.0	28.6	30.7	10.7	74.1	23.0	41.9	25.0	10.0	1.13
1985	64.3	29.8	29.3	29.6	11.3	74.0	23.8	41.8	24.1	10.4	1.14
1986	64.3	30.4	28.8	29.0	12.0	74.3	23.2	43.4	22.5	10.9	1.16
1987	64.6	31.2	27.9	29.5	12.0	76.0	23.7	42.9	22.6	10.8	1.18

¹ Production includes crude oil and lease condensate. Consumption includes domestically produced crude oil, natural gas liquids, and lease condensate, plus imported crude oil and products. ² Production includes natural gas liquids; consumption excludes natural gas liquids. ³ Composed of hydropower, nuclear power, geothermal energy and other. ⁴ Represents peak year for U.S. energy consumption. ⁵ Represents peak year for U.S. energy production.

Source: U.S. Energy Information Administration, *Annual Energy Review*, and unpublished data.

~~Strongly Oppose~~ ~~Oppose~~ ~~Neutral~~ ~~Support~~ ~~Strongly Support~~

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SECRET

क्र.सं.	प्रश्न	उत्तर
१	प्रश्न १	उत्तर १
२	प्रश्न २	उत्तर २
३	प्रश्न ३	उत्तर ३
४	प्रश्न ४	उत्तर ४
५	प्रश्न ५	उत्तर ५
६	प्रश्न ६	उत्तर ६
७	प्रश्न ७	उत्तर ७
८	प्रश्न ८	उत्तर ८
९	प्रश्न ९	उत्तर ९
१०	प्रश्न १०	उत्तर १०
११	प्रश्न ११	उत्तर ११
१२	प्रश्न १२	उत्तर १२
१३	प्रश्न १३	उत्तर १३
१४	प्रश्न १४	उत्तर १४
१५	प्रश्न १५	उत्तर १५
१६	प्रश्न १६	उत्तर १६
१७	प्रश्न १७	उत्तर १७
१८	प्रश्न १८	उत्तर १८
१९	प्रश्न १९	उत्तर १९
२०	प्रश्न २०	उत्तर २०

1. The 5th day of January 1947 at 1:00 PM, the following persons were present at the meeting of the Board of Directors of the American Red Cross, District of Columbia, to discuss the proposed merger of the American Red Cross and the American National Red Cross:

NAME James William Anderson **DATE** 1-2-3-4-5-6-7-8-9-0

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~~THIS MESSAGE CONTAINS NEITHER RECOMMENDATIONS NOR~~

~~CONFIDENTIAL - SECURITY INFORMATION~~

人	姓名	性别	年龄	籍贯	职业	住址	备注
1	王德胜	男	45	山东	农民	山东省潍坊市	
2	李德胜	男	35	河北	工人	河北省石家庄市	
3	张德胜	男	55	河南	教师	河南省郑州市	
4	赵德胜	男	25	四川	学生	四川省成都市	
5	刘德胜	男	65	广东	医生	广东省广州市	
6	陈德胜	男	40	浙江	商人	浙江省杭州市	
7	周德胜	男	30	湖北	工人	湖北省武汉市	
8	吴德胜	男	50	湖南	农民	湖南省长沙市	
9	孙德胜	男	20	广西	学生	广西壮族自治区南宁市	
10	郑德胜	男	60	福建	工人	福建省福州市	

THE NEW YORK PUBLIC LIBRARY
ASTOR LENOX TILDEN FOUNDATIONS
455 FIFTH AVENUE
NEW YORK 17, N. Y.

NO. 929. ENERGY CONSUMPTION—END-USE SECTOR AND SELECTED SOURCE, BY STATE: 1966

(In trillions of Btu, except as indicated. For Btu conversion factors, see text, section 12. For composition of regions, see fig. 1, inside front cover)

REGION, DIVISION, AND STATE	Total ¹	Per cap- ita ² (mil. Btu)	Percent change, 1966- 1965	END-USE SECTOR				SOURCE				
				Resi- dential	Com- mercial	Indus- trial	Trans- portation	Petro- leum	Natu- ral gas (dry)	Coal	Hydro- power	Nu- clear power
U.S.	74,265	308	.3	15,279	11,729	26,471	20,777	32,198	16,718	17,245	2,405	4,475
Regions:												
Northeast	11,689	234	1.4	3,040	2,412	2,950	3,297	6,089	2,063	1,805	635	1,145
Midwest	18,509	312	-1.9	4,355	2,885	6,717	4,555	8,682	4,224	8,228	271	1,100
South	30,505	368	1.4	5,351	4,122	12,868	8,150	13,101	7,899	7,425	310	1,867
West	19,570	278	(2)	2,520	2,311	3,955	4,784	6,315	2,738	1,754	2,185	580
New England	2,538	233	3.4	815	685	685	852	1,866	319	157	157	317
Maine	329	261	7.1	78	48	104	101	219	3	9	58	67
New Hampshire	216	211	7.6	64	33	50	69	147	11	25	22	-
Vermont	115	213	.2	31	18	28	38	65	5	1	28	22
Massachusetts	1,279	219	3.1	373	297	230	388	853	191	100	41	25
Rhode Island	195	200	-4	59	42	36	56	113	27	1	(2)	-
Connecticut	704	221	1.8	210	159	135	200	459	81	21	8	202
Middle Atlantic	8,951	237	.8	2,225	1,827	2,365	2,435	4,233	1,745	1,649	475	829
New York	3,397	191	1.1	855	947	640	655	1,710	750	253	496	239
New Jersey	2,182	286	2.7	474	407	508	796	1,273	383	78	-3	180
Pennsylvania	3,272	275	-9	796	473	1,219	784	1,250	832	1,316	15	430
East North Central	13,000	311	-1.8	3,652	1,878	4,982	3,086	4,415	3,084	4,551	48	714
Ohio	3,553	331	-9	805	535	1,430	784	1,108	750	1,432	2	(2)
Indiana	2,221	404	-3.0	413	239	1,018	551	798	399	1,149	5	-
Illinois	3,357	291	4.1	830	617	1,190	720	1,161	944	787	1	461
Michigan	2,586	283	.2	672	390	899	635	890	699	812	15	132
Wisconsin	1,283	268	-4	342	199	424	318	480	262	371	25	121
West North Central	5,899	313	-1.8	1,293	998	1,765	1,547	2,277	1,160	1,677	223	396
Minnesota	1,219	289	.3	299	177	407	336	508	245	201	82	119
Iowa	894	314	-3.1	218	133	326	217	346	209	262	10	32
Missouri	1,431	283	-4.0	374	282	345	451	600	244	512	21	77
North Dakota	308	451	3.1	54	39	147	67	121	27	311	34	-
South Dakota	198	279	3.0	54	30	83	60	102	23	29	59	-
Nebraska	489	308	-1.8	121	109	117	142	187	104	110	17	83
Kansas	972	396	-3.4	173	158	370	274	403	308	252	(2)	75
South Atlantic	11,243	276	3.8	2,578	1,921	3,253	3,499	4,913	1,319	3,521	94	1,296
Delaware	214	338	3.7	40	27	58	59	126	34	66	-	-
Maryland	1,140	256	1.7	289	159	370	324	487	159	275	19	139
District of Columbia	172	275	4.7	35	73	31	33	46	20	1	-	-
Virginia	1,571	286	6.1	391	330	425	524	729	147	303	1	229
West Virginia	720	378	(2)	124	78	378	140	250	121	877	11	-
North Carolina	1,750	276	4.4	398	273	557	521	704	140	583	28	219
South Carolina	1,081	320	6.3	145	145	443	274	357	102	264	13	385
Georgia	1,828	300	3.3	353	288	554	522	757	287	989	22	79
Florida	2,665	228	4.1	699	598	408	693	1,477	299	459	2	236
East South Central	5,296	346	6.1	1,855	753	2,080	1,435	1,958	796	2,187	137	198
Kentucky	1,301	349	9.3	258	171	531	340	468	174	750	28	-
Tennessee	1,857	346	.5	361	274	657	465	578	194	807	55	-1
Alabama	1,454	359	4.4	275	194	636	348	506	210	691	54	125
Mississippi	683	337	6.4	161	114	336	272	405	220	109	-	44
West South Central	13,966	839	-1.7	1,729	1,448	7,695	3,235	6,232	5,693	1,778	79	211
Arkansas	751	317	-1.8	154	94	282	209	319	203	225	29	86
Louisiana	3,229	718	1.1	291	253	2,045	640	1,359	172	-	-	115
Oklahoma	1,205	365	-9.3	233	179	473	326	418	571	218	30	-
Texas	8,780	525	-1.1	1,051	923	4,745	2,080	4,135	3,313	1,163	20	-
Mountain	3,935	302	-2.8	764	737	1,310	1,239	1,582	739	1,893	485	199
Montana	315	386	9.2	57	45	131	82	137	41	133	112	-
Idaho	329	326	-5.3	74	62	112	81	108	35	8	125	-
Wyoming	346	683	(2)	37	35	210	65	118	79	337	12	-
Colorado	698	265	1.1	189	214	186	279	344	186	295	23	1
New Mexico	488	316	1.2	66	62	147	171	210	145	242	2	-
Arizona	639	255	2.4	173	175	111	301	336	105	298	149	108
Utah	478	298	-8.7	103	69	163	143	199	100	169	15	-
Nevada	295	305	3.7	63	45	71	116	142	38	182	47	-
Pacific	9,832	276	1.1	1,758	1,894	2,745	3,568	4,723	1,887	121	1,701	451
Washington	1,855	371	1.7	353	265	538	499	677	122	63	791	91
Oregon	801	296	.5	186	144	217	253	329	73	3	434	77
California	6,471	240	1.2	1,154	1,076	1,725	2,514	3,245	1,591	43	467	283
Alaska	474	890	3.1	42	78	206	151	245	208	12	8	-
Hawaii	231	217	1.0	21	23	55	129	227	3	(2)	1	-

- Represents zero. 2. Less than 500 billion or .05 percent. 3. Sources of energy includes geothermal, wood and waste, and net interstate sales of electricity, including losses, not shown separately. 4. Based on estimated resident population as of July 1. 5. Includes 16.7 trillion Btu of net imports of coal coke not allocated by State. 6. Minus sign (-) indicates when amount of energy expended exceeds amount of energy consumed.

Source: U.S. Energy Information Administration, *State Energy Data Report, 1960-1966*.

No. 930. PRIMARY ENERGY CONSUMPTION BY END-USE SECTOR: 1960 TO 1987

[Btu—British thermal unit. For Btu conversion factors, see text, section 18. For residential and commercial, industrial, and transportation sectors, data represent only fossil fuels consumed directly]

YEAR	Total consumption (quad. Btu)	Residential and commercial (quad. Btu)	Industrial and miscellaneous (quad. Btu)	Transportation (quad. Btu)	Electricity generation (quad. Btu)	PERCENT OF TOTAL			
						Residential and commercial	Industrial and miscellaneous	Transportation	Electricity generation
1960	43.8	8.8	16.3	10.6	8.2	20.0	37.1	24.1	18.7
1970	66.4	12.1	21.9	16.0	16.3	18.3	30.0	24.2	24.5
1973	74.3	12.3	23.6	16.5	18.9	16.5	31.7	25.0	28.7
1975	70.6	11.8	20.4	16.2	20.3	16.4	29.6	25.8	28.0
1978	78.1	11.9	21.9	20.6	23.7	15.2	28.0	26.3	30.4
1979	78.9	11.5	22.6	20.4	24.1	14.6	28.9	25.9	30.0
1980	78.0	10.7	21.0	19.7	24.3	14.1	27.7	25.9	32.3
1981	74.0	10.0	19.7	19.8	24.8	13.6	28.9	26.3	33.5
1982	70.8	10.1	17.4	19.9	24.3	14.2	24.8	26.9	34.2
1983	70.5	9.7	16.7	19.1	24.8	13.6	23.7	27.1	35.4
1984	74.1	10.1	16.2	19.8	25.9	13.6	24.5	26.6	35.0
1985	73.9	9.8	17.5	20.1	26.5	13.3	23.7	27.2	35.8
1986	74.3	9.6	17.3	20.7	26.7	12.9	23.2	27.9	35.9
1987, prei	75.0	9.6	17.7	21.1	27.6	12.7	23.3	27.6	36.3

Source: U.S. Energy Information Administration, *Annual Energy Review*.

No. 931. ENERGY CONSUMPTION, BY SECTOR AND PRIMARY SOURCE: 1987

[In trillions of Btu. For definition of Btu, see text, section 18]

SECTOR	Total ¹	Coal ²	Natural gas, dry	Petroleum ³	Hydroelectric ⁴	Nuclear power	Other ⁵	Electricity distributed ⁶	Electric energy loss ⁷
End-use sectors	78,042	2,835	14,239	31,389	39	(X)	9	8,379	19,182
Residential and commercial	27,831	164	6,653	2,806	(X)	(X)	-	5,476	12,534
Industrial	27,251	2,671	6,873	9,157	39	(X)	9	2,881	6,819
Transportation	21,162	-	513	20,808	(X)	(X)	-	13	30
Electric utilities	27,559	15,166	2,941	1,257	3,008	4,980	245	(X)	(X)

- Represents zero. X Not applicable. ¹Total may not equal sum of components due to independent rounding of the components. ²Represents anthracite, bituminous coal, and lignite. ³Includes petroleum products, still gas, liquefied refinery gas, and natural gas liquids. ⁴Industrial sector is hydroelectricity produced by the industrial sector. Electric utilities sector includes net imports of electricity. ⁵Industrial sector includes net imports of coal coke. Electric utilities sector includes electricity produced from geothermal, wood, waste, wind, solar thermal, and photovoltaic sources. ⁶Electricity used by railroads, and for street and highway lighting, is included in transportation sector. ⁷Losses allocated by final end-use sector in proportion to their direct allowed hour usage.

Source: U.S. Energy Information Administration, *Monthly Energy Review*, February 1988.

No. 932. ENERGY EXPENDITURES AND AVERAGE FUEL PRICES, BY SOURCE AND SECTOR: 1970 TO 1986

[For definition of Btu, see text, section 18. End-use sector and electric utilities exclude expenditures and prices on energy sources such as hydropower, solar, wind, and geothermal. Also excludes expenditures for reported amounts of energy consumed by the energy industry for production, transportation, and processing operations]

SOURCE AND SECTOR	1970	1973	1975	1978	1980	1981	1982	1983	1984	1985	1986
EXPENDITURES (mil. dol.)											
Total ^{1,2}	83,046	112,371	173,257	309,479	377,727	430,679	429,992	418,741	443,994	444,914	399,524
Natural gas	11,232	14,486	21,287	43,387	53,286	63,097	71,783	75,162	80,777	76,019	61,637
Petroleum products ³	46,217	65,426	104,103	184,434	240,008	266,761	243,994	221,239	226,751	224,278	173,154
Motor gasoline	31,596	39,867	59,490	99,009	124,418	138,124	130,463	115,816	114,439	118,044	91,491
Diesel fuel oil	6,254	9,524	15,681	32,856	40,800	48,202	44,118	41,074	44,036	42,947	32,479
Jet fuel	1,440	2,000	4,192	8,803	13,923	15,807	14,974	13,940	15,084	14,747	10,504
Residual fuel	2,047	4,667	10,379	17,665	21,573	22,667	17,631	14,097	14,979	11,470	7,494
Coal	4,563	6,229	13,047	20,421	22,648	26,231	26,427	27,051	29,050	29,719	27,914
Electricity sales	23,350	33,781	50,683	82,054	96,099	116,452	127,393	134,745	147,895	154,531	150,200
Residential sector	20,082	27,075	36,845	57,829	68,827	77,928	86,834	92,020	99,698	101,332	86,138
Commercial sector	10,669	15,105	22,836	38,756	46,683	55,369	61,246	64,764	69,861	71,621	66,082
Industrial sector	16,517	24,082	42,448	80,636	98,027	112,036	107,664	104,626	115,509	110,133	91,476
Transportation sector ⁴	35,480	46,009	71,129	123,158	163,990	185,340	174,186	157,331	159,357	161,826	124,816
Motor gasoline	30,525	38,598	58,038	94,106	121,819	135,360	128,105	113,843	112,044	115,201	88,372
Electric utilities	4,316	7,617	16,396	31,031	37,436	43,275	41,311	41,306	43,252	42,540	35,789
AVERAGE FUEL PRICES (dol. per mil. Btu)											
All sectors	1.89	1.97	2.16	5.13	4.68	5.34	5.31	5.19	5.82	4.86	3.91
Residential sector	2.12	2.73	3.23	8.05	7.55	8.83	8.82	10.81	11.15	11.42	10.82
Commercial sector	1.97	2.88	4.09	6.32	7.86	9.85	10.44	11.02	11.43	11.83	11.32
Industrial sector	.79	1.04	2.10	3.80	4.80	5.46	5.86	6.10	6.12	5.98	5.13
Transportation sector	2.32	2.89	4.04	6.21	6.82	6.86	6.46	6.46	6.26	6.27	6.16
Electric utilities	.22	.40	.98	1.48	1.75	2.00	2.01	1.97	1.97	1.95	1.35

¹Includes electricity sales; excludes electricity generation. ²Includes sources or fuel types, not shown separately.Source: U.S. Energy Information Administration, *State Energy Price and Expenditure Report*, annual.

No. 933. ENERGY EXPENDITURES—SOURCE AND END-USE SECTOR, BY STATE: 1986

(In millions of dollars, except per capita and percents. End-use sector and electric utilities exclude expenditures on energy sources such as hydropower, solar, wind, and geothermal. Also excludes expenditures for reported amounts of energy consumed by the energy industry for production, transportation, and processing operations)

DIVISION AND STATE	Total ¹	Per capita ² (dol.)	Percent change, 1985-1986	SOURCE					END-USE SECTOR			
				Petroleum products		Natural gas	Coal	Electricity sales	Residential	Commercial	Industrial	Transportation
				Total	Gasoline							
U.S.	300,524	1,576	14.5	173,184	31,401	51,837	27,914	180,206	66,126	66,092	91,479	124,614
N. Eng.	18,449	1,448	-13.2	10,175	4,906	2,051	305	7,128	2,755	3,755	5,009	6,009
ME	1,859	1,586	11.7	1,106	521	18	21	688	507	276	353	723
NH	1,406	1,369	-9.7	823	428	69	50	588	449	206	252	499
VT	771	1,425	-12.4	444	234	25	2	302	213	122	153	283
MA	5,226	1,410	-14.0	2,191	1,209	181	181	3,066	2,577	1,161	1,161	1,161
RI	1,291	1,324	13.2	682	345	163	2	447	416	256	206	412
CT	4,895	1,533	-13.5	2,575	1,247	553	49	2,057	1,818	1,073	721	1,484
Mid. Atl.	54,481	1,480	-12.8	22,938	11,238	9,484	2,819	22,948	16,579	12,798	9,822	14,883
NY	22,720	1,277	-12.1	9,243	4,740	4,218	435	10,236	7,591	6,896	2,639	5,595
NJ	13,803	1,810	-13.8	8,748	2,821	2,087	140	5,180	3,802	2,952	2,502	4,547
PA	17,958	1,511	-12.3	8,947	3,577	3,169	2,043	7,532	2,950	2,950	4,781	4,751
E. No.	68,838	1,855	-13.5	36,822	18,886	14,593	8,033	32,311	19,031	11,421	11,421	19,860
Cent.	16,270	1,700	-13.2	8,688	3,967	3,736	2,373	7,164	5,011	3,040	5,090	5,090
OH	10,336	1,878	14.2	4,295	2,044	1,776	1,921	3,615	2,499	1,219	3,316	3,306
IN	18,990	1,844	-13.5	7,037	3,424	4,251	1,819	7,457	5,341	3,730	5,089	4,849
IL	14,484	1,583	-13.1	5,700	3,424	3,411	1,498	5,000	2,372	3,817	4,177	4,177
MI	6,978	1,459	13.7	3,024	1,744	1,409	624	2,454	2,091	1,063	1,643	2,190
W. No.	38,510	1,628	-14.8	13,827	7,312	4,883	2,346	10,130	7,406	4,821	6,977	9,801
Cent.	5,449	1,531	-14.2	3,159	1,784	1,784	291	2,163	1,727	886	1,535	2,300
IA	4,780	1,677	-16.4	2,196	1,175	862	371	1,799	1,309	721	1,309	1,440
MO	7,582	1,497	-16.5	2,034	1,089	750	3,035	2,168	1,379	1,379	2,646	2,646
ND	1,433	2,110	-13.1	571	312	120	444	366	288	191	525	428
SD	1,074	1,518	14.7	612	323	108	40	346	308	180	219	308
NE	2,493	1,580	-15.8	1,175	678	409	119	856	604	501	463	925
KS	4,799	1,852	-9.7	2,286	1,006	680	1,672	1,007	793	1,535	1,484	1,484
So. Atl.	81,208	1,485	-11.5	26,012	16,483	5,745	6,107	27,820	16,720	16,720	12,041	21,801
DE	1,117	1,785	-16.0	599	253	145	124	436	288	163	282	384
MD	6,820	1,484	-9.9	2,886	1,860	833	458	2,661	1,883	963	1,489	2,283
DC	1,089	1,710	-7.0	286	165	201	3	584	236	435	160	236
VA	8,696	1,801	11.9	4,281	2,387	708	512	3,805	2,388	1,852	1,388	3,289
WV	3,082	1,597	-18.1	1,379	686	500	1,315	1,023	686	362	1,120	881
NC	8,720	1,535	-8.7	4,348	2,802	845	1,077	4,818	2,885	1,804	2,216	3,313
SC	5,389	1,594	-7.5	2,125	1,322	436	481	2,712	1,384	778	1,540	1,577
GA	9,477	1,564	12.4	4,251	2,544	1,370	1,249	3,797	2,319	1,535	2,184	3,489
FL	16,058	1,373	13.0	7,787	4,814	607	888	8,364	4,878	3,313	1,720	6,049
E. So.	24,972	1,643	-8.6	10,846	6,483	2,819	3,413	10,846	5,829	3,788	5,829	5,516
KY	6,026	1,617	-5.8	2,841	1,485	656	1,045	2,570	1,340	881	1,996	1,996
TN	8,109	1,689	-9.2	3,513	2,222	743	878	3,893	1,703	1,411	2,086	2,825
AL	8,787	1,676	-9.7	1,705	817	817	1,245	2,931	1,828	1,011	1,875	2,175
MS	4,050	1,543	-9.8	1,899	981	802	247	1,872	980	857	1,028	1,407
W. So.	66,313	2,089	-22.0	27,255	11,311	12,737	2,822	16,870	10,348	7,806	20,878	16,361
Cent.	3,786	1,598	13.6	1,704	1,002	644	355	1,472	882	527	882	882
LA	11,078	2,482	-22.7	5,411	1,847	2,714	309	3,487	1,783	1,404	4,822	4,822
OK	5,633	1,704	-21.0	2,333	1,343	1,026	380	2,186	1,389	1,389	1,470	1,441
TX	34,814	2,086	22.7	17,807	7,119	7,751	1,798	11,745	6,188	4,641	13,504	10,484
W. No.	18,896	1,533	-14.6	9,186	5,484	2,789	2,807	7,899	4,579	3,882	3,907	7,518
MT	1,423	1,420	-24.2	710	381	165	99	423	267	190	336	516
ID	1,329	2,622	-14.7	585	292	250	328	449	319	248	316	543
WY	4,474	1,370	-15.2	1,990	1,297	847	349	1,629	1,073	1,066	649	1,629
CO	2,980	1,585	-15.1	1,160	675	421	274	847	484	484	484	484
NM	5,094	1,584	7.1	2,172	1,438	380	441	2,523	1,291	1,127	769	769
AZ	2,358	1,417	15.5	1,061	625	405	275	838	583	383	583	583
UT	1,549	1,602	-17.5	433	162	225	802	380	380	251	251	251
Pac.	48,886	1,369	15.4	24,296	13,305	7,391	288	16,824	8,773	8,773	8,954	20,389
WA	5,306	1,413	-15.4	3,484	1,798	510	113	1,330	942	942	942	2,985
OR	3,834	1,419	14.7	1,088	1,088	341	7	1,525	855	855	752	1,586
CA	35,358	1,309	15.1	16,628	9,816	98	98	13,860	7,162	7,341	6,865	14,191
AK	1,653	3,108	12.4	1,132	205	224	41	322	242	353	252	796
HI	1,434	1,347	-25.3	386	386	32	1	527	186	201	236	611

¹ Includes sources not shown separately. Total expenditures are the sum of purchases for each source (including electricity sales) less electric utility purchases of fuel. ² Based on estimated resident population as of July 1. ³ Includes net imports of coal coke not shown separately by State.

Source: U.S. Energy Information Administration, State Energy Price and Expenditure Report, annual.

NO. 934. RESIDENTIAL ENERGY CONSUMPTION, EXPENDITURES, AND AVERAGE PRICES, 1979 TO 1985, AND BY REGION, 1985

[For period April to March of year stated. Excludes Alaska and Hawaii in 1979 and 1980. Covers occupied units only. Excludes household usage of gasoline for transportation and the use of wood or coal. Based on Residential Energy Consumption Survey, see Appendix M. For composition of regions, see fig. 1, inside front cover. Btu=British thermal unit; see text, section 19.]

TYPE OF FUEL	Unit	1979	1980	1981	1982	1983	1985				
							Total	North- west	Mid- west	South	West
CONSUMPTION											
Total.....	Quad. Btu	10.56	9.74	9.32	9.51	9.82	9.04	2.29	2.80	2.60	1.45
Avg. per household.....	Mil. Btu	136	126	114	114	103	106	125	129	85	85
Natural gas.....	Quad. Btu	5.86	5.31	4.94	5.20	4.77	4.89	93	199	115	91
Electricity.....	Quad. Btu	2.47	2.42	2.48	2.48	2.42	2.48	41	55	106	47
Fuel oil, kerosene.....	Quad. Btu	2.19	1.71	1.55	1.33	1.14	1.26	93	13	16	04
Liquid petroleum gas.....	Quad. Btu	.33	.31	.36	.31	.29	.31	.03	.13	.12	.03
EXPENDITURES											
Total.....	Bil. dol.	66.5	63.2	74.6	80.0	87.8	87.8	28.4	25.1	26.9	14.6
Avg. per household.....	Dollars	724	615	817	1,022	1,048	1,123	1,443	1,180	1,065	652
Natural gas.....	Bil. dol.	15.3	17.8	19.3	24.5	27.1	29.8	6.9	11.1	6.7	5.1
Electricity.....	Bil. dol.	29.9	32.0	40.1	45.9	46.4	54.5	12.2	11.8	21.7	8.8
Fuel oil, kerosene.....	Bil. dol.	9.6	10.7	12.5	11.8	9.6	9.8	7.0	1.0	1.3	.3
Liquid petroleum gas.....	Bil. dol.	1.7	2.1	2.9	2.7	2.7	3.1	.4	1.2	1.2	.4
AVERAGE PRICE (per million Btu)											
Total.....	Dollars	5.28	6.48	8.03	8.83	10.18	10.73	11.62	8.99	12.38	10.82
Natural gas.....	Dollars	2.74	3.36	3.90	4.55	5.67	5.97	7.43	5.99	5.81	5.55
Electricity.....	Dollars	12.10	13.48	16.32	18.51	18.96	22.99	29.77	21.84	20.39	18.94
Fuel oil, kerosene.....	Dollars	3.93	6.29	8.04	8.89	8.42	7.82	7.54	7.67	8.14	7.85
Liquid petroleum gas.....	Dollars	5.09	6.71	7.92	8.74	9.42	10.00	13.11	8.87	10.39	10.56

Source: U.S. Energy Information Administration, *Residential Energy Consumption Survey: Consumption and Expenditures*, annual through 1983; beginning 1985, triennial.

NO. 935. RESIDENTIAL ENERGY CONSUMPTION AND EXPENDITURES, BY TYPE OF FUEL AND SELECTED HOUSEHOLD CHARACTERISTIC: 1985

(For period April 1984 to March 1985. Quad. = quadrillion. See headnote, table 934.)

CHARACTERISTIC	CONSUMPTION (Btu's)					EXPENDITURES				
	Total ¹ (quad.)	Avg. per house- hold ¹ (mil.)	Nat- ural gas (quad.)	Elec- tricity (quad.)	Fuel oil ² (quad.)	Total ¹ (bil. dol.)	Avg. per house- hold ¹ (dol.)	Nat- ural gas (bil. dol.)	Elec- tricity (bil. dol.)	Fuel oil ² (bil. dol.)
Total households.....	9.04	106	4.89	2.48	1.26	87.0	1,123	29.8	54.5	9.8
Single family detached.....	6.27	117	3.46	1.88	.77	67.1	1,255	20.2	38.5	6.1
Single family attached.....	.45	112	.26	.11	.07	5.1	1,258	1.7	2.7	.6
2-4 unit building.....	.97	97	.64	.17	.16	9.5	950	4.1	4.2	1.3
5 or more unit building.....	.97	71	.51	.25	.21	10.3	781	3.1	5.9	1.3
Mobile home.....	.37	73	.12	.15	.04	4.9	947	.6	3.2	.3
Year house built:										
1939 or earlier.....	3.16	136	1.66	.54	.64	30.5	1,212	11.6	13.0	4.9
1940-1949.....	.74	106	.42	.17	.13	7.7	1,082	2.6	3.9	1.0
1950-1959.....	1.38	107	.80	.34	.18	14.1	1,120	4.7	7.7	1.4
1960-1969.....	.75	101	.40	.23	.09	8.2	1,098	2.3	4.9	.7
1970-1979.....	.82	99	.45	.27	.07	9.3	1,126	2.7	5.5	.6
1980-1984.....	.96	90	.49	.36	.05	11.5	1,079	2.8	7.7	.4
1975-1979.....	.68	87	.38	.41	.07	11.1	1,100	2.1	8.3	.5
1980 or later.....	.37	74	.15	.16	.03	4.5	903	.8	3.3	.2
Heating and cooling degree day zones: ³										
Less than 2,000 HDD and—										
More than 7,000 HDD.....	1.03	114	.56	.22	.17	9.8	1,067	3.1	4.5	1.3
5,500-7,000 HDD.....	2.90	135	1.87	.55	.42	27.8	1,283	11.0	12.6	3.3
4,000-5,499 HDD.....	2.50	111	1.22	.83	.59	27.3	1,212	8.0	14.3	4.4
Less than 4,000 HDD.....	1.85	82	.93	.59	.05	18.1	905	5.3	11.6	.5
More than 2,000 CDD and less than 4,000 HDD.....	.97	73	.41	.50	(B)	14.4	1,081	2.4	11.3	(B)
1984 family income:										
Less than \$5,000.....	.71	90	.42	.16	.10	7.0	891	2.4	3.5	.7
\$5,000-\$9,999.....	1.32	95	.70	.31	.23	13.5	964	4.1	8.8	1.6
\$10,000-\$14,999.....	1.21	92	.67	.32	.17	12.6	985	3.9	7.0	1.3
\$15,000-\$19,999.....	.90	100	.48	.23	.14	9.4	1,043	2.8	5.0	1.0
\$20,000-\$24,999.....	.84	101	.45	.24	.12	9.0	1,080	2.7	5.1	.9
\$25,000-\$34,999.....	1.65	108	.80	.50	.21	18.2	1,189	5.4	10.7	1.7
\$35,000-\$49,999.....	1.28	121	.70	.40	.18	14.5	1,368	4.3	8.8	1.3
\$50,000 or more.....	1.13	139	.67	.33	.11	12.7	1,568	4.0	7.7	.8

B Base figure too small to meet statistical standards for reliability of derived figure. ¹ Includes liquid petroleum gas, not shown separately. ² Includes kerosene. ³ CDD=Cooling degree day; HDD=Heating degree day.

Source: U.S. Energy Information Administration, *Residential Energy Consumption Survey: Consumption and Expenditures*, April 1984 through March 1985.

NO. 936. AVERAGE RESIDENTIAL ENERGY CONSUMPTION AND EXPENDITURES OF ALL FUELS USED, BY MAIN HEATING FUEL TYPE AND HOUSEHOLD CHARACTERISTIC: 1985

[For period April 1984 through March 1985. See headnote, table 984]

HOUSEHOLD CHARACTERISTIC	CONSUMPTION PER HOUSEHOLD (mil. Btu)					EXPENDITURES PER HOUSEHOLD (dollars)				
	All households ¹	Households using as main heating fuel—				All households ¹	Households using as main heating fuel—			
		Natural gas	Electricity		Fuel oil ²		Natural gas	Electricity		Fuel oil ²
			With air conditioning	With-out air conditioning				With air conditioning	With-out air conditioning	
Total households	168	124	88	53	126	1,123	1,119	1,071	863	1,422
Region:										
Northeast	125	136	61	52	137	1,443	1,421	1,476	1,233	1,535
Midwest	129	142	70	72	124	1,160	1,154	1,151	1,284	1,296
South	65	115	54	43	90	1,085	1,121	1,047	811	1,155
West	85	99	54	53	121	852	873	918	705	1,124
Type:										
Single-family detached	117	140	70	64	137	1,255	1,272	1,288	1,045	1,582
Single-family attached	112	118	88	(B)	142	1,255	1,195	1,221	(B)	1,573
2-4 unit building	97	101	44	45	124	950	803	816	614	1,377
5 or more unit building	71	83	35	37	105	761	705	743	604	1,040
Mobile home	73	102	47	54	76	947	922	950	957	1,000
Year house built:										
1939 or earlier	126	139	64	58	138	1,212	1,177	929	809	1,502
1940 to 1949	108	114	61	(B)	130	1,092	1,030	1,231	(B)	1,473
1950 to 1959	107	119	65	40	116	1,120	1,101	1,290	622	1,386
1960 to 1964	101	118	54	49	104	1,096	1,147	1,038	792	1,126
1965 to 1968	98	121	58	49	122	1,126	1,162	1,075	797	1,463
1970 to 1974	90	119	50	88	102	1,079	1,126	967	1,061	1,303
1975 to 1979	87	119	61	53	116	1,100	1,078	1,163	916	1,416
1980 or later	74	92	47	57	112	993	627	918	913	1,190
1984 family income:										
Less than \$5,000	90	112	39	40	104	881	913	771	883	1,118
\$5,000-\$9,999	95	115	40	46	115	984	957	772	777	1,227
\$10,000-\$14,999	92	105	49	50	118	985	927	950	734	1,290
\$15,000-\$19,999	100	117	46	46	119	1,043	1,023	937	881	1,352
\$20,000-\$24,999	101	113	58	61	129	1,030	1,014	1,040	1,080	1,494
\$25,000-\$34,999	105	127	61	61	137	1,160	1,184	1,140	923	1,541
\$35,000-\$49,999	121	136	75	62	145	1,388	1,331	1,401	1,124	1,742
\$50,000 or more	139	164	67	65	152	1,568	1,606	1,329	1,136	1,832

B Base figure too small to meet statistical standards for reliability of derived figure. ¹ Includes households using liquid petroleum gas, not shown separately. ² Includes kerosene.

Source: U.S. Energy Information Administration, Residential Energy Consumption Survey: Consumption and Expenditures, April 1984 through March 1985.

NO. 937. RESIDENTIAL ENERGY EXPENDITURES, BY TYPE OF END USE AND HOUSEHOLD CHARACTERISTIC: 1985

[For period April 1984 through March 1985. See headnote, table 984]

CHARACTERISTIC	EXPENDITURES (bil. dol.)					EXPENDITURES PER HOUSEHOLD (dollars)				
	All end uses	End use				All end uses	End use			
		Space heating	Cool-ing	Water heating	Other ¹		Space heating	Cool-ing	Water heating	Other ¹
Total households	97.0	36.9	7.5	14.7	37.8	1,123	427	87	171	436
Type:										
Single-family detached	67.1	24.7	5.1	10.2	27.1	1,255	462	96	191	806
Single-family attached	5.1	2.2	.4	.7	1.9	1,256	531	85	174	456
2 to 4 unit building	9.5	4.2	.4	1.3	3.5	950	424	40	134	353
5 or more unit building	10.3	4.0	1.3	1.6	3.5	761	298	94	115	255
Mobile home	4.9	1.7	.3	.9	1.9	947	339	84	177	366
Year house built:										
1939 or earlier	30.5	14.3	1.1	4.1	11.1	1,212	566	44	162	440
1940 to 1949	7.7	3.0	.5	1.2	2.9	1,092	431	78	167	416
1950 to 1959	14.1	5.1	1.1	2.2	5.8	1,120	403	65	174	458
1960 to 1964	8.2	2.6	.8	1.3	3.4	1,096	355	113	171	459
1965 to 1969	9.3	2.9	1.0	1.4	3.9	1,126	358	128	170	472
1970 to 1974	11.5	3.9	1.3	1.9	4.4	1,079	388	121	178	414
1975 or later	15.7	5.0	1.6	2.7	6.3	1,035	331	109	179	416
1984 family income:										
Less than \$5,000	7.0	3.1	.3	1.1	2.5	891	362	43	135	319
\$5,000-\$9,999	13.5	5.9	.7	2.0	4.8	984	426	52	141	346
\$10,000-\$14,999	12.6	4.8	1.0	2.0	4.8	985	388	76	155	308
\$15,000-\$19,999	9.4	3.6	.7	1.5	3.6	1,043	401	72	171	308
\$20,000-\$24,999	9.0	3.5	.6	1.4	3.5	1,090	422	74	165	419
\$25,000-\$34,999	16.2	6.6	1.6	2.8	7.3	1,160	426	102	190	479
\$35,000-\$49,999	14.5	5.0	1.3	2.2	6.0	1,369	474	118	211	586
\$50,000 or more	12.7	4.3	1.4	1.7	5.2	1,568	536	173	215	646

¹ Appliance usage.

Source: U.S. Energy Information Administration, Residential Energy Consumption Survey: Consumption and Expenditures, April 1984 through March 1985.

NO. 92B. COMMERCIAL BUILDINGS—ENERGY CONSUMPTION AND EXPENDITURES, BY MAJOR FUEL TYPE USED: 1983

[Covers buildings using one or more major fuel. Excludes industrial buildings. Excludes Alaska and Hawaii. Based on a sample survey of building representatives conducted between March and August 1983; therefore subject to sampling variability. For characteristics of commercial buildings, see also tables 1280-1282. Quad. = quadrillion.]

Item	Unit	All major fuels	Electricity	Natural gas	Fuel oil	Propane	Purchased steam
Number of buildings using the fuel	1,000	3,774	3,784	2,238	538	280	89
Square footage of floorspace	Million	51,388	51,148	88,888	16,205	2,721	4,538
Square footage per building	1,000	13.6	13.5	18.1	18.6	10.9	77.5
Energy consumed, total	Quad. Btu	5,190	2,237	2,237	364	698	284
Energy consumed per building	Mil. Btu	1,384	584	584	88	180	5,028
Energy consumed per square foot of floorspace	1,000 Btu	100	44	62	35	14	95
Energy consumed per employee	Mil. Btu	89	29	42	22	8	39
Expenditures, total	Mil. dol.	58,242	41,554	12,284	2,388	362	2,663
Expenditures per building	\$1,000	15.7	11.0	5.5	4.4	1.4	45.6
Expenditures per square foot of floorspace	Dollars	1.16	.81	.34	.23	.13	.58
Expenditures per million Btu of energy consumed	Dollars	11.50	18.58	8.52	6.60	9.38	9.12

Source: U.S. Energy Information Administration, *Nonresidential Buildings Energy Consumption Survey: Consumption and Expenditures, 1983*.

NO. 93B. COMMERCIAL BUILDINGS—ENERGY CONSUMPTION AND EXPENDITURES: 1983

[Covers buildings using one or more major fuel. Excludes industrial buildings. Excludes Alaska and Hawaii. Based on a sample survey of building representatives conducted between March and August 1983; therefore subject to sampling variability. For characteristics of commercial buildings, see tables 1280-1282. For composition of regions, see fig. 1, inside front cover.]

BUILDING CHARACTERISTIC	ALL BUILDINGS USING ANY MAJOR FUEL		CONSUMPTION (quadrillion Btu)			EXPENDITURES (mil. dol.)		
	Number (1,000)	Square feet (mil.)	Major fuel, total ¹	Electricity	Natural gas	Major fuel, total ¹	Electricity	Natural gas
All buildings	3,774	51,388	5,190	2,237	2,237	58,242	41,554	12,284
Year constructed:								
1900 or before	278	2,884	194	651	697	2,148	1,208	563
1901 to 1920	388	5,228	354	112	170	3,918	2,408	864
1921 to 1945	685	8,289	848	285	384	9,385	5,874	2,183
1946 to 1960	883	9,434	938	382	424	10,408	6,808	2,309
1961 to 1970	700	9,873	1,089	486	464	12,713	9,041	2,481
1971 to 1973	207	3,411	388	186	136	4,742	3,728	781
1974 to 1979	517	6,550	861	423	379	10,004	7,479	2,114
1980 to 1983	136	5,631	491	288	172	5,954	4,804	888
Principal activity within building:								
Assembly	452	5,475	377	121	187	4,147	2,563	1,084
Educational	177	6,044	484	155	248	4,843	2,888	1,317
Food sales/services	380	2,050	437	222	183	5,510	4,178	1,138
Health care	61	2,277	466	147	218	4,385	2,487	1,118
Lodging	108	2,241	385	151	171	3,832	2,714	878
Mercantile/services	1,055	10,347	838	434	337	10,338	7,838	1,889
Office	575	8,444	1,039	521	371	13,087	9,888	2,031
Residential	235	2,442	179	642	686	1,886	870	586
Warehouse	387	6,700	605	208	248	5,530	3,786	1,358
Other	167	2,738	278	151	678	3,377	2,564	406
Vacant	180	2,522	184	686	673	2,228	1,834	284
Region:								
Northeast	653	11,413	954	345	314	13,580	8,031	2,143
Midwest	1,157	15,718	1,922	697	1,044	18,991	12,110	5,842
South	1,415	18,683	1,583	848	550	19,218	15,121	2,833
West	549	7,487	710	346	319	7,454	5,282	1,787
Square footage:								
5,000 or less	2,112	4,680	871	332	474	10,016	6,821	2,888
5,001 to 10,000	705	5,083	882	217	285	8,323	4,188	1,888
10,001 to 25,000	580	8,795	727	321	301	8,872	6,288	1,731
25,001 to 50,000	216	7,470	685	305	317	8,142	5,840	1,748
50,001 to 100,000	104	6,983	615	291	239	6,966	5,036	1,300
100,001 to 200,000	48	6,613	588	251	237	6,488	4,444	1,233
Over 200,000	28	11,675	1,080	520	372	12,484	8,948	1,812

¹ Includes fuel oil, propane, and purchased steam, not shown separately.

Source: U.S. Energy Information Administration, *Nonresidential Buildings Energy Consumption Survey: Consumption and Expenditures, 1983*.

NO. 940. MANUFACTURING ENERGY CONSUMPTION FOR HEAT AND POWER, BY TYPE OF FUEL AND INDUSTRY GROUP: 1965

(In billions of Btu. Based on the Manufacturing Energy Consumption Survey, therefore subject to sampling variability)

SIC ¹ code	INDUSTRY	Total consumption	Net electricity ²	Fuel oil ³	Natural gas	Coal and coke	Other
(0)	Total	13,747.9	2,395.5	795.2	4,917.7	1,995.9	4,198.2
20	Food and kindred	954.3	195.8	65.1	459.9	131.7	132.9
21	Tobacco products	19.8	4.8	2.3	3.4	9.4	.1
22	Textile mill products	248.1	98.1	21.9	91.2	39.0	9.7
23	Apparel and other textile products	32.4	15.3	2.9	12.5	1.4	.4
24	Lumber and wood products	348.9	55.1	23.4	31.4	(b)	(b)
25	Furniture and fixtures	48.6	15.2	2.7	19.6	2.1	9.1
26	Paper and allied products	2,355.6	183.8	199.9	379.7	222.5	1,302.9
27	Printing and publishing	98.6	52.5	2.4	40.8	(b)	(b)
28	Chemicals and allied products	2,480.5	445.2	100.3	1,180.9	335.4	397.7
29	Petroleum and coal products	2,426.9	120.9	134.9	690.7	7.9	1,472.9
30	Rubber and misc. plastic products	220.8	80.7	15.2	102.0	5.1	4.6
31	Leather and leather products	13.4	4.3	3.3	4.5	.9	.4
32	Stone, clay, and glass products	927.8	116.9	33.1	397.0	348.0	32.3
33	Primary metal industries	2,362.2	499.7	53.2	999.2	900.6	520.5
34	Fabricated metal products	298.2	91.2	16.7	171.8	8.7	8.0
35	Machinery, except electrical	277.8	114.2	14.8	113.7	30.8	4.5
36	Electric and electronic equipment	223.7	110.1	10.4	91.4	5.8	3.3
37	Transportation equipment	322.2	115.0	25.7	120.7	43.8	17.0
38	Instruments and related products	79.7	29.2	8.1	23.8	(b)	(b)
39	Miscellaneous manufacturing	31.3	11.4	2.5	15.4	1.3	.7

D Figure withheld to avoid disclosure. X Not applicable. ¹ Standard Industrial Classification; see text, section 12. ² Net electricity is obtained by aggregating purchases, transfers in, and generation from noncombustible renewable resources minus quantities sold and transferred out. ³ Includes distillate and residual.

Source: U.S. Energy Information Administration, *Monthly Energy Review*, January 1967.

NO. 941. FOSSIL FUEL PRICES IN CURRENT AND CONSTANT (1982) DOLLARS: 1960 TO 1987

(In cents per million British thermal units (Btu), except as indicated. All fuel prices taken as close to the point of production as possible. See text, section 12, for explanation of Btu conversions from mineral fuels. Minus sign (-) indicates decrease)

YEAR OR PERIOD	CURRENT DOLLARS					CONSTANT (1982) DOLLARS					GNP ³ price deflator (1982=100)
	Composite ¹	Crude oil	Natural gas	Bituminous coal ²	Anthracite coal	Composite ¹	Crude oil	Natural gas	Bituminous coal ²	Anthracite coal	
1960	28.3	49.7	12.0	18.8	33.8	91.8	160.8	40.8	60.8	109.4	30.9
1965	27.7	49.3	14.5	17.9	35.3	82.0	145.9	42.9	63.0	107.4	35.8
1970	31.7	54.8	15.4	26.2	48.8	75.5	130.5	38.7	62.4	116.2	42.0
1973	39.8	67.1	20.1	35.5	61.7	60.4	135.6	40.6	73.7	124.6	49.5
1975	82.5	132.2	41.1	63.9	149.5	139.1	222.9	69.3	141.5	252.1	99.3
1976	90.2	141.2	53.1	85.0	189.9	142.9	223.6	84.2	134.7	243.9	93.1
1977	100.8	147.8	72.3	87.7	153.8	149.8	219.8	107.4	130.3	228.5	97.3
1978	111.6	155.2	83.6	97.9	152.7	154.6	215.0	115.8	135.6	211.5	72.2
1979	141.7	217.9	108.1	105.3	177.2	180.3	277.2	137.5	134.0	225.4	75.8
1980	204.2	372.2	144.8	109.4	185.9	236.3	434.3	169.0	127.7	218.9	65.7
1981	274.5	547.8	179.5	117.9	180.1	292.0	562.6	191.0	125.4	202.2	64.0
1982	275.8	491.7	222.2	122.1	214.0	275.8	491.7	222.2	122.1	214.0	100.0
1983	270.1	451.8	232.3	117.2	230.0	260.0	434.6	223.6	112.8	221.4	103.9
1984	284.6	446.2	239.9	115.9	208.7	245.7	414.3	222.7	107.6	193.8	107.7
1985	251.2	415.3	225.7	114.8	204.2	225.9	373.5	203.0	103.2	183.6	111.2
1986	195.3	215.7	174.9	108.2	191.1	144.9	189.0	163.2	94.8	167.5	114.1
1987, prei	171.4	205.7	154.1	104.8	186.3	145.8	228.1	131.1	99.2	158.6	117.5
Percent change:											
1960-70	12.0	10.3	22.2	39.4	44.4	-17.8	-18.8	-10.0	2.6	6.2	35.9
1970-73	25.8	22.4	30.5	39.3	25.4	6.5	3.9	10.6	18.1	7.2	17.9
1973-75	107.3	97.0	104.6	129.9	142.3	73.0	64.4	70.7	92.0	102.3	19.8
1975-79	71.8	64.8	163.0	25.5	18.5	29.6	24.4	99.4	5.3	10.6	32.5
1979-80	44.1	70.8	34.0	3.9	4.8	32.2	56.7	22.9	-4.7	-3.6	9.0
1980-81	34.4	47.2	24.0	7.8	2.3	22.5	34.2	13.0	-1.8	-8.8	9.7
1981-82	.5	-10.2	23.8	3.8	12.6	-6.5	-16.8	19.3	2.8	5.6	6.4
1982-83	-2.1	-8.2	4.5	-4.0	7.5	-5.7	-11.6	.6	-7.6	3.5	3.8
1983-84	-2.0	-1.2	3.3	-1.1	-9.3	-5.3	-4.7	-.4	-4.8	-12.5	3.7
1984-85	-5.1	-8.9	5.8	-1.0	-2.2	-8.1	-8.8	-8.8	-4.1	-5.3	3.2
1985-86	-34.2	-48.1	-22.6	-5.7	-6.4	-35.9	-48.4	-24.5	-8.1	-8.6	2.8
1986-87	9.7	23.2	-11.6	-3.1	-2.5	7	19.8	-14.4	-5.9	-5.3	3.0

¹ Weighted by relative importance of individual fuels in total fuels production. ² Includes lignite. ³ GNP=Gross national product; see text, section 15.

Source: U.S. Energy Information Administration, *Annual Energy Review*.

No. 942. World Energy Consumption, by Region and Energy Source: 1960 to 1986

[In terms of coal equivalent. Metric ton = 1,000 short tons. Kilogram = 2.205 pounds. See text, section 31 for general comments about the data]

Region and Energy Source	Consumption (mil. metric tons)					Per Capita (kilograms)				Percent Distribution			
	1960	1970	1980	1985	1986	1960	1970	1979	1980	1960	1970	1980	1986
World total	2,594	5,449	8,546	8,142	8,392	1,322	1,749	1,919	1,322	100.0	100.0	100.0	100.0
North America ¹	1,590	2,592	2,796	2,719	2,769	5,951	7,935	7,480	6,637	46.7	38.9	39.7	33.1
United States	1,454	2,217	2,384	2,393	2,279	5,637	10,311	10,399	9,499	37.1	34.4	27.7	24.4
South America	79	143	251	259	277	335	749	1,046	1,912	2.9	2.2	2.9	3.0
Europe	1,899	1,739	2,145	2,171	2,199	2,443	3,745	4,439	4,449	29.5	29.7	29.1	25.9
Asia	514	993	1,579	1,895	1,999	279	399	997	999	13.1	14.0	19.3	21.9
Japan	99	333	435	499	449	1,995	3,249	3,795	3,995	2.4	5.2	5.1	4.7
Soviet Union	395	993	1,479	1,719	1,797	2,777	4,132	5,549	6,399	15.2	15.5	17.2	19.3
Oceania	41	71	195	121	124	2,597	3,675	4,572	4,999	1.9	1.1	1.2	1.9
Energy source:													
Solid fuels	1,949	2,199	2,932	3,099	3,999	644	399	391	997	49.4	33.9	39.9	32.1
Liquid fuels	1,399	2,935	3,779	3,991	3,791	439	779	949	733	33.3	44.0	44.2	39.7
Natural gas	99	1,239	1,934	2,939	2,999	197	391	412	429	15.1	29.1	21.5	29.5
Electricity	94	154	391	427	449	39	42	99	91	2.1	2.4	3.9	4.9

¹ Includes Central America.Source: Statistical Office of the United Nations, New York, NY, *Energy Statistics Yearbook*, annual (Copyright).

No. 943. World Primary Energy Production, by Region and Type: 1973 to 1986

[In quadrillion Btu. Btu = British thermal units. For Btu conversion factors, see source]

Region and Type	1973	1979	1977	1979	1979	1980	1981	1982	1983	1984	1985	1986, proj.
World total	244.9	345.9	297.9	273.9	297.3	295.4	299.9	279.5	299.7	299.9	299.9	314.1
North America	73.3	71.1	72.4	74.0	79.2	80.8	81.0	81.4	79.2	84.9	84.1	83.2
United States	62.0	59.9	60.1	61.0	63.7	64.7	64.3	63.9	61.1	65.9	64.9	64.1
Central and South America	12.9	10.9	10.9	11.2	12.2	12.1	12.0	11.9	12.0	12.7	13.4	14.1
Western Europe	19.9	21.4	24.0	24.9	27.4	29.7	29.9	30.9	32.1	32.9	36.0	39.9
Eastern Europe and Soviet Union	61.4	55.9	61.9	64.0	65.1	67.7	68.2	70.4	72.3	74.0	78.5	81.7
Middle East	49.9	43.5	49.9	47.2	49.5	41.9	39.9	29.5	27.2	27.1	25.7	39.9
Africa	14.9	13.3	16.4	18.5	18.1	17.2	14.9	16.0	15.9	16.5	18.1	17.9
Far East and Oceania	29.2	29.3	32.9	35.9	36.7	37.3	38.1	39.4	42.1	45.2	49.0	51.0
Crude oil	117.9	111.9	129.0	129.3	131.9	125.5	117.5	111.7	111.3	114.1	112.9	119.2
Natural gas	43.2	43.9	48.9	49.2	51.9	52.9	64.3	59.7	53.9	57.7	61.9	69.9
Natural gas liquids	4.2	4.4	4.7	4.9	5.2	5.5	5.9	6.9	6.0	6.9	6.2	6.9
Coal	63.9	66.3	69.3	70.4	74.9	75.9	79.0	79.9	79.1	82.1	83.9	83.2
Hydroelectric power	13.5	15.0	15.5	18.7	17.9	19.2	19.4	19.9	19.9	20.2	20.9	20.7
Nuclear	2.2	3.9	5.4	6.5	6.7	7.5	8.9	9.4	10.5	12.3	19.9	19.4

Source: U.S. Energy Information Administration, *International Energy Annual*.

No. 944. Daily International Flow of Crude Oil, by Area: 1985

[In thousands of barrels per day]

EXPORTING AREA	Total	IMPORTING AREA						Japan	Other Far East and Oceania
		North America		Central and South America	Western Europe	Eastern Europe	Middle East and Africa		
		U.S.	Canada						
World total	22,321	3,391	273	1,499	5,199	3,991	1,179	3,391	2,979
North America	2,117	1,193	97	292	399	-	47	134	39
United States	204	(x)	21	199	-	-	-	-	23
Central and South America	1,151	477	91	312	229	1	2	11	91
Western Europe	2,393	910	94	27	1,912	2	15	-	7
Eastern Europe and Soviet Union	2,291	-	-	129	677	1,299	47	3	129
Middle East	8,191	345	10	599	2,249	999	921	2,299	1,421
Africa	4,921	912	51	172	2,953	199	929	42	73
Far East and Oceania	2,297	374	-	199	54	10	-	912	929

- Represents zero. X Not applicable. ¹ Includes shipments to Puerto Rico and Virgin IslandsSource: U.S. Energy Information Administration, *International Energy Annual*.

NO. 945. U.S. FOREIGN TRADE IN SELECTED MINERAL FUELS: 1970 TO 1987

[Btu = British thermal units. For Btu conversion factors, see text, section 19. Minus sign (-) indicates an excess of imports over exports. See also *Historical Statistics, Colonial Times to 1970*, series M 100, 101, 127, 128, 140, 141, 176, and 181]

YEAR	NATURAL GAS						CRUDE OIL					
	Imports		Exports		Net trade		Imports ¹		Exports		Net trade	
	Bil. cu. ft.	Tril. Btu	Bil. cu. ft.	Tril. Btu	Bil. cu. ft.	Tril. Btu	Mil. bbl.	Tril. Btu	Mil. bbl.	Tril. Btu	Mil. bbl.	Tril. Btu
1970	620.8	846	66.8	72	751.0	-774	483	2,814	5	25	-478	-2,785
1973	1,032.9	1,080	77.2	79	-955.7	-981	1,184	8,887	1	4	1,183	8,883
1974	959.3	965	76.8	78	-882.5	-907	1,269	7,395	1	6	1,268	-7,389
1975	953.0	976	72.7	74	-880.3	-904	1,498	8,721	2	12	-1,496	-8,709
1976	963.8	988	64.7	66	-899.1	-922	1,935	11,239	3	17	-1,932	-11,221
1977	1,011.0	1,037	55.6	58	-955.4	-981	2,414	14,027	18	106	2,396	13,921
1978	965.5	995	52.5	53	-913.0	-941	2,320	13,460	58	335	2,262	-13,125
1979	1,253.4	1,300	55.7	56	-1,197.7	-1,243	2,380	13,825	86	497	-2,294	-13,328
1980	984.8	1,006	48.7	49	-936.0	-957	1,926	11,195	105	609	-1,821	-10,586
1981	903.9	917	58.4	60	-844.8	-857	1,805	9,336	83	482	1,522	8,854
1982	933.3	950	51.7	52	-881.6	-896	1,273	7,418	86	500	1,187	-6,918
1983	919.8	942	54.6	55	-865.1	-887	1,215	7,079	80	348	-1,155	-6,731
1984	843.1	847	54.8	55	-788.3	-792	1,254	7,302	86	384	-1,188	-6,918
1985	949.2	951	55.3	56	-893.9	-893	1,188	6,814	75	432	-1,093	-6,382
1986	750.1	748	61.2	62	-688.9	-686	1,525	8,892	56	328	-1,469	-8,564
1987	988.0	985	60.0	60	-928.0	-925	1,706	10,068	55	310	-1,651	-9,749

	COAL						PETROLEUM PRODUCTS					
	Imports		Exports		Net trade		Imports		Exports		Net trade	
	1,000 sh. tons	Tril. Btu	1,000 sh. tons	Tril. Btu	1,000 sh. tons	Tril. Btu	Mil. bbl.	Tril. Btu	Mil. bbl.	Tril. Btu	Mil. bbl.	Tril. Btu
1970	36	1	71,733	1,936	71,997	1,936	785	4,656	89	520	676	-4,136
1973	127	3	53,587	1,425	53,400	1,422	1,089	6,578	84	482	-1,015	-6,087
1974	2,060	52	60,661	1,620	58,581	1,588	982	6,731	79	456	883	5,273
1975	940	24	66,309	1,761	65,369	1,738	712	4,227	74	427	-638	-3,800
1976	1,203	30	60,021	1,597	58,818	1,567	741	4,434	79	452	-682	-3,982
1977	1,847	41	54,312	1,442	52,665	1,401	800	4,728	70	408	-730	-4,321
1978	2,853	74	40,714	1,078	37,781	1,004	733	4,364	74	432	659	-3,932
1979	2,059	51	66,042	1,753	63,983	1,702	707	4,108	66	505	-621	-3,603
1980	1,194	30	91,742	2,421	90,548	2,391	603	3,463	94	551	-808	-2,912
1981	1,043	26	112,541	2,944	111,498	2,918	584	3,303	134	761	-450	-2,522
1982	742	19	108,277	2,767	107,535	2,766	593	3,359	211	1,224	382	2,135
1983	1,271	32	77,772	2,045	76,501	2,013	629	3,586	210	1,217	-419	-2,361
1984	1,266	32	81,482	2,151	80,196	2,119	736	4,131	199	1,161	-538	-2,970
1985	1,952	49	92,680	2,436	90,728	2,389	681	3,796	211	1,225	470	2,571
1986	2,212	55	85,518	2,246	83,306	2,183	747	4,199	230	1,344	-516	-2,855
1987	1,747	44	79,807	2,067	77,860	2,053	694	3,685	226	1,330	-468	-2,556

¹ Beginning 1977, includes strategic petroleum reserve imports.

Source: U.S. Energy Information Administration, *Annual Energy Review*.

NO. 946. CRUDE OIL IMPORTS INTO U.S., BY COUNTRY OF ORIGIN: 1970 TO 1987

COUNTRY OF ORIGIN	IMPORTS (mil. 42-gal. bbls.)															PERCENT DISTRIBUTION		
	1970	1973	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1970	1980	1987		
Total	483	1,184	1,498	2,320	2,380	1,926	1,806	1,273	1,215	1,264	1,188	1,525	1,796	100.0	100.0	100.0		
Canada	245	365	219	90	90	73	60	78	100	125	171	208	222	50.7	3.8	13.0		
Mexico	-	(2)	26	115	160	188	171	235	260	241	261	227	220	-	9.6	12.8		
Norway	-	-	5	38	28	53	42	37	24	41	11	19	25	-	2.7	1.5		
Trinidad-Tobago	(2)	22	42	52	45	42	37	34	30	32	36	34	27	(2)	2.2	1.6		
United Kingdom	-	-	-	62	72	63	135	161	133	136	102	116	111	-	3.3	6.5		
OPEC	222	787	1,171	1,892	1,894	1,414	1,067	633	546	583	479	771	878	46.0	72.4	61.3		
Algeria	2	44	96	231	222	187	95	33	64	71	31	26	42	4	6.7	2.5		
Ecuador	-	17	21	14	11	6	14	12	21	17	20	22	8	-	3	5		
Gabon	-	-	10	14	15	9	13	14	21	21	19	9	13	-	5	7		
Indonesia	26	73	136	195	139	115	116	62	115	111	107	108	96	5.4	6.0	5.6		
Iran	12	79	102	202	108	3	-	13	16	4	10	7	36	2.5	2	2.1		
Iraq	-	2	(2)	23	32	10	-	1	4	5	17	29	30	-	5	17		
Kuwait	12	15	1	2	2	10	-	1	3	9	1	10	26	2.5	5	1.6		
Libya	17	49	81	233	234	200	116	6	-	-	-	-	-	3.5	10.4	-		
Nigeria	17	164	272	332	360	306	223	186	110	76	102	160	193	3.5	18.0	11.3		
Qatar	-	3	7	23	11	8	3	3	-	1	-	4	-	-	4	-		
Saudi Arabia	15	169	250	417	462	458	406	194	117	113	46	226	234	3.1	23.8	13.7		
United Arab Emirates	23	26	43	141	103	63	26	30	7	33	13	14	21	4.8	3.3	1.2		
Venezuela	98	126	144	66	107	57	54	58	80	93	112	152	178	20.3	9.0	10.4		
Other	16	30	26	71	110	96	93	95	108	124	108	150	226	3.3	4.8	13.2		

- Represents zero. 2 Less than 500,000 or less than .05 percent.

Source: 1970-1975, U.S. Bureau of Mines, *Minerals Yearbook* and *Mineral Industry Surveys*; 1976-1980, U.S. Energy Information Administration, *Petroleum Statement*, annual; thereafter, U.S. Energy Information Administration, *Petroleum Supply Annual*.

No. 947. CRUDE OIL AND REFINED PRODUCTS SUMMARY: 1973 TO 1986

(Barrels of 42 gallons. Data are averages)

YEAR AND MONTH	CRUDE OIL (1,000 bbl. per day)					REFINED OIL PRODUCTS (1,000 bbl. per day)			Total oil imports ² (1,000 bbl. per day)	CRUDE OIL STOCKS ³ (mte bbl.)	
	Input to refiner- ies	Do- mestic pro- duction	Imports		Ex- ports	Do- mestic de- mand	Im- ports	Ex- ports		Total	Strat- egic re- serve
			Total ⁴	Strat- egic re- serve							
1973	12,431	9,208	3,244	(x)	2	17,308	3,012	229	6,298	242	(x)
1974	12,133	8,774	3,477	(x)	3	16,853	2,835	218	6,112	285	(x)
1975	12,442	8,375	4,105	(x)	6	16,322	1,951	204	6,056	271	(x)
1976	13,416	8,132	5,287	(x)	8	17,461	2,026	215	7,313	288	(x)
1977	14,802	8,245	6,815	21	50	18,431	2,183	183	8,807	348	7
1978	14,739	8,707	6,358	162	158	18,847	2,008	204	8,363	378	67
1979	14,648	8,562	6,518	67	235	18,513	1,837	236	8,458	430	91
1980	13,481	8,587	5,283	44	287	17,058	1,646	258	8,908	488	108
1981	12,470	8,572	4,305	256	228	16,058	1,589	387	5,986	584	230
1982	11,774	8,649	3,488	165	238	15,296	1,825	579	5,113	644	294
1983	11,085	8,686	3,328	234	184	15,231	1,722	875	5,081	723	379
1984	12,044	8,879	3,426	197	181	15,726	2,011	541	5,437	798	451
1985	12,002	8,971	3,201	118	204	15,726	1,866	577	5,067	814	483
1986	12,716	8,880	4,178	46	154	16,281	2,045	831	6,224	843	512
1987	12,854	8,349	4,674	73	151	16,885	2,004	613	6,678	880	541
1st qtr	12,314	8,446	4,015	78	189	16,575	2,031	625	6,046	852	520
2d qtr	12,788	8,371	4,425	71	143	16,456	1,823	582	6,248	855	527
3d qtr	13,328	8,222	5,307	68	136	16,710	2,102	577	7,408	871	534
4th qtr	12,975	8,359	4,931	74	156	16,918	2,058	688	6,989	880	541
1988 ⁴	13,152	8,274	4,806	50	188	16,910	2,018	841	6,924	913	580
1st qtr	12,925	8,321	4,870	46	184	17,443	2,171	872	6,871	889	545
2d qtr	13,378	8,227	5,112	53	143	16,777	1,865	811	6,977	913	580

X Not applicable. ¹ Includes Strategic Petroleum Reserve. ² Crude oil (including Strategic Petroleum Reserve imports) plus refined products. ³ End of year or quarter. ⁴ Preliminary.

Source: U.S. Energy Information Administration, *Monthly Energy Review*, April 1988.

No. 948. ENERGY PRODUCING COMPANIES—SELECTED FINANCIAL AND INVESTMENT INDICATORS: 1978 TO 1986

(Based on data from major publicly-owned domestic crude oil producing companies which either had at least one percent of domestic production or reserves of oil, natural gas, coal, or uranium, or at least one percent of refining capacity or petroleum product sales. There were 26 companies during 1978 through 1982, 25 in 1983, and 22 during 1984 through 1986)

ITEM	1978	1979	1980	1981	1982	1983	1984	1985	1986
INCOME STATEMENT (bil. dol.)									
Operating revenues	284.3	302.6	518.6	575.7	549.7	511.0	517.4	482.5	378.5
Operating expenses	285.0	345.8	455.9	520.8	504.2	482.8	487.3	444.2	364.4
Operating income	26.8	48.8	62.7	54.6	45.5	48.2	50.1	48.3	24.0
Pretax income	30.2	48.6	68.9	60.0	45.2	47.4	47.8	43.6	20.8
Net income	13.9	23.5	31.0	30.0	21.6	21.9	21.2	17.4	9.2
Funds from operations ¹	21.2	45.4	59.0	61.6	60.4	60.7	60.6	63.5	52.1
BALANCE SHEET (bil. dol.)									
Net property, plant, and equipment	136.1	158.3	186.9	224.9	265.5	278.4	292.4	287.7	291.1
Net investment in place ²	148.1	180.9	202.8	240.8	282.5	286.3	309.1	318.4	310.0
Total assets	237.1	282.8	333.0	372.5	411.9	421.8	449.9	438.4	427.0
RATIOS (percent)									
Net income to operating revenues	4.7	8.0	6.0	5.2	4.0	4.3	4.1	3.5	2.4
Net income to total assets	6.8	8.3	9.3	8.0	5.3	5.2	5.0	4.0	2.2
Net income to stockholders' equity	12.8	18.8	21.1	18.1	11.9	11.4	12.1	10.5	5.6
Long-term debt to stockholders' equity ³	35.6	38.7	31.5	32.2	27.1	24.8	48.5	54.3	58.0
Long-term debt to total assets ³	16.3	14.9	13.9	14.3	16.8	18.9	20.6	20.5	21.6

¹ The sum of net income, depreciation, depletion and amortization, deferred taxes, dry hole expenses, etc. ² Composed of net property, plant and equipment plus investment and advances to unconsolidated subsidiaries. ³ Long-term debt includes amounts applicable to capitalized leases.

Source: U.S. Energy Information Administration, *Performance Profiles of Major Energy Producers*, annual, and unpublished data.

NO. 949. PETROLEUM AND COAL PRODUCTS CORPORATIONS—SALES, NET PROFIT, AND PROFIT PER DOLLAR OF SALES: 1975 TO 1987

[Represents SIC group 29. Profit rates are averages of quarterly figures at annual rates beginning 1982, excludes estimates for corporations with less than \$250,000 in assets]

ITEM	Unit	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987 ¹
Sales	Bil. dol.	121.8	182.3	180.3	242.7	333.2	376.1	357.1	312.7	338.4	320.9	226.5	248.3
Net profit:													
Before income taxes	Bil. dol.	13.3	17.6	19.2	32.2	39.1	35.3	27.6	27.1	24.5	17.7	9.6	14.2
After income taxes	Bil. dol.	9.3	12.2	12.8	21.9	25.5	23.7	19.7	18.3	17.2	12.7	8.8	10.9
Depreciation ¹	Bil. dol.	5.6	6.6	7.7	9.5	11.6	13.7	16.3	17.5	20.7	22.1	21.9	20.3
Profits per dollar of sales:													
Before income taxes	Cents	10.9	11.0	10.6	13.3	11.7	9.4	7.8	8.7	7.2	5.5	4.1	5.8
After income taxes	Cents	7.6	7.5	7.1	9.0	7.7	6.3	5.5	6.2	5.1	4.0	3.8	4.5
Profits on stockholders' equity:													
Before income taxes	Percent	17.9	19.9	19.8	30.0	30.7	25.6	18.7	17.8	14.3	11.7	8.8	10.1
After income taxes	Percent	12.5	13.6	13.3	20.4	20.0	17.2	13.2	12.7	10.0	8.5	6.1	7.7

¹ Includes depletion and accelerated amortization of emergency facilities.

Source: Through 1981, U.S. Federal Trade Commission and, beginning 1982, U.S. Bureau of the Census, *Quarterly Financial Report for Manufacturing, Mining and Trade Corporations*.

NO. 950. MAJOR PETROLEUM COMPANIES—FINANCIAL DATA SUMMARY: 1973 TO 1987

[Data represent a composite of approximately 42 major worldwide petroleum companies aggregated on a consolidated, total company basis]

ITEM	1973	1975	1976	1979	1980	1981	1982	1983	1984	1985	1986	1987
FINANCIAL DATA (bil. dol.)												
Net income	11.8	11.6	16.0	32.8	32.9	29.2	21.1	20.6	22.7	19.4	10.8	13.5
Depreciation, depletion, etc.	10.5	11.3	19.8	24.9	32.5	34.9	37.2	37.4	45.3	53.0	43.7	42.1
Cash flow ¹	22.3	22.8	35.8	57.7	65.4	64.1	58.3	58.1	68.0	72.4	54.5	55.6
Dividends paid	4.0	4.7	6.8	9.0	9.3	10.6	10.6	10.5	11.8	12.0	12.1	12.6
Net internal funds available for investment or debt repayment ²	18.3	18.1	29.0	48.7	56.1	53.5	47.7	47.6	56.4	60.4	42.4	43.0
Capital and exploratory expenditures	16.3	25.9	37.1	51.1	62.1	79.2	67.8	60.7	67.5	58.3	38.3	45.0
Long-term capitalization	102.9	121.1	168.0	196.9	211.4	248.1	243.8	240.0	265.7	272.1	279.9	275.1
Long-term debt	22.5	28.9	45.1	48.1	48.8	59.2	62.5	61.0	96.8	93.5	95.5	83.1
Preferred stock	.4	.4	.9	.9	2.0	2.0	3.5	3.5	5.2	3.3	3.7	4.0
Common stock and retained earnings ³	80.0	91.8	122.0	147.9	160.6	186.9	177.7	175.5	164.7	175.3	180.7	188.0
Excess of expenditures over cash income ⁴	-2.0	8.9	8.1	1.4	6.0	25.7	20.1	3.1	1.1	2.1	3.0	6.4
RATIOS ⁵ (percent)												
Long-term debt to long-term capitalization	22.0	23.8	26.8	24.4	23.6	23.8	25.7	25.4	35.5	34.4	34.1	30.2
Net income to total average capital	12.0	10.0	9.9	17.6	17.0	10.4	8.8	8.8	8.6	7.0	4.0	4.9
Net income to average common equity	15.8	13.1	13.5	24.0	22.5	17.7	11.5	12.0	12.5	10.8	8.2	7.3

¹ Generally represents internally-generated funds from operations. Sum of net income and noncash charges such as depreciation, depletion, and amortization. ² Cash flow minus dividends paid. ³ Includes common stock, capital surplus, and earned surplus accounts after adjustments. ⁴ Capital and exploratory expenditures plus dividends paid minus cash flow.

⁵ Represents approximate year-to-year comparisons because of changes in the makeup of the group due to mergers and other corporate changes.

Source: Carl H. Pforzheimer & Co., New York, NY, *Comparative Oil Company Statements, 1987-1988*, and earlier reports.

NO. 951. ELECTRIC UTILITY SALES AND AVERAGE PRICES, BY END-USE SECTORS: 1970 TO 1987

[Prior to 1980, covers Class A and B privately-owned electric utilities; thereafter, Class A utilities whose electric operating revenues were \$100 million or more during the previous year]

YEAR	SALES (bil. kWh)				AVERAGE PRICE OF ELECTRICITY SOLD (cents per kWh)							
	Total ¹	Residential	Commercial	Industrial	Current dollars				Constant (1982) dollars ²			
					Total ¹	Residential	Commercial	Industrial	Total ¹	Residential	Commercial	Industrial
1970	1,382	488	307	571	1.67	2.22	2.08	1.02	3.96	5.29	4.95	2.43
1972	1,585	539	359	641	1.66	2.42	2.29	1.16	4.00	5.20	4.92	2.49
1973	1,713	579	386	686	1.96	2.54	2.41	1.25	3.88	5.13	4.87	2.53
1974	1,706	578	386	685	2.48	3.10	3.04	1.69	4.61	5.74	5.63	3.13
1975	1,747	588	403	686	2.92	3.51	3.45	2.07	4.92	5.82	5.82	3.49
1976	1,855	606	425	754	3.08	3.73	3.69	2.21	4.80	5.91	5.86	3.50
1977	1,948	645	447	786	3.42	4.05	4.09	2.50	5.09	6.02	6.06	3.71
1978	2,018	674	481	809	3.89	4.31	4.36	2.79	5.11	5.97	6.04	3.86
1979	2,071	683	473	842	3.99	4.64	4.66	3.05	5.06	6.00	5.85	3.88
1980	2,094	717	466	815	4.73	5.36	5.48	3.69	5.52	6.26	6.39	4.31
1981	2,147	722	514	826	5.46	6.20	6.29	4.29	5.81	6.60	6.69	4.58
1982	2,086	730	526	745	6.13	6.86	6.89	4.95	6.13	6.86	6.89	4.95
1983	2,151	751	544	776	6.30	7.16	7.02	4.96	6.08	6.91	6.79	4.77
1984	2,285	780	577	839	6.62	7.54	7.33	5.04	6.03	6.96	6.78	4.86
1985	2,328	794	606	836	6.71	7.79	7.47	5.16	6.02	6.99	6.70	4.63
1986	2,351	818	641	808	6.42	7.41	7.13	4.80	5.83	6.46	6.25	4.39
1987	2,466	850	672	847	6.32	7.41	7.00	4.72	5.39	6.31	5.99	4.02

¹ Includes other sectors not shown separately. ² Based on the GNP implicit price deflator; see table 751.

Source: U.S. Energy Information Administration, *Annual Energy Review*.

NO. 962. ELECTRIC UTILITY INDUSTRY—ELECTRIC ENERGY NET GENERATION, AND NET SUMMER CAPABILITY BY TYPE OF PRIME MOVER, AND CONSUMPTION OF FUELS: 1970 TO 1987

[Net Generation for calendar years; other data as of December 31. See also *Historical Statistics, Colonial Times to 1970 series S 32-52, S 78-82, and S 86-107*]

ITEM	Unit	1970	1975	1980	1981	1982	1982	1984	1986	1986	1987
NET GENERATION											
Total	BL kWh	1,532	1,918	2,286	2,286	2,341	2,319	2,416	2,479	2,487	2,572
Average annual change ¹	Percent	7.3	4.6	3.6	4	-2.3	3.1	4.6	2.2	7	3.4
Net generation, kWh per kW of net summer capability ²	Rate	4,554	3,903	3,952	3,836	3,652	3,720	3,805	3,771	3,734	3,809
Investor owned	BL kWh	1,183	1,487	1,783	1,786	1,712	1,764	1,849	1,918	1,928	2,022
Percent of total utilities	Percent	77.2	77.5	78.0	77.8	73.4	76.4	76.5	77.7	77.5	78.6
Publicly owned	BL kWh	349	431	503	500	530	546	567	552	559	550
Municipal	BL kWh	71	82	87	81	77	73	75	74	79	86
Federal	BL kWh	186	221	235	232	241	258	254	233	225	205
Cooperatives and other	BL kWh	91	128	182	188	212	215	239	245	255	258
Source of energy											
Coal ³	Percent	46.0	44.6	51.0	52.7	53.4	54.8	55.9	57.2	56.2	57.4
Nuclear	Percent	1.4	9.0	11.0	11.9	12.6	12.7	13.6	15.5	16.6	17.7
Oil	Percent	12.0	15.1	10.8	9.0	6.5	6.3	5.0	4.1	5.5	4.6
Gas	Percent	24.3	15.6	15.1	15.1	13.6	11.9	12.3	11.8	10.0	10.6
Hydro	Percent	16.2	15.6	12.1	11.4	13.8	14.4	13.3	11.4	11.7	9.7
Type of prime mover ⁴											
Hydro	BL kWh	248	300	276	261	309	332	321	281	291	250
Steam conventional ⁵	BL kWh	1,240	1,414	1,726	1,730	1,628	1,661	1,742	1,778	1,756	1,837
Gas turbine	BL kWh	18	22	24	22	14	14	15	14	14	16
Steam nuclear	BL kWh	22	173	251	273	263	294	326	384	414	455
Internal combustion	BL kWh	6	6	4	3	2	2	2	2	2	2
NET SUMMER CAPABILITY											
Total ⁶	ML kW	336	491	579	666	614	621	636	655	665	675
Average annual change ¹	Percent	7.2	7.9	3.4	3.4	2.6	1.2	2.3	3.2	1.5	1.6
Hydro	ML kW	64	78	82	82	83	84	85	89	89	90
Steam conventional ⁷	ML kW	248	333	397	411	421	425	431	437	441	442
Gas turbine	ML kW	13	37	43	43	44	43	44	44	43	43
Steam nuclear	ML kW	7	37	52	56	60	63	70	79	85	94
Internal combustion	ML kW	4	5	5	5	5	5	5	5	5	5
NUMBER OF PRIME MOVERS											
Prime movers, total ⁸	Number	9,717									
Hydro	Number	3,108									
Steam conventional	Number	2,813									
Gas turbine	Number	658	(NA)								
Steam nuclear	Number	16									
Internal combustion	Number	3,118									
CONSUMPTION OF FUELS											
Net generation by fuel ⁹	BL kWh	1,284	1,618	2,010	2,034	1,932	1,978	2,095	2,189	2,196	2,322
Average annual change ¹	Percent	7.7	3.3	2.2	1.2	-5.0	2.4	5.9	4.5	4	5.7
Coal	BL kWh	704	853	1,162	1,203	1,182	1,259	1,342	1,402	1,386	1,464
Percent of total	Percent	54.9	52.7	57.8	59.2	61.7	63.7	64.0	64.1	63.1	63.0
Petroleum	BL kWh	184	289	246	206	147	144	120	100	137	118
Gas	BL kWh	373	300	346	346	305	274	297	292	249	273
Nuclear	BL kWh	22	173	251	273	283	294	326	384	414	455
Fuel consumed:											
Total energy equivalent	Quad Btu	13.40	15.19	18.57	18.55	17.49	17.75	18.53	18.79	18.59	19.39
Coal	Mil. sh. tons	320	406	569	597	594	625	664	694	685	718
Oil	Mil. bbl.	339	506	421	352	251	247	206	174	232	199
Gas	BL cu ft.	3,932	3,158	3,682	3,640	3,226	2,911	3,111	3,044	2,602	2,844

NA Not available. ¹ Change from prior year shown, for 1970, change from 1960. For explanation of average annual percent change, see Guide to Tabular Presentation. ² Net summer capability is the steady hourly output that generating equipment is expected to supply to system load, exclusive of auxiliary power as demonstrated by test at the time of summer peak demand.

³ Includes small percentage (.5%) from wood and waste, geothermal, and petroleum coke. ⁴ A prime mover is the engine, turbine, water wheel, or similar machine which drives an electric generator. ⁵ Fossil fuels only. ⁶ Includes wind, solar thermal, and photovoltaic, not shown separately. ⁷ Includes fossil steam, wood, and waste. ⁸ Each prime mover type in combination plants counted separately. Includes geothermal, wind, and solar, not shown separately. ⁹ Includes small amounts of wood, waste, wind, geothermal, solar thermal, and photovoltaic.

Source: 1970, U.S. Federal Power Commission, *Electric Power Statistics*, and press releases; thereafter, U.S. Energy Information Administration, 1975 and 1980, *Power Production, Fuel Consumption, and Installed Capacity Data—Annual*, and unpublished data; thereafter, *Electric Power Annual*, *Annual Energy Review*, and unpublished data.

NO. 953. ELECTRIC UTILITY INDUSTRY—CAPABILITY, PEAK LOAD, AND CAPACITY MARGIN: 1970 TO 1987

[Excludes Alaska and Hawaii. Capability represents the maximum kilowatt output with all power sources available and with hydraulic equipment under actual water conditions, allowing for maintenance, emergency outages, and system operating requirements. Capacity margin is the difference between capability and peak load]

YEAR	CAPABILITY AT THE TIME OF—				NON-COINCIDENT PEAK LOAD		CAPACITY MARGIN			
	Summer peak load (1,000 kW)		Winter peak load ¹ (1,000 kW)		Sum- mer	Win- ter ¹	Summer		Winter	
	Amount	Change from prior year	Amount	Change from prior year			Amount (1,000 kW)	Per- cent of capa- bility	Amount (1,000 kW)	Per- cent of capa- bility
1970	326,900	² 26,800	339,060	² 27,800	274,650	248,660	52,250	18.0	80,500	26.7
1971	353,250	26,350	368,700	27,660	292,100	261,660	61,150	17.3	106,060	26.6
1972	361,700	26,450	364,060	27,360	319,150	290,660	62,560	18.4	103,100	26.2
1973	415,600	33,900	433,160	39,100	343,900	296,100	71,800	17.2	138,060	31.9
1974	444,400	28,900	487,400	34,260	349,260	302,500	96,150	21.4	164,900	36.3
1975	479,300	34,800	492,460	26,060	366,600	331,100	122,500	25.6	181,360	32.9
1976	496,750	19,450	511,000	18,660	370,900	349,660	127,650	25.6	181,160	31.5
1977	516,000	17,250	537,800	26,800	396,360	360,200	119,660	23.2	177,400	33.0
1978	545,700	29,700	561,660	23,660	406,060	363,100	135,660	24.9	178,460	31.6
1979 ³	544,506	1,194	554,526	7,026	396,424	366,676	148,062	26.6	186,646	33.5
1980	558,237	13,731	572,186	17,670	427,056	364,667	131,179	23.6	187,626	32.6
1981	572,219	13,982	586,666	14,374	426,296	391,106	143,624	25.2	186,766	32.2
1982	586,142	13,923	606,066	11,467	414,906	373,316	171,236	29.2	224,061	37.6
1983	596,446	10,307	612,463	14,367	447,526	410,779	146,623	25.0	201,674	32.9
1984	604,240	7,791	622,126	6,673	451,150	436,374	163,060	26.6	186,761	29.9
1985	621,667	17,367	636,476	14,360	460,603	423,660	161,064	26.9	212,616	33.4
1986	633,291	11,664	646,721	10,246	476,663	422,667	166,266	24.7	223,664	34.6
1987	647,632	14,641	662,677	16,266	483,662	446,277	164,240	23.6	214,700	32.4

¹ Prior to 1973, data was for the month of December comparable with prior years due to change in data source.

² Change from 1969.

³ Beginning 1978, data are not entirely

Source: Edison Electric Institute, Washington, DC, *Statistical Yearbook of the Electric Utility Industry*, annual.

NO. 954. ELECTRIC ENERGY—NET GENERATION AND INSTALLED GENERATING CAPACITY, BY STATE: 1960 TO 1987

[Capacity as of Dec. 31. Covers utilities for public use]

DIVISION AND STATE	NET GENERATION (BIL. KWH)				INSTALLED CAPACITY (MW. KW)		DIVISION AND STATE	NET GENERATION (BIL. KWH)				INSTALLED CAPACITY (MW. KW)	
	1960	1966	1967		1960	1967		1960	1966	1967		1960	1967
			Total	Per- cent from coal						Total	Per- cent from coal		
U.S.	2,266.4	2,467.3	2,672.1	66.9	613.6	719.1	S.A.—Con.						
NE	76.2	87.6	87.6	16.0	21.1	22.6	VA	34.3	42.6	42.7	48.3	11.7	13.6
ME	7.9	10.0	8.3	-	2.4	2.4	WV	70.6	77.6	78.4	99.2	15.2	15.2
NH	6.0	6.1	6.0	50.6	1.6	1.4	NC	72.1	76.6	76.6	66.9	15.6	20.6
VT	3.6	3.1	4.6	-	.9	1.1	SC	41.6	66.6	64.4	35.6	11.7	16.3
MA	34.6	34.6	34.7	33.6	6.6	10.0	GA	63.3	74.9	66.6	76.3	16.3	20.9
RI	1.0	7	6	2.4	.3	3	FL	96.9	106.6	110.6	49.3	29.0	36.7
CT	24.7	32.2	33.2	6.6	6.3	7.4	E.S.C.	214.1	216.9	217.6	61.2	63.3	62.0
MA	260.6	297.7	266.6	42.4	76.4	63.6	KY	67.1	66.9	67.6	66.4	13.6	16.6
NY	106.6	111.3	117.6	16.6	31.4	33.2	TN	60.2	66.6	66.3	67.0	16.9	16.3
NJ	29.4	26.6	39.3	16.9	12.6	14.7	AL	76.3	66.6	66.3	72.6	16.2	20.0
PA	122.6	147.6	146.4	69.7	34.4	36.9	MS	16.6	19.0	22.4	46.6	6.6	7.2
E.N.C.	367.0	414.6	436.2	76.4	107.9	120.7	W.S.O.	213.1	241.9	243.6	47.2	44.7	101.6
OH	110.2	111.6	119.7	93.0	27.4	27.6	AR	19.7	36.1	36.3	63.4	7.2	9.2
IN	70.6	77.3	76.6	96.6	17.1	21.6	LA	46.7	62.6	61.3	29.4	12.9	16.2
IL	103.4	106.9	109.9	62.7	29.9	36.0	OK	44.6	41.1	42.7	49.4	11.3	13.6
MI	74.6	76.1	67.0	61.7	22.7	24.1	TX	203.0	212.9	212.6	60.0	63.3	60.0
WI	37.6	42.6	44.0	70.6	10.7	11.6	MT	166.6	263.1	216.1	76.3	36.6	61.2
W.N.C.	166.2	166.1	166.2	74.4	46.0	66.0	ID	6.6	12.2	6.1	-	2.0	2.0
MN	31.6	26.4	34.4	62.6	6.6	9.3	WY	22.4	26.6	37.4	61.6	4.1	6.9
IA	21.6	24.1	25.6	66.0	7.3	6.6	CO	23.6	26.3	26.6	60.9	6.1	7.2
MO	46.9	64.2	66.1	66.7	13.6	16.6	NM	24.7	23.6	26.6	62.4	6.0	6.6
ND	16.6	22.2	22.6	61.2	3.4	4.7	AZ	36.9	61.2	61.6	49.1	6.4	16.7
SD	6.6	7.6	6.3	14.4	2.2	2.6	UT	12.1	16.6	26.3	66.7	2.1	6.1
NE	16.3	16.6	20.6	49.6	6.1	6.6	NV	14.1	20.0	17.4	60.7	3.9	4.6
KS	26.1	29.6	30.6	74.9	6.3	10.6	Pac	676.6	676.3	266.2	6.2	71.9	63.1
LA	417.6	463.6	606.6	62.2	111.6	136.7	WA	92.3	92.6	63.6	9.6	23.0	24.1
DE	6.7	6.4	6.6	66.1	1.6	1.6	OR	36.6	47.6	39.7	-	6.6	10.4
MD	32.2	37.7	36.3	67.9	9.2	10.6	CA	140.3	121.9	130.3	-	37.6	46.4
DC	7	2	2	-	1.2	9	AK	3.1	4.3	4.1	6.4	1.1	1.7
							HI	6.6	6.9	7.2	-	1.4	1.6

- Represents or rounds to zero.

Source: U.S. Energy Information Administration, 1986, *Power Production, Fuel Consumption, and Installed Capacity Data*, annual; thereafter, *Electric Power Annual and Inventory of Power Plants in the United States*, annual.

**NO. 955. ELECTRIC UTILITY GENERATING UNITS BY PRIME MOVER AND NAMEPLATE CAPACITY:
1970 TO 1987**

[Capacity as of Dec. 31. Several generating units of one or more prime movers may be located at a generating plant. For definition of prime mover, see table 952, footnote 3]

TYPE AND SIZE OF PRIME MOVER	INVESTOR OWNED						PUBLICLY OWNED					
	Number of units			Nameplate capacity (mil. kW)			Number of units			Nameplate capacity (mil. kW)		
	1970	1980	1987	1970	1980	1987	1970	1980	1987	1970	1980	1987
Total	5,306	6,148	5,577	257.3	491.6	592.8	4,319	4,839	4,729	79.1	149.3	195.3
Steam, conventional	1,843	1,957	1,999	215.3	394.8	399.3	970	975	795	37.9	64.8	61.9
Under 100,000 kW.....	1,209	980	999	45.6	40.8	32.0	759	694	539	12.2	13.5	13.3
100,000-500,000 kW.....	594	759	739	139.0	182.4	195.4	110	164	193	20.4	34.8	46.5
Over 500,000 kW.....	70	239	277	49.2	161.6	190.9	7	27	39	5.2	16.4	25.0
Steam, nuclear	15	54	97	6.9	47.1	39.5	1	10	12	1.3	8.5	12.2
Over 500,000 kW.....	7	59	91	4.4	45.4	39.0	1	9	12	1.3	8.5	12.2
Hydro	2,036	2,036	2,155	19.1	24.9	29.2	1,072	1,207	1,239	36.1	53.7	59.6
Gas turbine	597	1,171	1,122	14.0	42.1	41.9	71	279	299	1.9	9.7	10.9
Over 25,000 kW.....	115	519	511	5.7	30.0	30.4	-	127	139	1.0	7.1	8.0
Internal combustion	913	939	902	1.5	1.7	1.4	2,306	2,571	2,315	2.9	3.9	3.7
Under 5,000 kW.....	797	912	579	1.9	1.4	1.1	2,279	2,494	2,207	2.7	3.1	2.9
Over 5,000 kW.....	16	27	29	.2	.4	.3	29	67	109	.3	.7	.9
Other¹	4	16	32	.1	1.0	1.6	-	-	15	-	-	1

- Represents zero. ¹ Includes geothermal, wind, and solar.

Source: U.S. Energy Information Administration, unpublished data.

NO. 956. ELECTRIC ENERGY SALES, BY CLASS OF SERVICE, 1970 TO 1987, AND BY STATE, 1987

[in billions of kilowatt-hours]

YEAR, DIVISION, AND STATE	Total ¹	Residential	Commercial	Industrial	DIVISION AND STATE	Total ¹	Residential	Commercial	Industrial
1970.....	1,392.3	499.3	306.7	570.9	South Atlantic.....	470.5	199.7	126.4	139.3
1975.....	1,712.9	579.2	399.3	695.1	Delaware.....	7.0	2.3	1.9	2.8
1980.....	2,094.4	717.5	499.2	815.1	Maryland ²	53.9	16.9	14.9	19.4
1981.....	2,147.1	722.3	514.3	825.7	Virginia.....	95.9	29.6	17.7	14.5
1982.....	2,096.4	729.5	525.4	744.9	West Virginia.....	21.1	7.3	4.6	9.1
1983.....	2,151.0	750.9	543.9	779.0	North Carolina.....	78.9	29.9	19.5	29.2
1984.....	2,279.4	777.7	578.3	840.8	South Carolina.....	52.0	16.9	10.3	19.5
1985.....	2,309.5	791.0	599.0	824.5	Georgia.....	99.9	25.3	19.3	24.6
1986.....	2,350.6	817.7	641.5	890.3	Florida.....	122.1	60.2	41.2	19.9
1987, total.....	2,465.4	849.9	673.7	940.3	East South Central.....	395.7	75.0	49.3	19.5
New England	97.0	35.9	34.3	26.9	Kentucky.....	51.3	16.3	8.9	23.6
Maine.....	10.7	3.7	2.5	4.3	Tennessee.....	70.5	27.7	18.5	23.4
New Hampshire.....	8.4	3.3	1.8	3.2	Alabama.....	56.0	19.9	11.6	24.0
Vermont.....	4.3	1.7	1.5	1.1	Mississippi.....	27.8	11.2	7.1	8.9
Massachusetts.....	42.1	14.5	16.9	9.6	West South Central.....	334.7	117.4	95.0	139.2
Rhode Island.....	5.9	2.2	2.2	1.4	Arkansas.....	23.6	9.6	5.5	7.9
Connecticut.....	25.7	9.7	9.4	6.2	Louisiana.....	59.1	19.9	12.7	23.1
Middle Atlantic	395.4	99.5	93.3	95.5	Oklahoma.....	39.4	14.0	9.9	10.7
New York.....	119.5	35.4	44.1	29.9	Texas.....	215.7	74.1	57.0	78.6
New Jersey.....	59.6	19.3	23.3	15.6	Mountain	144.5	45.6	42.9	49.9
Pennsylvania.....	107.2	35.9	29.0	44.0	Montana.....	12.6	3.4	2.9	5.4
East North Central	439.6	139.3	99.9	199.3	Idaho.....	16.2	5.2	4.9	6.4
Ohio.....	130.1	39.9	27.6	61.6	Wyoming.....	10.9	1.7	1.7	7.3
Indiana.....	99.9	21.2	14.7	30.2	Colorado.....	29.0	9.9	12.2	9.3
Illinois.....	106.0	32.2	27.7	37.7	New Mexico.....	12.4	3.3	3.9	4.2
Michigan.....	79.3	24.3	18.9	33.1	Arizona.....	35.6	13.9	11.6	8.7
Wisconsin.....	45.5	15.7	10.7	19.2	Utah.....	13.5	4.0	4.1	4.5
West North Central	173.7	65.9	45.1	69.0	Nevada.....	13.1	4.5	2.0	8.0
Minnesota.....	41.9	14.0	7.3	19.9	Pacific	317.4	109.9	99.9	109.9
Iowa.....	27.2	10.3	6.0	10.2	Washington.....	79.0	26.0	18.7	31.7
Missouri.....	50.0	20.4	15.9	12.9	Oregon.....	39.5	13.9	10.5	14.0
North Dakota.....	6.9	2.9	1.4	2.0	California.....	190.3	60.5	69.2	63.3
South Dakota.....	6.1	2.9	1.2	1.7	Alaska.....	3.4	1.2	1.6	.5
Nebraska.....	16.9	6.6	4.9	4.0	Hawaii.....	7.2	2.0	1.9	3.3
Kansas.....	24.9	8.7	8.4	7.4					

¹ Includes other service, not shown separately. ² Includes District of Columbia.

Source: U.S. Energy Information Administration, *Electric Power Annual*, 1987.

NO. 957. ELECTRIC UTILITIES—GENERATION, SALES, REVENUE, AND CUSTOMERS: 1970 TO 1987

(Sales and revenue are to and from ultimate customers)

CLASS	Unit	1970	1975	1976	1979	1980	1981	1982	1983	1984	1985	1986, prel.	1987, prel.
Generation ¹	Bil. kWh	1,532	1,918	2,208	2,247	2,288	2,295	2,241	2,310	2,416	2,470	2,487	2,572
Sales ²	Bil. kWh	1,391	1,733	2,018	2,064	2,126	2,181	2,100	2,180	2,261	2,310	2,361	2,443
Residential or domestic	Bil. kWh	448	586	679	696	734	730	733	750	783	791	822	850
Percent of total	Percent	32.2	33.8	33.7	33.4	34.5	34.0	34.9	34.7	34.3	34.2	34.8	34.8
Commercial ³	Bil. kWh	313	418	481	485	524	522	517	546	578	609	623	658
Industrial ⁴	Bil. kWh	573	662	782	816	794	820	770	783	835	824	818	847
Revenue ²	Bil. dol	22.1	46.9	69.9	79.8	95.8	110.8	121.6	129.6	143.1	149.8	153.1	164.8
Residential or domestic	Bil. dol	9.4	18.8	27.4	30.8	37.8	42.4	47.2	51.2	56.1	59.0	61.2	63.2
Percent of total	Percent	42.7	40.1	39.2	38.7	39.4	38.3	38.8	39.5	39.2	39.4	40.0	40.5
Commercial ³	Bil. dol	6.3	13.5	19.7	22.3	27.4	31.3	34.2	37.1	41.3	44.2	45.8	48.8
Industrial ⁴	Bil. dol	6.4	12.7	20.3	23.8	27.3	33.0	35.9	38.8	40.8	41.4	40.8	40.8
Ultimate customers, Dec. 31 ²	Million	72.5	81.8	87.7	88.8	92.7	94.0	95.3	97.0	98.4	101.5	103.8	105.8
Residential or domestic	Million	64.0	72.8	77.8	79.8	82.2	83.3	84.4	85.8	87.9	89.7	91.5	93.2
Commercial ⁵	Million	7.9	8.8	9.1	9.4	9.7	9.8	10.0	10.3	10.6	10.7	11.2	11.5
Industrial ⁶	Million	.4	.4	.5	.5	.5	.5	.5	.5	.5	.7	.5	.5
Avg. kWh used per customer	1,000	19.4	21.4	23.3	23.8	23.2	23.0	22.2	22.8	23.2	23.0	23.0	23.3
Residential	1,000	7.1	8.2	8.8	8.8	9.0	8.8	8.7	8.8	9.0	9.0	9.1	9.2
Commercial ³	1,000	40.0	49.0	53.1	53.2	54.5	53.4	52.3	53.8	55.2	57.4	57.9	58.0
Avg. annual bill per customer	Dollar	307	578	807	887	1,040	1,184	1,288	1,348	1,453	1,486	1,492	1,600
Residential	Dollar	149	262	357	391	482	512	563	602	644	663	675	683
Commercial ³	Dollar	604	1,560	2,177	2,394	2,848	3,207	3,452	3,660	3,940	4,171	4,183	4,124
Avg. revenue per kWh sold	Cents	1.89	2.70	3.46	3.82	4.48	5.14	5.79	6.00	6.27	6.47	6.48	6.38
Residential	Cents	2.10	3.21	4.03	4.43	5.12	5.80	6.44	6.83	7.17	7.40	7.44	7.43
Commercial ³	Cents	2.01	3.23	4.10	4.50	5.22	6.00	6.81	6.80	7.14	7.27	7.23	7.11
Industrial ⁴	Cents	.85	1.92	2.59	2.91	3.44	4.03	4.66	4.66	4.68	5.04	5.00	4.79

¹ Source: 1970-1975, U.S. Federal Power Commission; thereafter, U.S. Energy Information Administration, *Monthly Energy Review*, January 1988. ² Includes other types not shown separately. ³ Small light and power. ⁴ Large light and power.

Source: Except as noted, Edison Electric Institute, Washington, DC, *Statistical Yearbook*.

NO. 958. ELECTRIC UTILITIES—BALANCE SHEET AND INCOME ACCOUNT OF PRIVATELY OWNED COMPANIES: 1970 TO 1986

(In billions of dollars. As of Dec. 31. See also *Historical Statistics, Colonial Times to 1970*, series S 133-146 and V 167-212)

ITEM	CLASS A AND B INVESTOR-OWNED ELECTRIC UTILITIES ¹						MAJOR INVESTOR-OWNED ELECTRIC UTILITIES ²					
	1970	1976	1978	1979	1980	1981	1981	1982	1983	1984	1985	1986
COMPOSITE BALANCE SHEET												
Assets and other debits	67.4	157.1	211.1	234.9	290.0	398.0	386.1	316.0	342.4	378.6	404.7	428.1
Electric utility plant ³	93.3	160.7	218.0	242.3	286.9	292.7	291.6	321.2	347.9	377.2	398.9	418.6
Depreciation and amortization	20.3	31.9	44.5	48.7	55.5	61.5	61.1	67.8	74.3	81.9	85.1	89.9
Net electric utility plant	73.1	128.8	173.5	193.6	231.5	231.2	230.5	253.6	273.6	295.3	311.6	328.6
Other utility plant	9.0	11.7	13.2	13.9	14.6	15.7	15.7	16.7	17.5	18.3	19.8	21.2
Depreciation and amortization	2.1	3.1	3.9	4.2	4.5	4.9	4.9	5.3	5.8	6.1	6.5	7.2
Net other utility plant	6.9	8.6	9.3	9.7	10.3	10.8	10.8	11.4	11.8	12.2	13.4	14.0
Total utility plant	102.3	172.4	231.2	256.2	291.7	308.4	307.3	337.9	365.5	395.5	431.1	456.9
Depreciation and amortization	22.3	35.0	48.4	53.9	60.0	66.4	66.0	72.9	80.1	88.0	97.4	107.7
Net total utility plant	79.9	137.4	182.8	202.3	221.7	242.0	241.3	265.0	285.4	307.5	333.6	348.2
Other property and investments	1.7	4.5	6.4	8.0	8.5	7.9	7.9	8.1	10.3	10.9	12.1	13.5
Current and accrued assets	5.3	13.5	18.9	22.4	26.2	28.7	28.6	31.7	33.3	37.9	39.4	38.4
Deferred debits	.4	1.7	3.0	4.1	5.5	7.3	7.3	9.3	13.4	19.3	19.4	28.1
Liabilities and other credits ⁴	87.4	157.1	211.1	234.8	290.0	398.0	386.1	316.0	342.4	378.6	404.7	428.1
Capital stock	20.8	37.8	49.1	53.8	59.3	63.9	63.7	70.3	75.9	79.0	82.6	81.6
Other paid-in capital	4.4	11.5	17.9	19.4	21.5	24.0	23.9	27.7	31.0	33.3	35.5	37.6
Retained earnings	9.4	14.7	19.4	21.0	22.7	25.0	24.6	27.9	31.9	37.1	41.1	48.0
Subsidiary earnings ⁵	(X)	.6	.9	1.0	1.1	1.3	1.3	1.6	1.7	2.0	2.2	2.3
Long-term debt	41.9	70.8	86.3	98.7	105.3	115.5	115.2	124.0	131.6	140.7	152.7	157.2
Current and accrued liabilities	7.9	13.7	18.3	23.4	26.3	28.4	28.1	28.6	29.5	32.0	32.0	34.0
Deferred credits and operating reserves	.9	2.7	7.1	8.7	9.8	11.6	11.0	15.1	16.6	18.0	20.9	22.4
Deferred income taxes ⁶	2.2	5.4	10.0	11.9	14.1	16.7	16.6	19.4	23.6	28.1	32.7	39.6
COMPOSITE INCOME ACCOUNTS												
Electric operating revenues	19.8	44.6	55.4	72.9	87.1	102.3	101.7	108.3	116.7	126.3	135.3	138.3
Electric operating expenses	15.3	39.1	54.3	61.0	73.4	86.0	85.5	91.1	96.2	105.5	111.1	110.2
Net electric operating revenue	4.5	8.5	11.1	11.8	13.6	16.3	16.2	18.1	20.5	22.8	24.1	26.1
Other utility operating income	.4	.5	.7	.7	.7	.9	.7	.9	.9	.1	1.2	1.1
Total utility operating income	4.9	9.0	11.7	12.5	14.4	17.0	17.0	19.0	21.4	24.0	25.3	27.2
Other income	.8	2.2	2.5	3.1	3.6	4.4	4.4	5.3	6.5	6.8	7.4	7.2
Total income	5.7	11.3	14.3	15.6	18.0	21.4	21.3	24.4	28.0	30.8	32.7	34.4
Income deductions	2.3	5.1	5.5	6.1	7.3	8.7	8.7	9.4	10.1	11.1	14.0	14.0
Net income ⁷	3.4	6.1	8.7	9.5	10.7	12.7	12.7	15.0	17.9	19.7	18.7	20.4

X Not applicable. ¹ There were 187 utilities of this type in 1983. ² There were 182 utilities of this type in 1986.

³ Includes construction work in progress. ⁴ Includes contributions in aid of construction through 1970.

⁵ Unappropriated undistributed. ⁶ Cumulative. ⁷ Beginning 1975, includes net extraordinary income.

Source: 1970-1975, U.S. Federal Power Commission and 1976-1981, U.S. Energy Information Administration, *Statistics of Privately Owned Electric Utilities in the United States*, annual; thereafter, U.S. Energy Information Administration, *Financial Statistics of Selected Electric Utilities*, annual.

NO. 955. NUCLEAR POWER PLANTS—NUMBER, CAPACITY, AND GENERATION: 1965 TO 1987

ITEM	1965	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987, prel.
Operable generating units ¹	6	16	54	69	70	74	77	80	86	95	100	107
Net summer capability ^{1,2} (mil. kW)	.8	7.0	37.2	49.6	61.7	65.8	69.9	69.0	69.7	79.4	85.2	93.7
Electricity generated (bil. kWh)	4	22	173	255	251	273	263	294	329	364	414	455
Percent of total electric utility generation	.4	1.4	9.0	11.4	11.0	11.9	12.8	12.7	13.6	15.5	16.6	17.7
Capacity factor ³	(NA)	(NA)	59.0	59.5	59.4	59.4	59.7	54.4	59.3	57.9	59.9	57.4

NA Not available. ¹ As of yearend. ² Net summer capability is the peak steady hourly output that generating equipment is expected to supply to system load, exclusive of auxiliary and other powerplant, as demonstrated by test at the time of summer peak demand. ³ Weighted average of monthly capacity factors. Monthly factors are derived by dividing actual monthly generation by the maximum possible generation for the month (hours in month times net maximum dependable capacity).
Source: U.S. Energy Information Administration, *Annual Energy Review*.

NO. 960. COMMERCIAL NUCLEAR POWER GENERATION, BY COUNTRY: 1970 TO 1987

[Generation for calendar years; other data as of December. Excludes Communist countries]

COUNTRY	REACTORS				ELECTRICITY GENERATED ¹ (bil. kWh)				GROSS CAPACITY (1,000 kW)			
	1970	1980	1985	1987	1970	1980	1985	1987	1970	1980	1985	1987
Total	64	306	396	336	73.9	617.8	1,399.6	1,491.7	16,186	126,847	223,486	271,145
U.S.	15	74	89	106	23.2	205.2	399.1	480.9	5,211	60,529	60,327	99,702
Argentina	-	1	2	2	-	2.3	4.8	6.5	-	367	1,006	1,006
Belgium	1	3	7	7	.3	12.5	34.5	42.0	11	1,744	5,709	5,716
Brazil	-	-	1	1	-	-	3.4	.1	-	-	657	657
Canada	1	9	15	19	.9	40.4	62.9	60.6	220	5,669	10,332	12,864
China: Taiwan	-	2	6	6	-	8.2	28.7	33.1	-	1,272	5,148	5,146
Great Britain	27	93	37	36	26.6	37.2	59.6	56.2	4,793	9,012	12,280	12,940
Finland	-	4	4	4	-	7.0	16.8	19.4	-	2,296	2,400	2,400
France	4	22	44	53	5.7	61.2	224.0	205.5	1,806	15,412	36,595	52,095
India	2	4	5	5	2.2	2.6	4.4	6.5	400	-	1,095	1,330
Italy	3	4	3	3	3.3	2.2	7.0	.2	631	1,460	1,330	1,330
Japan	3	22	39	36	3.3	81.0	162.0	166.2	829	15,117	24,666	29,048
Netherlands	1	2	2	2	.4	4.2	3.9	3.6	56	529	540	540
Palatka	-	1	1	1	-	1	.3	.3	-	137	137	137
South Africa	-	-	2	2	-	-	6.7	6.6	-	-	1,930	1,930
South Korea	-	1	4	7	-	3.5	19.5	37.8	-	697	2,896	5,808
Spain	1	3	8	6	.6	5.2	29.0	41.2	-	1,117	5,812	6,812
Sweden	1	8	12	12	(2)	26.7	59.8	67.2	12	5,770	9,915	10,086
Switzerland	1	4	5	5	1.9	14.3	22.4	23.0	364	2,034	3,079	3,079
West Germany	4	11	16	19	5.3	43.7	125.7	130.5	907	8,996	16,912	19,848
Yugoslavia	-	-	1	1	-	-	4.1	4.5	-	-	664	664

- Represents zero. Z Less than 50 million kWh. ¹ Gross.Source: McGraw-Hill, Inc., New York, NY, *Nuclear Week*, January issues. (Copyright.)

NO. 961. URANIUM SUPPLY, ENRICHMENT, AND DISCHARGED COMMERCIAL REACTOR FUEL: 1970 TO 1987

[Years ending Dec. 31, except as noted. For explanation of kilogram, see weights and measures]

ITEM	Unit	1970	1975	1980	1981	1982	1985	1984	1986	1988	1987
URANIUM (U₃O₈)											
Production	MIL lb.	26.81	23.80	43.70	39.47	29.87	21.16	14.66	11.31	13.51	13.01
Exports	MIL lb.	4.20	1.00	5.80	4.40	6.30	3.30	2.30	5.30	1.80	1.09
Imports	MIL lb.	-	1.40	3.60	8.60	17.10	9.30	12.60	11.70	13.60	14.60
Delivered price	Doll/lb.	(NA)	10.60	20.00	32.30	39.37	39.21	32.65	31.49	30.01	27.37
ENRICHMENT											
Enriched product ¹	MIL. Swu ²	5.10	9.92	10.69	11.80	12.36	³ 6.48	⁴ 11.2	⁴ 10.2	⁴ 6.6	⁴ 6.1
For domestic customers	MIL. Swu ²	3.74	4.36	6.69	7.19	6.69	³ 4.96	⁴ 6.9	⁴ 6.0	⁴ 4.9	⁴ 3.4
For foreign customers	MIL. Swu ²	1.36	5.56	3.80	4.31	6.67	³ 3.77	⁴ 6.4	⁴ 4.2	⁴ 3.7	⁴ 4.7
Sales	MIL. dol	(NA)	376	1,379	1,446	2,195	2,329	⁴ 1,467	⁴ 1,403	⁴ 1,095	⁴ 921
DISCHARGED COMMERCIAL REACTOR FUEL⁵											
Annual discharge	Metric tons	62	469	1,193	1,077	1,014	1,224	1,267	1,330	1,431	1,515
Inventory, yearend ⁶	Metric tons	110	1,536	8,434	7,511	8,825	9,749	11,008	12,481	13,881	(NA)
On-site storage	Metric tons	(NA)	(NA)	(NA)	7,082	8,046	9,300	10,642	11,963	13,267	(NA)
Off-site storage	Metric tons	(NA)	(NA)	(NA)	479	479	449	364	529	614	(NA)

- Represents zero. NA Not available. ¹ Based on sales. ² Separative work units. The standard measure of enrichment services is based on operating tails assay in effect at the time the enriched product was placed in inventory.
³ Jan.-Sept. only. ⁴ Fiscal years. ⁵ Uranium content. Source: Nuclear Assurance Corporation, Atlanta, GA. ⁶ Represents fuel not included in inventory.

Source: Except as noted, U.S. Energy Information Administration, *Annual Energy Review*, Uranium Industry Account as unpublished data.

No. 962. NUCLEAR POWER PLANTS—NUMBER OF UNITS, NET SUMMER CAPABILITY, AND NET GENERATION, BY STATE: 1987

DIVISION AND STATE	Num-ber of units	NET SUMMER CAPABILITY		NET GENERATION		DIVISION AND STATE	Num-ber of units	NET SUMMER CAPABILITY		NET GENERATION	
		Nu-clear, total (mil. kW)	Per-cent of total ¹	Nu-clear, total (mil. kWh)	Per-cent of total ¹			Nu-clear, total (mil. kW)	Per-cent of total ¹	Nu-clear, total (mil. kWh)	Per-cent of total ¹
U.S.....	107	93.8	13.9	455,270	17.7	So. Atl.—Con.					
N. Eng.....	8	5.4	24.4	29,258	33.3	WV.....	-	-	-	-	-
ME.....	1	.8	35.8	4,043	48.4	NC.....	5	4.7	23.7	28,600	36.3
NH.....	-	-	-	-	-	SC.....	7	6.4	43.0	39,290	61.0
VT.....	1	.5	45.3	3,536	78.3	GA.....	3	2.6	13.9	15,259	17.8
MA.....	2	.8	8.5	1,136	3.3	FL.....	5	3.7	11.7	18,773	16.9
RI.....	-	-	-	-	-	E. So. Cent.....	8	8.3	14.3	18,857	6.7
CT.....	4	3.2	45.3	20,540	61.9	KY.....	-	-	-	-	-
Mld. Atl.....	18	16.3	21.3	80,808	26.7	TN.....	2	2.3	13.5	² - 106	(x)
NY.....	6	4.8	15.6	22,926	19.5	AL.....	5	4.9	25.8	11,248	16.2
NJ.....	4	3.9	26.8	22,697	57.7	MS.....	1	1.1	16.5	7,717	34.5
PA.....	8	7.7	23.7	34,882	24.1	W. So. Cent.....	4	3.7	3.8	23,893	6.9
E. No. Cent.....	22	19.1	17.3	83,407	19.0	AR.....	2	1.7	17.8	11,369	31.3
OH.....	2	2.0	7.9	7,513	6.3	LA.....	2	2.0	11.8	12,324	24.0
IN.....	-	-	-	-	-	OK.....	-	-	-	-	-
IL.....	12	11.5	36.1	50,194	45.7	TX.....	-	-	-	-	-
MI.....	5	4.0	17.9	14,389	16.5	Mt.....	4	4.0	8.2	13,632	8.3
WI.....	3	1.5	13.7	11,311	25.7	MT.....	-	-	-	-	-
W. No. Cent.....	8	5.6	10.4	35,421	18.1	ID.....	-	-	-	-	-
MN.....	3	1.6	18.1	11,554	33.6	WY.....	-	-	-	-	-
IA.....	1	.5	6.4	2,523	9.9	CO.....	1	.2	3.1	174	.6
MO.....	1	1.2	7.7	6,284	11.4	NM.....	-	-	-	-	-
ND.....	-	-	-	-	-	AZ.....	3	3.8	26.2	13,458	26.1
SD.....	-	-	-	-	-	UT.....	-	-	-	-	-
NE.....	2	1.2	22.7	8,589	41.9	NV.....	-	-	-	-	-
KS.....	1	1.1	11.9	6,471	21.0	Pac.....	9	6.7	10.4	40,263	15.2
So. Atl.....	26	22.6	18.0	180,137	26.7	WA.....	2	1.9	7.8	5,528	6.6
DE.....	-	-	-	-	-	OR.....	1	1.1	9.8	4,348	10.9
MD.....	2	1.7	17.2	10,070	27.8	CA.....	6	5.6	12.6	30,367	23.3
DC.....	-	-	-	-	-	AK.....	-	-	-	-	-
VA.....	4	3.4	28.4	18,145	42.5	HI.....	-	-	-	-	-

- Represents zero. X Not applicable. ¹ For total capability and generation, see table 954. ² Negative generation denotes that electric power consumed for plant use exceeds gross generation.

Source: U.S. Energy Information Administration, *Electric Power Annual*, and *Inventory of Power Plants in the United States 1987*.

No. 963. PRIVATELY OWNED GAS UTILITY INDUSTRY—BALANCE SHEET AND INCOME ACCOUNT: 1970 TO 1986

[In millions of dollars. The gas utility industry consists of pipeline and distribution companies. Excludes operations of companies distributing gas in bottles or tanks. See also *Historical Statistics, Colonial Times to 1970*, series S 205-218]

ITEM	1970	1975	1970	1989	1961	1962	1969	1964	1966	1968
COMPOSITE BALANCE SHEET										
Assets, total ¹	34,929	50,286	70,246	75,729	86,894	95,003	100,499	96,933	104,478	104,011
Total utility plant.....	38,541	49,384	62,710	66,767	72,917	78,479	82,038	83,118	88,121	91,667
Depreciation and amortization.....	10,696	16,779	24,400	26,062	26,906	31,366	34,208	35,542	36,377	36,804
Utility plant (net).....	27,845	32,606	38,310	40,705	44,009	47,091	47,360	47,576	51,744	54,863
Investment and fund accounts ¹	3,024	9,196	14,097	15,625	19,368	20,750	21,531	21,872	23,871	21,826
Current and accrued assets.....	3,674	7,543	15,427	17,211	20,563	23,576	27,571	25,367	24,771	21,477
Deferred debits ²	386	940	2,411	2,184	2,954	3,586	3,567	4,118	4,092	5,843
Liabilities, total ¹	34,929	50,286	70,246	75,729	86,894	95,003	100,499	96,933	104,478	104,011
Capitalization, total ¹	28,846	39,044	48,165	51,269	57,512	62,390	65,040	64,458	65,799	66,691
Capital stock ¹	12,965	19,500	27,135	29,262	33,041	36,161	36,486	36,959	39,517	39,901
Long-term debts.....	15,881	19,544	21,030	22,037	24,471	26,229	28,552	25,499	26,282	26,790
Current and accrued liabilities.....	4,832	8,158	16,024	18,107	22,134	23,609	25,150	23,043	26,125	23,815
Deferred income taxes ³	788	2,052	3,798	4,144	4,972	5,473	6,537	7,000	7,769	8,365
Other liabilities and credits.....	663	1,032	2,257	2,175	2,276	3,331	3,772	4,432	4,785	5,140
COMPOSITE INCOME ACCOUNT										
Operating revenues, total.....	16,380	30,560	66,931	66,807	101,593	115,673	116,096	115,491	103,945	80,971
Operating expenses ⁴	14,306	27,480	62,687	61,517	96,917	110,259	110,142	109,165	96,320	75,468
Operation and maintenance.....	11,636	22,957	56,281	74,433	89,108	101,548	100,495	96,953	88,572	66,053
Federal, State, and local taxes.....	1,569	2,763	4,294	4,653	5,056	5,694	6,506	7,148	6,590	6,109
Operating income.....	2,074	3,070	4,043	4,290	4,676	5,414	5,954	6,326	5,625	5,503
Utility operating income.....	2,159	3,221	4,298	4,633	5,067	5,819	6,303	6,647	6,030	5,936
Income before interest charges ¹	2,457	4,137	6,303	7,112	6,369	8,742	8,717	9,068	7,638	7,071
Net income ¹	1,427	2,502	4,208	4,377	5,145	5,072	5,158	5,619	3,765	3,380
Dividends.....	1,006	1,809	2,362	2,568	3,064	3,297	3,638	4,471	4,060	3,882

¹ Beginning 1975, not comparable with 1970 due to Federal Power Commission ruling requiring adoption of the equity method in reporting earnings of subsidiaries. ² Includes capital stock discount and expense and reacquired securities. ³ Includes reserves for deferred income taxes. ⁴ Includes expenses not shown separately.

Source: American Gas Association, Arlington, VA, *Gas Facts*, annual. (Copyright.)

NO. 984. GAS UTILITY INDUSTRY—SUMMARY: 1970 TO 1986

[Covers natural, manufactured, mixed, and liquid petroleum gas. Based on questionnaire mailed to all privately and municipally owned gas utilities in U.S., except those with annual revenues less than \$25,000. See also *Historical Statistics, Colonial Times to 1970*, series S 190-204]

ITEM	Unit	1970	1975	1979	1986	1981	1982	1983	1984	1985	1986
Customers ¹	1,000	41,482	44,555	46,478	47,225	47,947	48,415	48,799	49,325	49,971	50,710
Residential	1,000	36,097	40,950	42,821	43,488	44,149	44,552	44,694	45,367	45,929	46,588
Commercial	1,000	3,131	3,367	3,423	3,500	3,564	3,631	3,676	3,730	3,816	3,893
Industrial and other	1,000	254	237	234	236	234	232	229	228	226	229
Sales ²	Tril. Btu ³	16,044	14,983	15,440	15,413	15,375	14,193	12,858	13,162	12,616	11,128
Residential	Tril. Btu	4,923	4,991	5,083	4,826	4,610	4,770	4,450	4,826	4,513	4,380
Percent of total	Percent	30.7	33.6	32.9	31.3	30.0	33.6	34.6	36.2	35.8	39.4
Commercial	Tril. Btu	2,007	2,387	2,488	2,453	2,376	2,471	2,298	2,396	2,338	2,238
Industrial	Tril. Btu	8,439	6,837	7,555	7,957	8,239	6,795	5,970	5,991	5,835	4,341
Other	Tril. Btu	674	648	318	177	150	147	140	147	130	167
Revenues ²	Mill. dol.	10,283	19,101	38,947	48,303	58,110	63,200	65,837	67,496	63,293	51,184
Residential	Mill. dol.	5,207	8,445	14,833	17,432	19,190	23,700	26,173	27,485	26,664	24,750
Percent of total	Percent	50.6	44.2	38.1	36.1	34.2	37.5	39.8	40.7	42.4	48.3
Commercial	Mill. dol.	1,620	3,302	6,624	8,183	9,286	11,688	12,659	13,205	12,722	11,268
Industrial	Mill. dol.	3,181	6,745	18,881	22,215	27,124	27,200	26,315	26,094	23,086	14,503
Other	Mill. dol.	274	606	530	473	520	634	690	712	621	673
Prices per mil. Btu ²	Dollars	.64	1.29	2.52	3.13	3.65	4.46	5.12	5.13	5.02	4.80
Residential	Dollars	1.08	1.89	2.92	3.61	4.16	4.97	5.66	5.94	5.95	5.65
Commercial	Dollars	.81	1.38	2.66	3.34	3.91	4.72	5.51	5.51	5.44	5.03
Industrial	Dollars	.38	.99	2.24	2.79	3.29	4.00	4.41	4.36	4.10	3.34
Gas mains mileage	1,000	913	986	1,030	1,062	1,070	1,083	1,000	1,102	1,119	1,134
Field and gathering	1,000	65	68	78	84	86	90	92	94	94	94
Transmission	1,000	252	263	263	266	270	272	273	272	271	271
Distribution	1,000	595	649	686	702	714	721	730	736	754	769
Construction expenditures ⁴	Mill. dol.	2,508	2,488	4,388	6,380	6,380	5,839	4,078	4,645	5,671	5,342
Transmission	Mill. dol.	1,019	590	1,226	1,583	2,352	1,921	1,065	1,301	1,562	1,446
Distribution	Mill. dol.	913	910	1,448	1,899	1,995	1,861	1,845	2,266	2,577	2,920
Production and storage	Mill. dol.	370	831	1,408	1,546	1,672	1,690	746	543	965	383

¹ Annual average. ² Excludes sales for resale. ³ For definition, see text, section 19. ⁴ Includes general.
Source: American Gas Association, Arlington, VA, *Gas Facts*, annual. (Copyright.)

NO. 985. GAS UTILITY INDUSTRY—CUSTOMERS, SALES, AND REVENUES, BY STATE: 1986

[See headnote, table 984]

DIVISION AND STATE	CUSTOMERS ¹ (1,000)		SALES ² (Tril. Btu ⁴)		REVENUES ³ (Mill. dol.)		DIVISION AND STATE	CUSTOMERS ¹ (1,000)		SALES ² (Tril. Btu ⁴)		REVENUES ³ (Mill. dol.)	
	Total ²	Residential	Total ²	Residential	Total ²	Residential		Total ²	Residential	Total ²	Residential	Total ²	Residential
U.S.	50,710	46,588	11,128	4,386	51,184	24,750	So. Atl.— Con.						
N. Eng.	1,873	1,711	318	157	2,054	1,167	VA.	585	527	125	47	869	306
ME.	15	12	3	1	18	5	WV.	367	355	72	40	400	241
NH.	59	51	11	5	68	35	NC.	467	412	130	32	606	205
VT.	19	17	5	2	27	12	SC.	325	291	93	18	422	114
MA.	1,149	1,056	190	97	1,200	899	GA.	1,247	1,154	237	90	1,222	579
RI.	189	174	28	16	190	121	FL.	483	421	240	14	701	96
CT.	441	401	79	37	551	317	E. So. Cent. ...	2,316	2,093	623	173	2,293	917
Mid. Atl.	8,453	7,811	1,416	763	8,628	5,262	KY.	648	587	120	61	545	294
NY.	4,051	3,774	589	339	3,833	2,496	TN.	564	486	145	41	615	197
NJ.	2,002	1,802	331	184	1,986	1,149	AL.	688	644	155	48	719	288
PA.	2,400	2,235	497	260	2,797	1,615	MS.	405	384	103	25	414	138
E. Na. Cent. ...	11,262	10,399	2,315	1,083	12,054	7,379	W. So. Cent. ...	5,639	5,364	2,642	383	6,096	1,827
OH.	2,824	2,611	577	340	3,033	1,862	AR.	533	471	112	36	411	160
IN.	1,330	1,214	337	144	1,572	776	LA.	980	923	207	58	781	316
IL.	3,386	3,108	871	450	3,955	2,197	OK.	899	810	156	69	621	326
MI.	2,582	2,408	571	337	2,965	1,839	TX.	3,448	3,150	1,586	200	5,052	1,023
WI.	1,130	1,030	259	112	1,340	986	Mt.	3,082	2,799	807	233	2,270	1,172
W. Na. Cent. ...	4,425	3,986	1,034	435	4,357	2,108	MT.	189	167	37	18	156	75
MN.	935	847	235	103	1,089	535	ID.	119	102	21	8	107	47
IA.	768	683	199	75	836	376	WY.	126	113	30	12	125	58
MO.	1,254	1,157	242	124	1,104	624	CO.	1,044	933	165	81	759	405
ND.	95	83	21	9	103	49	NM.	375	337	60	27	267	141
SD.	111	96	23	11	105	54	AZ.	594	548	71	28	338	158
NE.	469	407	103	43	414	197	UT.	433	403	92	49	380	216
KS.	794	710	211	70	727	272	NV.	212	195	32	12	156	72
So. Atl.	4,616	4,122	1,072	338	6,096	2,146	Pac.	8,996	8,366	1,052	544	6,799	2,751
DE.	87	61	22	7	115	49	WA.	414	383	117	32	552	191
MD.	809	750	123	69	755	457	OR.	312	272	64	20	321	126
DC.	148	131	30	13	204	97	CA.	8,071	7,826	1,376	460	5,750	2,366
							AK.	78	65	42	12	107	39
							HI.	33	29	3	1	37	9

¹ Averages for the year. ² Includes other service, not shown separately. ³ Excludes sales for resale. ⁴ For definition, see headnote, table 926.

Source: American Gas Association, Arlington, VA, *Gas Facts*, annual. (Copyright.)

No. 966. WOOD ENERGY CONSUMPTION, BY REGION AND SECTOR: 1960 TO 1984

[In trillions of Btu, except percent. For composition of regions, see fig. 1, inside front cover]

YEAR	Total	Percent of total energy consumption	REGION				SECTOR			
			North-east	Mid-west	South	West	Resi-dential	Indus-trial	Com-mercial	Elec-tric util-ities
1960.....	2,403	3.2	300	329	1,380	394	650	1,600	21	4
1961.....	2,412	3.2	300	331	1,291	402	609	1,519	21	3
1962.....	2,395	3.3	351	339	1,334	372	937	1,434	22	2
1963.....	2,556	3.5	300	318	1,471	395	925	1,608	22	3
1984.....	2,633	3.4	349	341	1,482	461	923	1,679	22	9

No. 967. HOUSEHOLDS THAT BURN WOOD: 1960 TO 1984

[Data are not available for 1993. Based on Residential Energy Consumption Survey; see Appendix III]

ITEM	Unit	HOUSEHOLDS THAT BURN WOOD				HOUSEHOLDS THAT BURN WOOD AS MAIN HEATING FUEL			
		1960	1961	1962	1984	1960	1961	1962	1984
Number of households.....	Millions.....	21.6	22.8	21.4	22.0	4.7	5.3	5.6	5.4
Percent of all households.....	Percent.....	26.4	27.4	26.6	26.6	6.8	8.4	8.7	7.6
Number of cords burned.....	Millions.....	42.7	44.0	46.6	49.0	22.4	24.7	26.7	29.4
Average number per household.....	Number.....	2.0	1.9	2.3	2.1	4.7	4.6	5.1	4.8
Median number per household.....	Number.....	7	1.0	1.0	1.0	3.3	3.0	4.0	4.0
Wood energy consumption.....	Tri. Btu.....	654	661	971	981	448	499	574	589

Source of tables 966 and 967: U.S. Energy Information Administration, *Annual Energy Review*.

No. 968. WATER POWER—DEVELOPED AND UNDEVELOPED CAPACITY, BY DIVISION: 1950 TO 1987

[In millions of kilowatts. As of Dec. 31. Excludes Alaska and Hawaii for 1950 and all capacity of reversible equipment at pumped storage projects. Also excludes capacity precluded from development due to wild and scenic river legislation. For composition of division, see fig. 1, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series S 160-175]

DIVISION	DEVELOPED INSTALLED CAPACITY							ESTIMATED UNDEVELOPED CAPACITY						
	1950	1960	1970	1980	1985	1986	1987	1960	1960	1970	1980	1985	1986	1987
U.S.....	18.7	33.2	52.0	84.4	99.5	99.8	70.8	47.6	114.2	126.0	129.9	76.4	74.4	76.1
New England.....	1.2	1.5	1.6	1.6	1.7	1.7	1.8	3.3	2.9	3.3	4.7	4.4	4.3	4.3
Middle Atlantic.....	1.7	2.5	4.3	4.3	4.5	4.6	4.7	6.6	7.8	4.5	5.1	5.4	5.2	5.6
E. No. Central.....	.9	.9	.9	.9	1.1	1.1	1.1	2.3	3.0	1.6	2.0	1.8	1.8	1.8
W. No. Central.....	.6	1.6	2.7	2.8	2.9	3.0	3.0	5.8	6.4	4.4	3.4	3.1	3.0	3.1
South Atlantic.....	2.6	3.6	5.3	5.9	6.5	6.7	6.7	6.2	6.4	9.6	8.6	7.4	7.3	7.2
E. So. Central.....	2.7	3.8	5.2	5.6	5.9	5.9	5.8	4.7	4.6	3.8	3.3	2.7	2.9	2.4
W. So. Central.....	.5	.9	1.6	2.3	2.3	2.3	2.3	3.6	3.9	3.3	4.7	5.4	5.2	5.2
Mountain.....	2.3	4.6	6.2	7.4	8.1	8.2	8.3	28.4	29.6	26.7	34.2	19.4	19.2	20.0
Pacific.....	6.0	13.6	23.9	33.7	35.6	36.1	37.0	29.8	53.8	70.9	62.9	26.6	26.1	26.3

Source: U.S. Federal Energy Regulatory Commission, (formerly U.S. Federal Power Commission), *Hydroelectric Power Resources of the United States, Developed and Undeveloped*, January 1, 1984; and unpublished data.

No. 969. SOLAR COLLECTOR SHIPMENTS, BY TYPE, END-USE, AND MARKET SECTOR: 1974 TO 1986

[In thousands of square feet, except number of manufacturers. Solar collector is a device for intercepting sunlight, converting the sunlight to heat, and carrying the heat to where it will be either used or stored. 1986 data are not available]

YEAR	Number of manufacturers	Total shipments ¹	COLLECTOR TYPE		END USE			MARKET SECTOR		
			Low temperature	Medium temperature, special, other	Pool heating	Hot water	Space heating	Residential	Commercial	Industrial
1974.....	45	1,274	1,137	137	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1975.....	131	3,743	3,026	717	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1976.....	186	5,601	3,876	1,625	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1977.....	321	10,312	4,743	5,569	6,334	1,719	1,690	7,978	1,880	106
1978.....	340	10,680	5,872	4,808	5,970	2,513	1,736	8,095	1,848	263
1979.....	349	14,251	6,395	5,857	6,551	2,958	1,722	11,387	2,015	314
1980.....	233	19,398	12,233	7,165	12,029	4,790	1,668	16,077	2,417	488
1981.....	203	20,133	8,677	11,456	8,781	7,204	2,017	15,773	2,581	1,518
1982.....	285	18,821	7,476	11,345	7,036	7,444	2,367	13,729	3,789	560
1983.....	203	16,626	4,893	11,733	4,839	9,323	2,082	11,780	3,036	1,666
1984.....	224	16,419	4,479	11,939	4,427	8,830	2,370	13,960	2,091	289
1986 ²	97	4,662	3,751	1,111	3,494	1,181	127	4,131	703	13

NA: Not available. ¹ Includes other end use and market sectors not shown separately. ² Declines between 1984 and 1986 are primarily due to the expiration of the Federal energy tax credit and industry consolidation.

Source: U.S. Energy Information Administration, *Solar Collector Manufacturing Activity*, annual.



Section 20

Science

This section presents statistics on scientific, engineering, and technological resources, with emphases on patterns of research and development (R&D) funding and on scientific, engineering, and technical personnel, education, and employment. Also included are statistics on space program outlays and accomplishments. Principal sources of these data are the National Science Foundation (NSF) and the National Aeronautics and Space Administration (NASA).

NSF gathers data chiefly through recurring surveys. Current NSF publications containing data on funds for research and development and on scientific and engineering personnel include the *Science Resources Studies Highlights* summaries series; and annual, biennial, triennial, and special reports. Titles or the areas of coverage of some of these reports are as follows: *Science and Engineering Indicators*; *National Patterns of Science and Technology Resources*; *Science and Engineering Personnel—A National Overview*; *Women and Minorities in Science and Engineering*; science and technology data presented in chart and tabular form in a pocket-size publication; *International Science and Technology Resources Data Update*; profiles on human resources and funding in individual fields of science and engineering; *Federal R&D Funds for Research and Development*; *Federal R&D Funding by Budget Function*; *Federal Support to Universities, Colleges, and Selected Nonprofit Institutions*; *Geographic Distribution of Industrial R&D Expenditures*; *Research and Development in Industry*; R&D funds and graduate enrollment and support in academic science and engineering; characteristics of doctoral scientists and engineers and of recent graduates in the United States; *U.S. Scientists and Engineers*; and scientists, engineers, and technicians in manufacturing, nonmanufacturing, and trade and regulated industries. Statistical surveys in these areas pose particularly difficult problems of concept and definition and the data should, therefore, be regarded as broad estimates rather than precise quantitative statements. Detailed discussions of the scope and limitations of the data appear in the publications.

The National Science Board's biennial *Science Indicators* publication contains data and analyses of international and domestic science and technology, including measures of inputs and outputs. *The Budget of the United States Government*, published by the U.S. Office of Management and Budget, contains summary financial data on Federal R&D programs.

Research and development outlays.—NSF defines research as a "systematic and intensive study directed toward a fuller knowledge of the subject studied" and development as "the systematic use of scientific knowledge directed toward the production of useful materials, devices, systems, methods, or processes." National coverage of R&D expenditures is developed primarily from periodic surveys in four principal economic sectors: (1) *Government*, made up primarily of Federal executive agencies; (2) *industry*, consisting of manufacturing and nonmanufacturing firms and the federally funded research and development centers (FFRDCs) they administer; (3) *universities and colleges*, composed of universities, colleges, and their affiliated institutions, agricultural experiment stations, and associated schools of agriculture, and FFRDCs administered by educational institutions; and (4) *other nonprofit institutions*, consisting of such organizations as private philanthropic foundations, nonprofit research institutes, voluntary health agencies, and FFRDCs administered by nonprofit organizations. The R&D funds reported consist of current operating costs, including planning and administration costs, except as otherwise noted. They exclude funds for routine testing, mapping and surveying, collection of general-purpose data, dissemination of scientific information, and training of scientific personnel.

Scientists, engineers, and technicians.—Scientists and engineers are defined as persons engaged in scientific and engineering work at a level requiring a knowledge of sciences equivalent at least to that acquired through completion of a 4-year college course. Technicians are defined as persons engaged in technical work at a level requiring knowledge acquired through a technical institute, junior college, or other type of training less extensive than 4-year college training. Craftsmen and skilled workers are excluded.

Historical statistics.—Tabular headings provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

NO. 970. RESEARCH AND DEVELOPMENT (R&D)—OUTLAYS: 1965 TO 1987

[Includes basic research, applied research, and development. Defense-related outlays comprise all research and development spending by Dept. of Defense, including space activities, and a portion of Department of Energy funds. Space-related outlays are those of the National Aeronautics and Space Administration; they exclude space activities of other Federal agencies, estimated at less than 5 percent of all space research and development spending. Minus sign (-) indicates decrease]

YEAR OR PERIOD	CURRENT DOLLARS (bil. dol.)			CONSTANT (1982) DOLLARS ¹		ANNUAL PERCENT CHANGE ²		PERCENT OF TOTAL R&D OUTLAYS					
								Federally funded defense/space- related			Other outlays		
	Total	De- fense space re- lated	Other	Total (bil. dol.)	Per- cent of GNP ³	Cur- rent dol- lars	Con- stant dol- lars	Total	De- fense	Space	Total	Non- Fed- eral	Fed- eral
1965	8.2	3.0	3.1	22.4	1.6	8.4	8.1	48	48	1	51	43	8
1966	13.5	7.4	6.1	43.8	2.6	13.8	11.4	56	52	3	48	26	9
1967	14.3	8.0	6.3	46.8	2.7	14.3	11.9	56	50	6	44	26	9
1968	15.4	8.5	6.9	48.2	2.7	15.4	12.5	56	48	7	46	26	9
1969	17.1	9.4	7.7	52.8	2.8	16.8	13.2	56	41	14	45	24	11
1970	18.9	10.6	8.3	57.2	2.9	18.5	14.8	56	37	19	44	24	9
1971	20.0	10.8	9.2	59.4	2.9	20.0	15.3	54	33	1	46	26	11
1972	21.8	11.4	10.5	62.8	2.9	21.8	16.5	52	29	19	46	26	12
1973	23.1	11.3	11.8	64.4	2.9	23.1	17.9	49	26	14	51	26	13
1974	24.6	11.8	12.8	65.5	2.8	24.6	18.6	46	26	13	52	26	13
1975	26.6	11.5	14.1	64.7	2.7	26.6	19.2	45	24	11	55	22	13
1976	28.1	11.2	14.9	62.4	2.6	28.1	20.0	43	23	10	57	22	14
1977	28.7	10.9	15.7	63.4	2.4	28.7	21.1	41	22	8	59	22	15
1978	28.6	11.7	16.8	61.4	2.4	28.6	21.7	41	20	8	59	22	15
1979	30.7	11.7	19.0	62.4	2.3	30.7	22.9	38	20	8	62	22	15
1980	32.9	11.5	21.4	61.5	2.2	32.9	24.0	36	27	8	65	22	15
1981	35.2	12.0	23.2	68.9	2.2	35.2	25.1	34	28	8	68	22	17
1982	39.0	13.3	25.7	72.1	2.2	39.0	26.3	34	28	8	68	22	17
1983	42.8	14.1	28.7	73.7	2.2	42.8	27.4	33	26	7	67	22	17
1984	48.1	14.9	33.2	76.8	2.1	48.1	28.5	31	25	6	66	22	19
1985	54.9	15.9	39.0	80.1	2.1	54.9	30.6	28	23	6	70	22	19
1986	62.8	17.5	45.1	83.2	2.1	62.8	31.9	28	22	6	72	22	19
1987	71.9	20.9	51.0	86.6	2.4	71.9	33.9	28	24	6	71	24	17
1988	79.4	23.8	55.6	89.4	2.5	79.4	35.4	28	26	4	70	24	18
1989	87.3	27.9	59.4	94.0	2.6	87.3	36.8	28	28	4	68	24	16
1990	97.8	32.3	65.5	100.7	2.6	97.8	38.0	28	30	3	67	24	13
1991	107.8	37.7	70.1	107.0	2.7	107.8	39.6	26	32	3	64	22	13
1992	112.5	40.5	72.0	108.8	2.7	112.5	40.1	26	33	3	64	22	12
1997, est.	117.8	43.6	74.3	100.1	2.6	117.8	41.6	27	34	3	64	22	12

¹ Based on GNP implicit price deflator. ² GNP=Gross national product. ³ Change from prior year shown; 1966 change from 1965.

Source: U.S. National Science Foundation, *National Patterns of Science and Technology Resources*, annual, and unpublished data.

NO. 971. RESEARCH AND DEVELOPMENT (R&D)—SOURCE OF FUNDS AND PERFORMANCE SECTOR: 1960 TO 1987

[In millions of dollars. See footnote, table 972]

YEAR	Total	SOURCE OF FUNDS				PERFORMANCE SECTOR				
		Federal Govt.	Industry	Univ., colleges	Other ¹	Federal Govt.	Industry	Univ., colleges	Associated FFRDC's ²	Other ³
Current dollars:										
1960	13,523	8,739	4,516	149	120	1,725	10,809	646	390	392
1970	25,134	14,892	10,444	461	387	4,079	18,067	2,335	737	916
1975	35,213	18,109	15,820	749	535	5,354	24,187	3,409	957	1,276
1980	62,594	29,453	30,914	1,389	901	7,832	44,505	6,081	2,246	2,189
1981	71,866	33,404	35,948	1,555	961	8,425	51,810	6,845	2,488	2,300
1982	79,364	36,512	40,101	1,735	1,016	9,141	57,995	7,324	2,479	2,425
1983	87,280	40,991	43,524	1,935	1,129	10,582	63,409	7,893	2,787	2,676
1984	97,793	45,377	49,107	2,107	1,202	11,572	71,470	8,629	3,118	3,010
1985	107,757	51,668	52,358	2,377	1,354	12,945	78,269	9,694	3,529	3,399
1986	112,496	54,330	53,849	2,789	1,427	13,535	80,829	10,999	3,900	3,596
1987, est.	117,862	56,391	56,722	3,145	1,624	13,413	84,800	12,582	4,202	3,586
Constant (1982) dollars: ³										
1960	49,648	28,191	14,591	479	387	5,548	33,955	2,077	1,157	911
1970	82,406	35,836	24,851	1,111	807	9,634	42,986	5,829	1,777	2,179
1975	59,883	30,988	28,879	1,302	916	9,308	40,761	5,887	1,718	2,151
1980	73,237	34,648	36,067	1,695	1,057	9,006	51,919	7,153	2,690	2,508
1981	76,838	35,684	38,259	1,886	1,027	9,039	55,140	7,344	2,687	2,448
1982	79,364	36,512	40,101	1,735	1,016	9,141	57,995	7,324	2,479	2,425
1983	83,954	39,116	41,905	1,857	1,085	10,153	61,047	7,893	2,639	2,576
1984	90,684	42,042	45,582	1,947	1,113	10,696	66,342	7,970	2,982	2,794
1985	98,999	46,483	47,186	2,181	1,217	11,807	70,544	8,882	3,164	2,982
1986	98,599	47,597	47,349	2,434	1,349	11,613	70,771	9,599	3,404	3,076
1987, est.	100,059	47,821	48,201	2,880	1,377	11,344	71,895	10,218	3,654	3,047

¹ University associated federally-funded R&D centers. ² Nonprofit institutions. ³ Based on gross national product implicit price deflator.

Source: U.S. National Science Foundation, *National Patterns of Science and Technology Resources*, annual.

1982 RESEARCH AND DEVELOPMENT R&D - SOURCE BY INSTITUTION TYPE AND YEAR 1982 - 1981

The following table shows the sources of research and development (R&D) for the United States in 1982 and 1981. The data are presented in billions of dollars. The sources are categorized by institution type: Federal Government, Industry, Universities and colleges, and Other. The table also shows the total R&D, the percent of total R&D, and the percent Federal as source.

Source	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970	1969	1968	1967	1966	1965	1964	1963	1962	1961	1960	1959	1958	1957	1956	1955	1954	1953	1952	1951	1950	1949	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936	1935	1934	1933	1932	1931	1930	1929	1928	1927	1926	1925	1924	1923	1922	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912	1911	1910	1909	1908	1907	1906	1905	1904	1903	1902	1901	1900	1899	1898	1897	1896	1895	1894	1893	1892	1891	1890	1889	1888	1887	1886	1885	1884	1883	1882	1881	1880	1879	1878	1877	1876	1875	1874	1873	1872	1871	1870	1869	1868	1867	1866	1865	1864	1863	1862	1861	1860	1859	1858	1857	1856	1855	1854	1853	1852	1851	1850	1849	1848	1847	1846	1845	1844	1843	1842	1841	1840	1839	1838	1837	1836	1835	1834	1833	1832	1831	1830	1829	1828	1827	1826	1825	1824	1823	1822	1821	1820	1819	1818	1817	1816	1815	1814	1813	1812	1811	1810	1809	1808	1807	1806	1805	1804	1803	1802	1801	1800	1799	1798	1797	1796	1795	1794	1793	1792	1791	1790	1789	1788	1787	1786	1785	1784	1783	1782	1781	1780	1779	1778	1777	1776	1775	1774	1773	1772	1771	1770	1769	1768	1767	1766	1765	1764	1763	1762	1761	1760	1759	1758	1757	1756	1755	1754	1753	1752	1751	1750	1749	1748	1747	1746	1745	1744	1743	1742	1741	1740	1739	1738	1737	1736	1735	1734	1733	1732	1731	1730	1729	1728	1727	1726	1725	1724	1723	1722	1721	1720	1719	1718	1717	1716	1715	1714	1713	1712	1711	1710	1709	1708	1707	1706	1705	1704	1703	1702	1701	1700	1699	1698	1697	1696	1695	1694	1693	1692	1691	1690	1689	1688	1687	1686	1685	1684	1683	1682	1681	1680	1679	1678	1677	1676	1675	1674	1673	1672	1671	1670	1669	1668	1667	1666	1665	1664	1663	1662	1661	1660	1659	1658	1657	1656	1655	1654	1653	1652	1651	1650	1649	1648	1647	1646	1645	1644	1643	1642	1641	1640	1639	1638	1637	1636	1635	1634	1633	1632	1631	1630	1629	1628	1627	1626	1625	1624	1623	1622	1621	1620	1619	1618	1617	1616	1615	1614	1613	1612	1611	1610	1609	1608	1607	1606	1605	1604	1603	1602	1601	1600	1599	1598	1597	1596	1595	1594	1593	1592	1591	1590	1589	1588	1587	1586	1585	1584	1583	1582	1581	1580	1579	1578	1577	1576	1575	1574	1573	1572	1571	1570	1569	1568	1567	1566	1565	1564	1563	1562	1561	1560	1559	1558	1557	1556	1555	1554	1553	1552	1551	1550	1549	1548	1547	1546	1545	1544	1543	1542	1541	1540	1539	1538	1537	1536	1535	1534	1533	1532	1531	1530	1529	1528	1527	1526	1525	1524	1523	1522	1521	1520	1519	1518	1517	1516	1515	1514	1513	1512	1511	1510	1509	1508	1507	1506	1505	1504	1503	1502	1501	1500	1499	1498	1497	1496	1495	1494	1493	1492	1491	1490	1489	1488	1487	1486	1485	1484	1483	1482	1481	1480	1479	1478	1477	1476	1475	1474	1473	1472	1471	1470	1469	1468	1467	1466	1465	1464	1463	1462	1461	1460	1459	1458	1457	1456	1455	1454	1453	1452	1451	1450	1449	1448	1447	1446	1445	1444	1443	1442	1441	1440	1439	1438	1437	1436	1435	1434	1433	1432	1431	1430	1429	1428	1427	1426	1425	1424	1423	1422	1421	1420	1419	1418	1417	1416	1415	1414	1413	1412	1411	1410	1409	1408	1407	1406	1405	1404	1403	1402	1401	1400	1399	1398	1397	1396	1395	1394	1393	1392	1391	1390	1389	1388	1387	1386	1385	1384	1383	1382	1381	1380	1379	1378	1377	1376	1375	1374	1373	1372	1371	1370	1369	1368	1367	1366	1365	1364	1363	1362	1361	1360	1359	1358	1357	1356	1355	1354	1353	1352	1351	1350	1349	1348	1347	1346	1345	1344	1343	1342	1341	1340	1339	1338	1337	1336	1335	1334	1333	1332	1331	1330	1329	1328	1327	1326	1325	1324	1323	1322	1321	1320	1319	1318	1317	1316	1315	1314	1313	1312	1311	1310	1309	1308	1307	1306	1305	1304	1303	1302	1301	1300	1299	1298	1297	1296	1295	1294	1293	1292	1291	1290	1289	1288	1287	1286	1285	1284	1283	1282	1281	1280	1279	1278	1277	1276	1275	1274	1273	1272	1271	1270	1269	1268	1267	1266	1265	1264	1263	1262	1261	1260	1259	1258	1257	1256	1255	1254	1253	1252	1251	1250	1249	1248	1247	1246	1245	1244	1243	1242	1241	1240	1239	1238	1237	1236	1235	1234	1233	1232	1231	1230	1229	1228	1227	1226	1225	1224	1223	1222	1221	1220	1219	1218	1217	1216	1215	1214	1213	1212	1211	1210	1209	1208	1207	1206	1205	1204	1203	1202	1201	1200	1199	1198	1197	1196	1195	1194	1193	1192	1191	1190	1189	1188	1187	1186	1185	1184	1183	1182	1181	1180	1179	1178	1177	1176	1175	1174	1173	1172	1171	1170	1169	1168	1167	1166	1165	1164	1163	1162	1161	1160	1159	1158	1157	1156	1155	1154	1153	1152	1151	1150	1149	1148	1147	1146	1145	1144	1143	1142	1141	1140	1139	1138	1137	1136	1135	1134	1133	1132	1131	1130	1129	1128	1127	1126	1125	1124	1123	1122	1121	1120	1119	1118	1117	1116	1115	1114	1113	1112	1111	1110	1109	1108	1107	1106	1105	1104	1103	1102	1101	1100	1099	1098	1097	1096	1095	1094	1093	1092	1091	1090	1089	1088	1087	1086	1085	1084	1083	1082	1081	1080	1079	1078	1077	1076	1075	1074	1073	1072	1071	1070	1069	1068	1067	1066	1065	1064	1063	1062	1061	1060	1059	1058	1057	1056	1055	1054	1053	1052	1051	1050	1049	1048	1047	1046	1045	1044	1043	1042	1041	1040	1039	1038	1037	1036	1035	1034	1033	1032	1031	1030	1029	1028	1027	1026	1025	1024	1023	1022	1021	1020	1019	1018	1017	1016	1015	1014	1013	1012	1011	1010	1009	1008	1007	1006	1005	1004	1003	1002	1001	1000	999	998	997	996	995	994	993	992	991	990	989	988	987	986	985	984	983	982	981	98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NO. 973. NATIONAL RESEARCH AND DEVELOPMENT (R&D) EXPENDITURES AS A PERCENT OF GROSS NATIONAL PRODUCT, BY COUNTRY: 1972 TO 1987

YEAR	TOTAL R&D						NON DEFENSE R&D ¹				
	United States	France	West Germany	United Kingdom	Soviet Union ¹		United States	France	West Germany	Japan	United Kingdom
1972	2.3	1.9	2.2	2.1	3.7		1.8	1.5	2.1	1.9	1.5
1975	2.2	1.8	2.2	2.0	3.8		1.6	1.5	2.1	2.0	1.5
1979	2.2	1.8	2.4	2.1	3.8	(NA)	1.6	1.4	2.3	2.1	(NA)
1980	2.3	1.8	2.4	2.2	3.8	(NA)	1.7	1.4	2.3	2.2	(NA)
1981	2.4	2.0	2.5	2.3	3.8		1.8	1.5	2.4	2.3	1.7
1982	2.6	2.1	2.6	2.4	3.7	(NA)	1.8	1.6	2.5	2.4	(NA)
1983	2.6	2.1	2.6	2.6	3.8		1.8	1.7	2.5	2.5	1.6
1984	2.6	2.2	2.6	2.6	4.0	(NA)	1.8	1.7	2.5	2.6	(NA)
1985	2.7	2.3	2.8	2.8	3.7		1.8	1.8	2.6	2.6	1.6
1986	2.7	2.3	2.7	2.8	3.8		1.8	1.8	2.6	2.8	1.8
1987	2.6	2.3	2.8	(NA)	(NA)	(NA)	1.8	1.9	2.6	(NA)	(NA)

NA Not available. ¹ Estimated.

Source: U.S. National Science Foundation, *Science Indicators*, biennial; *National Patterns of Science and Technology Resources*, annual; and *International Science and Technology Data Update*, annual.

NO. 974. FEDERAL FUNDING FOR RESEARCH AND DEVELOPMENT, BY BUDGET FUNCTION: 1975 TO 1988

[In millions of dollars. For fiscal years ending in year shown; see text, section 9. Excludes R&D plant. Data for 1975 are shown in obligations; thereafter, are shown in budget authority. See *Historical Statistics, Colonial Times to 1970*, series W 126, for total obligations]

FUNCTION	1975	1980	1981	1982	1983	1984	1985	1986	1987	1988, est.	1988, est.
Total ¹	19,039	28,739	33,735	36,115	38,768	44,214	46,887	53,249	57,989	68,304	62,880
National defense	9,579	14,946	18,413	22,070	24,936	29,287	33,668	36,926	39,152	40,300	41,318
Health	2,170	3,694	3,871	3,889	4,296	4,779	5,418	5,585	6,555	7,087	7,849
Space research and technology	2,784	2,738	3,111	2,584	2,134	2,300	2,725	2,894	3,395	3,574	4,733
General science	813	1,233	1,340	1,359	1,502	1,576	1,862	1,873	2,042	2,150	2,533
Energy	1,363	3,509	3,501	3,012	2,578	2,581	2,369	2,286	2,053	2,126	2,471
Transportation	635	687	899	791	876	1,040	1,030	917	906	918	1,084
Natural resources and environment	624	999	1,081	955	952	963	1,059	1,082	1,133	1,183	1,081
Agriculture	342	585	659	693	745	762	836	815	822	876	650
Education, training, employment ²	239	458	288	225	189	200	220	248	267	290	295
International affairs	29	126	180	185	177	182	210	211	223	206	199
Veterans benefits and services	95	129	143	139	157	218	193	183	215	210	206
Commerce and housing credit	65	101	108	104	107	110	114	111	110	121	131
Administration of justice	44	45	34	31	37	24	47	41	49	43	55
Community and regional develop	83	119	104	83	44	48	50	88	99	102	93

¹ Includes functions not shown separately. ² Includes social services.

Source: U.S. National Science Foundation, *Federal R&D Funding by Budget Function*, annual.

NO. 975. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY AGENCY: 1975 TO 1988

[In millions of dollars, except percent. For fiscal years ending in year shown; see text, section 9. See *Historical Statistics, Colonial Times to 1970*, series W 142, for total R&D expenditures. Minus sign (-) indicates decline]

AGENCY	1975	1980	1982	1983	1984	1985	1986	1987, est.	1988, est.	PERCENT CHANGE	
										1988-87	1987-86
Obligations, total	19,039	28,830	36,433	36,712	42,225	46,360	51,412	56,482	62,387	9.9	12.2
Dept. of Defense	9,013	13,981	20,623	22,993	25,373	29,792	32,939	36,244	42,683	10.0	17.7
National Aeronautics and Space Administration	3,064	3,234	3,078	2,862	2,822	3,327	3,420	4,185	—	22.4	7.5
Dept. of Commerce	215	343	336	335	358	399	399	408	385	2.3	-10.6
Dept. of Energy	2,047	4,764	4,708	4,537	4,574	4,966	4,666	4,851	4,962	3.5	2.7
Dept. of Health and Human Services	2,281	3,780	3,941	4,353	4,831	5,451	5,558	6,343	6,263	12.1	-9
National Science Foundation	595	682	976	1,082	1,203	1,346	1,363	1,463	1,706	8.1	16.6
Dept. of Agriculture	420	686	797	848	—	943	929	979	993	5.4	-1.6
Dept. of Transportation	312	381	310	348	448	429	—	310	250	-18.7	-6.5
Dept. of the Interior	303	411	381	383	411	392	385	405	371	5.2	-8.4
Environmental Protection Agency	256	345	336	241	261	320	317	329	346	3.8	5.2
Nuclear Regulatory Commission	84	183	220	207	191	180	124	112	120	-9.7	7.1
Veterans Administration	95	133	137	161	190	227	186	210	212	12.9	1.0
Agency for International Development	27	149	200	227	237	220	251	224	215	-10.6	-4.0
Dept. of Education	116	139	128	112	116	125	121	138	128	14.0	-7.2
Other agencies	229	447	289	245	244	274	257	293	293	14.0	-

- Represents or rounds to zero.

Source: U.S. National Science Foundation, *Federal Funds for Research and Development*, annual.

NO. 876. COMPANIES PERFORMING RESEARCH AND DEVELOPMENT (R&D)—SELECTED DATA BY INDUSTRY GROUP 1975 TO 1986

SIC ¹ code	INDUSTRY GROUP	R&D EXPENSE \$ MIL.				R&D EXPENSE AS PERCENT OF NET SALES				COMPANY R&D EXPENSE AS PERCENT OF NET SALES			
		1975	1976	1977	1978	1975	1976	1977	1978	1975	1976	1977	1978
	Total ²	24,187	44,595	76,399	92,699	3.7	3.8	4.4	4.7	3.0	3.7	3.9	3.5
372, 376	Aircraft and missiles.....	5,775	8,199	17,872	18,742	12.7	15.7	16.6	15.7	2.8	3.2	3.6	4.1
36	Electronic equipment.....	5,192	5,173	17,392	18,192	6.5	6.5	9.5	8.7	3.5	3.5	5.1	5.5
36	Electronics.....	2,192	5,397	10,392	10,392	4.5	5.1	8.5	7.4	4.1	4.5	6.1	6.4
36	Chemicals and allied products.....	2,77	4,392	8,392	8,397	3.7	3.5	4.5	5.7	3.7	5.5	4.7	4.5
371	Other electronic.....	2,392	4,392	89	89	3.5	4.5	89	89	3.5	4.5	3.5	3.5
36	Performance and non- SIC instruments.....	1,775	3,392	5,392	5,427	5.5	7.5	10.5	10.5	5.7	6.7	8.5	8.5
28	Petroleum refining.....	89	1,392	89	89	7	2	89	89	5	5	5	1.1

D Withheld to avoid disclosure * Statutory business classification ² Includes subsidiaries not available

Source: U.S. National Science Foundation, *Federal Funds for Research and Development by Industry Group*.

NO. 877. FEDERAL OBLIGATIONS FOR RESEARCH BY FIELD OF SCIENCE 1975 TO 1986

In millions of dollars. For fiscal years ending in year shown, see text, section 3. See footnote table 874, N.E.C.—Not elsewhere classified.

FIELD	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Research, total.....	6,739	11,397	12,713	13,692	14,394	14,979	15,139	15,392	17,072	16,695		
Basic.....	2,599	4,574	5,047	5,492	6,292	7,067	7,979	8,153	8,827	8,134		
Applied.....	4,147	6,823	7,666	8,207	8,102	7,912	8,375	8,349	8,897	8,871		
Life sciences.....	2,435	4,192	4,432	4,745	5,178	5,636	6,392	6,494	7,079	7,092		
Biological (including environmental).....	NA	1,397	1,397	2,079	2,306	2,993	2,996	2,993	3,370	3,347		
Environmental biology.....	NA	230	230	194	194	250	250	254	290	290		
Agricultural.....	NA	447	495	549	595	512	639	634	600	581		
Medical.....	851	1,537	1,610	1,773	1,827	2,113	2,399	2,390	2,679	2,692		
Life sciences, n.e.c. ¹	52	148	14	167	196	199	239	243	275	292		
Psychology.....	139	199	209	219	241	267	327	324	395	374		
Biological aspects.....	37	69	89	89	63	81	81	80	112	109		
Social aspects.....	57	95	95	99	105	109	143	144	140	159		
Psychological sciences, n.e.c. ¹	45	44	59	67	73	79	83	100	119	111		
Physical sciences.....	1,097	2,001	2,227	2,500	2,991	2,993	3,049	3,099	3,270	3,344		
Astronomy.....	199	299	297	279	357	392	419	499	549	530		
Chemistry.....	299	495	497	491	520	609	600	692	693	699		
Physics.....	595	1,193	1,346	1,611	1,855	1,836	1,919	1,909	1,997	1,999		
Physical sciences, n.e.c. ¹	49	79	107	133	159	144	199	133	142	139		
Environmental sciences.....	727	1,291	1,127	1,149	1,251	1,279	1,404	1,492	1,559	1,699		
Atmospheric.....	302	410	373	426	491	434	499	521	549	599		
Geological.....	192	492	396	359	334	359	429	444	447	529		
Oceanography.....	144	292	292	291	344	393	399	430	495	414		
Environmental sciences, n.e.c. ¹	89	199	89	104	113	119	89	87	95	109		
Mathematics and computer sciences.....	125	241	279	350	419	440	575	615	654	699		
Mathematics.....	NA	91	119	129	134	151	194	195	220	229		
Computer sciences.....	NA	129	122	171	215	215	290	302	291	299		
Mathematics and computer sciences, n.e.c. ¹	NA	21	40	51	71	79	111	129	124	199		
Engineering.....	1,719	2,830	3,071	3,397	3,517	3,624	3,819	3,739	3,979	3,979		
Aeronautical.....	345	709	710	741	821	890	739	779	819	890		
Astronautical.....	89	302	304	291	321	397	429	527	597	703		
Chemical.....	64	89	149	95	145	144	294	299	299	291		
Civil.....	129	159	159	202	199	203	217	203	193	297		
Electrical.....	297	517	557	612	615	630	627	674	729	697		
Mechanical.....	192	209	205	201	299	190	297	297	227	299		
Metallurgy and materials.....	222	239	259	309	333	341	439	445	490	490		
Engineering, n.e.c. ¹	393	603	734	935	829	899	691	639	630	699		
Social sciences.....	302	524	497	399	435	439	490	419	494	473		
Anthropology.....	14	17	15	15	13	19	19	14	19	19		
Economics.....	129	193	207	157	199	147	190	131	139	149		
Political science.....	12	12	11	9	11	11	19	12	11	13		
Sociology.....	55	71	65	52	89	70	89	67	63	74		
Social sciences, n.e.c. ¹	95	230	200	155	179	199	201	199	239	299		
Other sciences, n.e.c. ¹	167	350	379	297	320	331	349	393	499	421		

NA Not available. ¹ N.e.c.—Not elsewhere classified.

Source: U.S. National Science Foundation, *Federal Funds for Research and Development*, annual.

NO. 978. FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES: 1970 TO 1986

[In millions of dollars, except percent. For fiscal years ending in year shown see text, section 8. Total and nonscience/engineering activities for 1981-1983 are estimates based on revised student aid data from the Dept. of Education. Minus sign (-) indicates decrease]

ITEM	1970	1975	1976	1977	1980	1981	1982	1983	1984	1985	1986
Federal obligations, total	3,237	4,547	7,472	7,004	8,296	8,840	8,779	9,341	10,119	10,800	11,584
Annual percent change ¹	-6.5	1.5	15.1	1.8	9.1	4.1	1.8	6.4	8.3	8.3	6.7
Academic science/engineering obligations	2,188	2,806	3,960	4,473	4,790	5,062	5,179	5,860	6,390	7,249	7,399
Percent of total	67.8	61.7	53.0	58.8	57.7	58.6	59.0	60.6	63.2	68.1	63.9
Research and development	1,447	2,246	3,366	3,874	4,180	4,410	4,554	5,024	5,634	6,309	6,536
Research and development plant	45	■	34	82	96	26	31	36	50	■	108
Other science/engineering activities	696	515	■	567	593	624	594	619	706	767	755
Nonscience/engineering activities	1,049	1,741	3,512	3,131	3,506	3,578	3,597	3,661	3,728	3,710	4,185

¹ Percent change from prior year.

Source: U.S. National Science Foundation, *Survey of Federal Support to Universities, Colleges, and Selected Nonprofit Institutions*, annual.

NO. 979. FEDERAL R&D OBLIGATIONS TO SELECTED UNIVERSITIES AND COLLEGES: 1975 TO 1986

[In thousands of dollars. For fiscal years ending in year shown see text, section 9. For the top 50 institutions receiving Federal R&D funds in 1986. Awards to the administrative offices of university systems are excluded from totals for individual institutions because that allocation of funds is unknown, but those awards are included in "total all institutions"]

MAJOR INSTITUTION RANKED BY TOTAL 1986 FEDERAL R&D OBLIGATIONS	1975	1983	1985	1986
Total of all institutions ¹	2,240,088	4,159,867	6,368,806	6,538,280
50 institutions, percent of total	63.7	64.5	66.0	65.6
Johns Hopkins University ²	41,261	240,086	429,160	445,718
Massachusetts Institute of Technology ³	66,715	142,094	169,558	189,120
Stanford University ³	58,886	104,610	174,881	180,188
University of Washington	60,235	100,577	146,179	146,718
University of California-San Diego	46,550	81,437	103,633	133,243
Columbia University	46,866	81,511	127,331	127,131
University of California-Los Angeles	54,208	67,284	128,211	125,483
University of Wisconsin-Madison	46,368	80,838	124,804	120,826
Cornell University ³	39,601	75,168	119,863	112,707
Yale University	36,872	69,937	100,227	111,987
University of Michigan	36,403	71,836	106,036	111,232
Harvard University	48,896	84,554	108,414	110,266
University of California-San Francisco	33,889	62,771	86,536	104,463
University of Pennsylvania	43,536	71,084	103,119	103,467
University of Minnesota	36,666	76,088	103,272	100,898
University of California-Berkeley ³	40,787	60,426	103,710	96,634
University of Illinois-Urbana	34,100	60,800	83,122	86,899
Pennsylvania State University ⁴	20,266	46,463	76,728	87,041
University of Southern California	26,678	48,343	66,708	77,538
University of Texas-Austin	23,307	40,434	72,379	74,028
University of Colorado	22,336	44,823	71,484	73,830
Washington University	30,719	62,529	71,978	72,780
University of Chicago ³	36,300	60,692	71,194	71,536
University of Rochester	25,408	41,324	70,379	71,521
University of North Carolina-Chapel Hill	18,167	35,796	66,106	70,526
Duke University	24,550	42,688	66,198	70,034
New York University	26,029	39,494	74,577	68,572
Carnegie-Mellon University ³	10,014	22,061	48,872	59,854
California Institute of Technology ²	21,002	35,662	55,083	58,707
University of Pittsburgh	18,586	33,246	58,620	59,373
Yeshiva University	24,762	40,276	55,966	56,516
Ohio State University	20,913	37,312	58,088	58,078
University of Utah	19,736	31,366	60,336	58,290
University of Maryland-College Park	13,772	26,483	51,073	53,908
University of Iowa	16,845	34,677	56,117	52,226
University of Arizona	15,136	33,887	48,740	51,123
Case Western Reserve University	16,875	31,420	47,984	49,331
University of Florida	16,257	25,467	47,718	49,911
Michigan State University	16,003	28,836	48,945	49,740
Boston University	13,325	24,843	46,152	46,519
Purdue University	21,480	36,734	51,544	46,827
Georgia Institute of Technology	9,455	27,898	51,585	46,557
University of Alabama-Birmingham	15,807	28,895	44,088	45,858
Vanderbilt University	13,770	25,978	39,806	43,980
Baylor College of Medicine	16,615	31,784	45,637	43,601
University of California-Davis	19,837	42,245	43,156	43,618
Northwestern University	16,721	31,892	48,280	43,009
Princeton University ²	16,036	21,482	34,720	42,674
Indiana University	13,132	26,770	36,118	41,979
University of Texas-Health Science Center, Dallas	10,682	22,172	37,432	40,330

¹ Includes other institutions, not shown separately. ² Data for Johns Hopkins University includes obligations to the applied physics laboratory, considered a federally funded research and development center (FFRDC) until fiscal year 1978. ³ Does not include R&D obligations to university administered FFRDC's. ⁴ Data for Pennsylvania State University includes obligations to the applied research laboratory, considered an FFRDC until fiscal year 1978.

Source: U.S. National Science Foundation, *Federal Support to Universities and Colleges and Selected Non-Profit Institutions*, annual.

No. 980. RESEARCH AND DEVELOPMENT (R&D) EXPENDITURES IN SCIENCE AND ENGINEERING AT UNIVERSITIES AND COLLEGES: 1980 TO 1986

[In millions of dollars. Estimates for nonrespondents account for less than 6 percent of the total]

CHARACTERISTIC	1980	1983	1984	1985	1986	CHARACTERISTIC	1980	1983	1984	1985	1986
Total	6,061	7,796	8,508	9,524	10,718	Fields—Con.					
In 1982 dollars ¹	7,152	7,462	7,854	8,527	9,332	Environmental sciences—Con					
Basic research	4,027	5,265	5,636	6,387	7,244	Oceanography	172	224	238	260	276
Applied R&D	2,034	2,533	2,870	3,136	3,473	Other environmental	82	81	83	85	112
Source of funds:						Mathematical sciences	79	106	124	130	152
All governments	4,586	5,577	6,069	6,727	7,536	Computer sciences	114	175	222	279	315
Institutions' own funds	627	1,256	1,350	1,557	1,774	Life sciences	3,216	4,233	4,617	5,155	5,746
Industry	237	376	481	543	657	Agricultural sciences	680	896	930	1,029	1,122
Other	408	587	629	698	740	Biological sciences	1,030	1,406	1,555	1,696	1,833
Fields:						Medical sciences	1,414	1,802	1,990	2,280	2,578
Physical sciences	677	697	962	1,154	1,281	Other life sciences	93	126	142	170	213
Astronomy	58	74	80	81	96	Psychology	111	139	147	162	180
Chemistry	344	335	398	412	480	Social sciences	341	354	372	390	459
Physics	322	414	499	550	622	Economics	90	95	109	116	132
Other physical sciences	52	74	74	81	83	Political sciences	55	56	56	61	68
Environmental sciences	509	619	650	705	774	Sociology	89	76	75	79	89
Atmospheric	67	96	103	110	125	Other social sciences	107	124	132	135	171
Earth sciences	188	216	226	251	262	Other sciences	146	162	176	182	220
						Engineering	855	1,111	1,207	1,367	1,809

¹ Based on the Gross national product implicit price deflator; see text, section 14.

Source: U.S. National Science Foundation, *Survey of Scientific and Engineering Expenditures at Universities and Colleges*, annual.

No. 981. SCIENTISTS AND ENGINEERS EMPLOYED IN RESEARCH AND DEVELOPMENT: 1970 TO 1987

[In thousands of full-time equivalent employees. Yearly averages for industry sector only. Excludes those employed by State and local government agencies, except as noted. DOD=Dept. of Defense. FFRDC's=federally funded R&D centers]

SECTOR	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987 ¹
Total	843.8	927.4	951.2	963.3	792.5	722.5	746.9	772.7	791.1	801.4
Industry (excl. social scientists) ²	375.6	383.9	409.2	406.8	516.0	533.3	552.4	571.7	583.8	590.0
Universities and colleges, total ²	79.5	82.1	86.9	86.3	89.5	100.4	103.4	108.6	113.5	119.1
Scientists and engineers	61.3	63.5	72.7	73.9	74.5	75.5	77.3	81.1	84.7	87.9
Graduate students	18.2	18.6	23.2	24.4	25.0	24.9	26.1	27.5	28.8	31.2
Federal Government (incl. DOD)	67.5	68.4	68.6	69.2	80.0	61.3	62.1	62.9	63.3	62.3
Other nonprofit institutions ^{2,3}	21.2	23.0	27.5	27.0	27.0	27.5	28.0	29.5	30.5	30.0

¹ Estimated. ² Includes professional R&D personnel employed at FFRDC's administered by industry and other nonprofit institutions. ³ Includes estimates for R&D scientists and engineers employed in State-affiliated institutions.

Source: U.S. National Science Foundation, *National Patterns of Science and Technology Resources*, annual.

No. 982. RESEARCH AND DEVELOPMENT SCIENTISTS AND ENGINEERS—AVERAGE FULL-TIME-EQUIVALENT EMPLOYMENT AND COST, BY INDUSTRY: 1970 TO 1986

[Data are estimates; on average full-time-equivalent (FTE) basis. See *Historical Statistics, Colonial Times to 1970*, series W 167, for total cost per scientist or engineer]

SIC ¹ code	INDUSTRY	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
(X)	Average FTE of scientists and engineers (1,000) ^{2,3}	375.6	383.9	393.6	414.2	437.3	466.2	486.6	516.0	533.3	552.4	570.3	593.7
28	Chemicals ⁴	41.4	44.8	47.4	48.2	50.7	53.1	56.2	63.6	66.6	67.1	68.5	68.1
35	Machinery	42.5	54.3	59.6	59.0	61.2	65.7	72.6	78.2	75.7	78.2	79.6	79.9
36	Electrical equipment ⁵	66.2	61.5	64.3	64.7	66.8	100.7	106.4	110.1	113.2	115.7	117.4	124.5
371	Motor vehicles ⁶	(NA)	25.7	30.1	33.6	36.7	36.7	32.6	29.5	26.8	26.7	31.3	42.3
372,376	Aircraft and missiles	65.2	67.2	77.0	64.3	66.2	60.6	63.2	63.3	66.0	100.2	105.5	100.3
(X)	Cost per scientist or engineer (\$1,000) ^{7,8}	48.1	66.6	75.8	89.4	67.4	94.9	103.9	112.4	118.9	129.8	137.9	138.1
28	Chemicals ⁴	42.6	60.9	67.6	72.6	79.6	67.4	96.6	104.4	109.6	119.2	126.9	132.5
35	Machinery	40.7	58.9	68.6	72.6	76.9	88.9	93.9	102.9	110.9	126.4	136.5	132.9
36	Electrical equipment ⁵	43.9	62.7	66.9	76.6	67.2	91.1	95.3	105.9	123.2	134.9	145.3	144.9
371	Motor vehicles ⁶	(NA)	91.1	111.7	115.6	122.9	135.2	147.4	162.9	185.3	211.6	(D)	(D)
372,376	Aircraft and missiles	61.3	65.1	91.3	69.4	63.3	101.6	129.4	146.4	144.3	158.5	188.6	162.0

D Withheld to avoid disclosure. NA Not available. X Not applicable. ¹ Standard Industrial Classification; see text, section 13. ² The mean number of FTE R&D scientists and engineers employed in January of the year shown and the following January. ³ Includes industries not shown separately. ⁴ Includes allied products. ⁵ Includes communication. ⁶ Includes other transportation equipment. ⁷ Represents the arithmetic mean of the numbers of R&D scientists and engineers reported in each industry for January in two consecutive years divided into total R&D expenditures in each industry.

Source: U.S. National Science Foundation, *Research and Development in Industry*, annual.

NO. 983. SCIENTISTS AND ENGINEERS, BY LABOR FORCE STATUS, SEX, AND FIELD: 1980 AND 1986

[In thousands, except percent. Represents the total science and engineering population in the United States]

FIELD	1980				1986			
	Total		In labor force ¹		Total		In labor force ¹	
	Number	Per cent female	Total	Employed	Number	Per cent female	Total	Employed
Total, all fields	3,869	11.6	2,917	2,866	4,972	15.4	4,000	4,627
Engineers, total	1,800	3.0	1,701	1,676	2,636	4.1	2,471	2,440
Aeronautical/astronautical	76	2.1	71	70	117	3.8	111	111
Chemical	103	4.8	97	95	172	7.8	153	149
Civil	250	2.5	236	232	361	3.7	352	346
Electrical/electronics	404	2.0	386	383	621	3.4	561	575
Mechanical	349	2.0	327	323	548	2.8	499	493
Other engineers	619	4.1	584	574	796	5.1	775	766
Scientists, total	1,283	23.4	1,216	1,165	2,337	26.1	2,229	2,166
Life scientists	313	19.2	295	288	452	26.1	421	412
Computer specialists	215	26.7	210	206	576	29.7	567	563
Physical scientists	235	10.3	220	215	313	13.9	293	288
Social scientists	229	29.5	214	204	459	31.7	438	428
Economists	64	15.9	78	75	177	19.2	169	164
Other social scientists	145	37.3	136	129	282	38.5	270	264
Psychologists	137	38.4	132	126	274	45.5	254	254
Environmental scientists	64	14.2	79	76	123	12.3	116	111
Mathematical scientists	70	29.6	66	64	140	26.9	133	131

¹ Includes scientists and engineers who are employed and those unemployed but actively seeking employment.Source: National Science Foundation, *U.S. Scientists and Engineers: 1986*, and unpublished data.

NO. 984. CHARACTERISTICS OF EMPLOYED SCIENTISTS AND ENGINEERS: 1986

[Percent distribution, except as indicated. Represents total science and engineering employment in the United States]

CHARACTERISTIC	Total	Engineers	Life scientists	Computer specialists	Physical scientists	SOCIAL SCIENTISTS			Psychologists	Environmental scientists	Mathematical scientists
						Total	Economists	Other social scientists			
Total (1,986)	4,627	2,440	412	563	388	428	164	264	284	111	131
Male	64.9	65.9	75.0	71.1	66.4	66.7	60.5	61.4	54.6	68.4	74.1
Female	15.1	4.1	25.0	28.9	13.6	31.3	19.5	38.6	45.4	11.6	25.9
Highest degree:											
Doctorate	13.3	4.3	29.5	3.4	39.6	23.0	21.6	23.7	36.5	18.4	30.7
Master's	23.6	23.0	21.4	25.2	20.3	22.1	21.7	22.3	26.6	31.1	33.7
Bachelor's	55.1	59.9	44.8	69.9	38.0	51.7	53.0	50.8	32.4	46.2	34.1
Other	8.0	12.8	4.5	1.5	2.1	3.2	3.5	3.0	2.6	2.2	1.6
Type of employer:											
Industry	67.8	79.5	37.2	78.2	56.8	50.4	62.5	42.9	40.2	58.5	41.8
Educational institutions	13.6	4.1	35.9	6.7	24.7	26.4	20.5	30.1	31.3	16.4	44.8
Nonprofit organizations	3.6	1.5	7.0	2.5	3.3	6.4	2.2	6.9	17.9	1.2	2.1
Federal Government	7.7	7.6	10.3	6.8	10.3	5.1	7.8	3.4	2.7	15.6	8.5
Military	.6	.8	.4	.5	.3	.3	1	.4	.3	1.3	.4
State, local, and other government	5.0	4.9	7.7	3.7	2.9	9.9	6.3	12.7	5.8	5.3	1.7
Other	1.6	1.7	1.6	1.6	1.7	1.5	1.6	1.5	1.8	1.5	.8

Source: U.S. National Science Foundation, *U.S. Scientists and Engineers: 1986*.

NO. 985. PROFESSIONAL SCIENTIFIC, ENGINEERING, AND TECHNICAL PERSONNEL IN THE FEDERAL GOVERNMENT, BY OCCUPATIONAL GROUP: 1970 TO 1986

[In thousands, except percent. As of October. Excludes health professional personnel]

OCCUPATIONAL GROUP	1970	1975	1980	1983 ^{1,2}	1985 ^{2,3}	1986 ^{2,3}	PERCENT FEMALE					
							1970	1975	1980	1983 ²	1985 ^{2,3}	1986 ^{2,3}
Total	180.2	186.9	206.9	218.9	236.8	239.2	6.7	6.5	9.5	11.8	13.8	14.6
Scientific personnel	77.2	77.3	88.0	89.5	91.4	89.5	8.0	8.8	12.7	14.1	15.6	16.3
Physical sciences	29.8	27.1	27.6	27.1	27.6	27.3	6.4	6.6	9.5	10.9	12.5	13.1
Mathematics ⁴	8.6	10.0	11.1	10.7	11.0	10.6	17.4	15.9	19.8	20.9	22.6	23.3
Life sciences	26.8	26.4	30.5	33.5	33.5	32.5	4.1	5.1	8.7	11.3	12.1	13.0
Social sciences ⁵	6.6	8.0	10.5	9.3	10.1	10.1	16.2	17.6	23.3	22.8	25.1	25.7
Economics	4.3	5.0	5.9	5.3	5.9	5.8	11.1	12.9	17.4	18.4	20.6	21.1
Other	2.3	3.0	4.6	4.0	4.2	4.3	25.1	23.7	30.8	28.7	31.5	31.9
Geography ⁶	3.3	2.9	4.9	5.5	6.7	5.6	8.5	7.9	14.8	16.8	17.0	16.6
Psychology	2.2	2.9	3.3	3.3	3.4	3.4	13.7	14.6	16.8	18.8	21.4	22.4
Engineering personnel	83.0	86.8	89.6	94.3	105.1	106.2	.6	.7	1.9	3.6	5.3	5.8
Computer specialists	20.1	25.0	29.3	36.2	41.5	43.5	21.1	19.1	23.3	27.8	31.4	32.8

¹ Excludes Tennessee Valley Authority (TVA).² Excludes Post Office.³ Data for 1985 and 1986 include personnel at TVA.⁴ Includes statistics.⁵ Includes community planning.⁶ Includes cartography.

Source: U.S. National Science Foundation. Compiled from data supplied by the U.S. Office of Personnel Management.

NO. 980. CIVILIAN EMPLOYMENT OF SCIENTISTS, ENGINEERS, AND TECHNICIANS, BY OCCUPATION AND MAJOR INDUSTRIAL SECTOR: 1986

(In thousands. Based on sample and subject to sampling error. For details, see source)

OCCUPATION	WAGE AND SALARY WORKERS									Self-employed
	Total ¹	Mining ²	Construction	Manufacturing	Transportation ³	Trade	Finance ⁴	Services	Government	
Scientists and engineers	2,139.1	53.5	41.1	829.2	183.1	57.9	77.8	588.9	380.9	131.0
Scientists	805.4	25.5	1.4	141.2	24.1	31.2	65.3	301.3	207.0	92.0
Physical scientists	189.4	20.3	1	56.9	2.2	2.1	.6	48.7	38.3	11.0
Life scientists	133.2	.3	(2)	16.7	.8	1.8	.2	53.0	52.8	7.0
Mathematical scientists	47.6	1	(2)	6.6	1.7	(2)	14.5	14.6	9.9	(2)
Social scientists	144.7	.3	1	(2)	1.5	(2)	9.6	62.8	50.3	54.0
Systems analysts, EDP	311.4	4.5	1.2	61.0	17.9	27.3	41.4	102.2	65.7	20.0
Engineers ⁵	1,331.7	28.0	39.7	688.0	79.0	25.8	10.7	285.6	173.9	39.0
Civil engineers	183.2	1.7	19.4	10.4	8.0	.4	.5	77.8	74.8	6.0
Electrical/electronics engineers	391.5	1.0	6.3	221.0	36.9	13.4	.9	77.4	32.7	9.0
Mechanical engineers	226.7	2.2	6.6	140.5	6.4	6.2	.5	51.0	13.1	4.0
Engineering and science technicians	1,241.1	19.9	31.4	484.8	77.1	79.9	6.9	372.4	162.4	23.0
Electrical/electronics technicians	308.4	1.0	4.7	135.2	29.4	80.3	1.2	51.3	26.2	4.0
Engineering technicians	373.5	4.8	5.0	134.8	28.4	9.4	.8	98.7	94.9	2.0
Drafters	333.2	4.6	21.5	125.6	19.0	7.2	2.6	137.4	13.2	15.0
Science technicians	225.0	6.5	.2	89.0	2.4	3.0	2.4	97.0	26.0	2.0
Surveyors	96.6	3.7	3.8	.1	2.4	(2)	.4	82.9	22.6	8.0
Computer programmers	463.6	3.3	2.3	92.9	94.2	44.2	88.3	192.9	36.1	15.0

² Fewer than 50. ³ Includes agriculture, forestry, and fishing not shown separately. ⁴ Includes oil and gas extraction. ⁵ Includes communications and public utilities. ⁶ Finance, insurance, and real estate. ⁷ Includes kinds of engineers and technicians not shown separately.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, September 1987 and unpublished data.

NO. 987. SCIENTISTS AND ENGINEERS—EMPLOYMENT IN INSTITUTIONS OF HIGHER EDUCATION, BY FIELD: 1980 TO 1985

(In thousands. As of January. Includes full-time and part-time personnel. Excludes graduate students who receive stipends for part-time services as scientists or engineers. R&D = research and development)

FIELD	1980	1983	1984	1985	FIELD	1980	1983	1984	1985
Total	398.3	373.9	386.4	398.0	Mathematical scientists	27.1	31.3	32.6	33.1
Universities, colleges	324.2	358.9	370.4	380.4	Computer scientists	8.9	14.3	16.3	18.0
Engineers ¹	33.7	37.7	36.7	39.9	Life scientists ²	133.7	151.4	156.4	161.7
Aeronautical ²	1.4	1.3	1.4	1.5	Agricultural	15.9	16.7	17.1	17.5
Chemical	2.4	2.4	2.5	2.6	Biological	44.8	48.1	49.3	50.5
Civil	5.5	6.4	6.4	6.7	Medical	67.1	74.4	76.1	78.7
Electrical	8.2	9.6	10.2	10.6	Psychologists	23.3	23.8	23.6	23.6
Mechanical	6.1	6.7	7.1	7.2	Social scientists	54.1	55.4	56.2	56.7
Physical and environmental science ¹	43.5	44.9	46.4	47.2	Economists	14.7	15.6	15.7	15.8
Chemists	17.6	18.3	18.8	19.1	Federally funded R&D centers	15.1	15.1	15.2	15.6
Earth scientists	6.6	6.5	6.7	6.7	Engineers	6.5	6.5	6.0	6.2
Physicists	13.0	13.6	13.9	14.1	Scientists	8.6	8.6	9.2	9.4

¹ Includes other fields not shown separately. ² Includes astronomical.

Source: U.S. National Science Foundation, *Survey of Scientific and Engineering Personnel Employed in Universities and Colleges*, periodic.

NO. 988. GRADUATE SCIENCE AND ENGINEERING STUDENTS IN DOCTORATE-GRANTING INSTITUTIONS, BY FIELD, ENROLLMENT STATUS, AND LEVEL OF STUDY: 1975 TO 1987

(In thousands. As of fall. Includes outlying areas)

FIELD OF SCIENCE	STUDENTS ENROLLED FULL-TIME									STUDENTS ENROLLED PART-TIME		
	Total			First year			Beyond first year			TIME		
	1975	1980	1987	1975	1980	1987	1975	1980	1987	1975	1980	1987
Total	219.3	230.5	264.8	76.3	77.3	78.3	131.2	153.2	186.5	63.4	103.1	123.8
Engineering	37.1	41.8	51.2	16.4	15.7	19.3	20.6	26.2	41.8	27.5	28.2	36.8
Physical sciences	21.3	22.2	27.6	6.0	5.7	6.5	5.3	16.5	21.1	3.3	3.1	3.3
Environmental sciences	9.0	10.3	10.2	3.3	3.4	2.5	5.7	6.9	7.7	2.0	2.5	3.3
Mathematics	10.0	9.4	12.4	3.8	3.2	3.6	6.4	6.1	6.8	4.4	4.3	3.8
Computer sciences	4.1	5.9	13.8	1.8	2.3	4.5	2.3	3.6	9.1	2.9	5.5	11.8
Life sciences	56.6	67.7	68.8	23.3	23.0	20.2	36.3	44.7	48.4	14.0	22.8	28.0
Psychology	18.7	21.6	22.7	5.7	5.7	5.7	14.0	15.9	17.0	7.2	7.8	8.8
Social sciences	49.5	51.5	48.7	19.0	18.3	18.0	30.5	33.2	32.7	22.3	26.3	21.9
Economics	8.0	8.9	8.6	3.1	2.9	2.6	4.9	6.1	6.0	2.0	2.2	2.3

Source: U.S. National Science Foundation, *Survey of Graduate Science and Engineering Students and Postdoctorates*, 1988.

**NO. 989. DOCTORATES CONFERRED, BY RECIPIENTS' CHARACTERISTICS, 1975 TO 1987, AND BY
SELECTED SCIENCE AND ENGINEERING FIELDS, 1987**

CHARACTERISTIC	ALL FIELDS				1987								
	1975	1980	1985	1986	All fields ¹	Engi- neering	Physi- cal sci- ences ²	Mathe- matics	Com- puter sci- ences	Psy- chology	Biologi- cal sci- ences ³	Social sci- ences ⁴	Other social sci- ences ⁴
Doctorates conferred	32,951	31,020	31,243	31,643	32,278	3,716	3,837	740	450	3,098	3,824	623	1,758
Percent distribution	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Male	78.1	69.7	65.7	64.6	64.8	93.5	83.3	63.4	65.6	46.7	64.7	63.0	62.3
Female	21.9	30.3	34.3	35.4	35.2	6.5	16.7	36.6	34.4	53.3	35.3	37.0	37.7
White ⁵	66.7	64.6	66.2	66.6	66.2	76.2	87.8	80.6	83.3	69.5	67.9	63.4	64.8
Asian ⁶	3.6	4.2	4.3	4.3	4.6	17.1	6.0	10.4	9.5	1.7	5.3	6.7	4.7
Black and other ⁶	4.9	6.3	7.2	7.0	6.6	3.4	3.4	5.5	3.2	7.4	4.3	5.6	7.6
Not reported ⁶	4.8	4.9	2.3	2.1	2.2	3.3	2.8	3.5	4.0	1.4	2.5	2.3	2.9
U.S. citizens	82.1	81.0	74.5	72.1	70.8	41.8	65.1	46.6	54.0	67.0	77.7	50.6	66.1
Foreign citizens	15.9	15.9	20.9	21.0	22.2	50.7	28.5	47.6	38.7	4.6	16.9	41.1	24.0
Citizenship unknown	2.0	3.1	4.6	6.9	7.0	7.4	6.4	5.8	7.3	6.5	5.4	8.1	7.9
Median age at award ⁶ (yr)	31.5	32.2	33.3	33.5	33.6	31.0	29.8	30.8	31.7	31.1	30.8	31.6	35.5
Median total time, ⁶ baccalaureate to doctorate (yr)	8.6	9.3	10.2	10.4	10.4	6.1	7.1	7.9	9.1	9.9	8.1	9.0	11.8
Registered time (yr)	5.9	6.3	6.8	6.6	6.9	5.6	5.9	6.3	6.6	7.1	6.5	6.5	7.6

NA: Not available. ¹ Includes other fields, not shown separately. ² Astronomy, physics, chemistry, and earth sciences. ³ Biochemistry, botany, microbiology, physiology, zoology, and related fields. ⁴ Anthropology, sociology, political science, and international relations. ⁵ Data on race limited to U.S. citizens and non-U.S. citizens with permanent government visas. ⁶ For definition of median, see Guide to Tabular Presentation.

Source: U.S. National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*.

**NO. 990. NOBEL PRIZE LAUREATES IN CHEMISTRY, PHYSICS, AND PHYSIOLOGY/MEDICINE—SELECTED
COUNTRIES, 1901 TO 1987**

(Presented by location of award-winning research and by date of award)

COUNTRY	1901-1987				1901- 1915	1916- 1930	1931- 1945	1946- 1960	1961- 1975	1976- 1987
	Total	Physi- cs	Chem- istry	Physi- ology/ Medi- cine						
Total	984	191	169	144	62	41	48	74	92	76
United States	145	49	33	63	3	3	14	36	41	46
United Kingdom	86	21	24	23	7	6	11	14	20	6
West Germany ¹	83	16	25	12	15	12	11	4	6	1
France	22	8	7	7	10	3	2	-	5	2
Soviet Union	10	7	1	2	2	-	-	4	3	1
Japan	4	3	1	-	-	-	-	1	2	1
Other countries	62	27	18	37	15	15	11	13	13	15

- Represents zero. ¹ Includes East Germany before 1946.

Source: U.S. National Science Foundation, unpublished data.

NO. 991. FEDERAL SPACE PROGRAM—BUDGET AUTHORITY, BY AGENCY, 1960 TO 1988

(In millions of dollars, except percent. For fiscal years ending in year shown; see text, section 9 NASA—National Aeronautics and Space Administration)

YEAR	Total	NASA ¹		DEFENSE		Other	YEAR	Total	NASA ¹		DEFENSE		Other
		Total	Per cent of total	Total	Per cent of total				Total	Per cent of total	Total	Per cent of total	
1960	1,066	462	43.3	52.6	4.9	43	1977	5,983	3,440	57.5	2,412	40.3	131
1965	6,956	5,138	73.9	1,574	22.6	244	1978	6,518	3,823	58.6	2,738	42.0	157
1966	6,970	5,065	72.7	1,689	24.2	217	1979	7,244	4,030	55.6	3,036	41.9	178
1967	6,710	4,830	72.0	1,654	24.6	216	1980	6,689	4,680	53.9	3,848	44.3	160
1968	6,529	4,430	67.9	1,922	29.4	177	1981	6,978	4,992	50.0	4,628	48.4	156
1969	5,976	3,622	60.6	2,013	33.7	141	1982	12,441	5,526	44.4	6,679	53.7	234
1970	5,341	3,547	66.4	1,678	31.4	115	1983	15,589	6,328	40.6	9,019	57.9	242
1971	4,741	3,101	65.4	1,512	31.9	127	1984	17,136	6,648	38.8	10,195	59.5	293
1972	4,575	3,071	67.1	1,407	30.8	97	1985	20,167	6,925	34.3	12,768	63.3	474
1973	4,825	3,093	64.1	1,823	33.6	109	1986	21,659	7,165	33.1	14,126	65.2	368
1974	4,640	2,759	59.4	1,786	38.1	116	1987 ²	25,676	9,809	37.9	15,717	60.7	350
1975	4,914	2,915	59.3	1,892	38.5	107	1988 ³	26,409	8,758	33.2	17,196	65.1	457
1976 ²	6,880	4,075	61.2	2,444	38.7	142							

¹ Includes budget authority for the space transportation system of \$3.1 billion in 1982; \$4.1 billion in 1983; and \$4.0 billion in 1984.

² Includes transition quarter, July 1 to Sept. 30, 1976. ³ Estimated.

Source: U.S. National Aeronautics and Space Administration, *Aeronautics and Space Report of the President*, annual. Data from U.S. Office of Management and Budget.

No. 992. SPACE VEHICLE SYSTEMS—NET SALES AND BACKLOG ORDERS: 1965 TO 1986

[In millions of dollars. Backlog orders as of Dec. 31. Based on data from major companies engaged in manufacture of aerospace products. Includes parts but excludes engines and propulsion units]

YEAR	NET SALES			BACKLOG ORDERS			YEAR	NET SALES			BACKLOG ORDERS		
	Total	Mil- itary	Non- military	Total	Mil- itary	Non- military		Total	Mil- itary	Non- military	Total	Mil- itary	Non- military
1965.....	2,449	602	1,847	2,203	503	1,700	1982.....	4,749	2,603	2,143	4,337	2,403	1,934
1970.....	1,956	1,025	931	1,154	786	368	1983.....	4,940	2,420	2,520	4,865	2,733	2,132
1975.....	2,119	1,066	1,023	1,304	1,019	285	1984.....	5,225	3,019	2,206	4,824	3,099	1,525
1980.....	3,463	1,461	2,022	1,814	951	863	1985.....	6,300	4,241	2,059	6,707	4,941	1,766
1981.....	3,356	1,736	2,120	3,174	2,164	1,010	1986.....	6,304	4,579	1,725	8,063	6,026	2,035

¹ Includes data for non-military missile systems and parts.
Source: U.S. Bureau of the Census, *Current Industrial Reports*, MA-37D, *Aerospace Industry (Orders, Sales, and Backlog)*.

No. 993. NATIONAL AERONAUTICS AND SPACE ADMINISTRATION—BUDGET SUMMARY: 1966 TO 1988

[In millions of dollars]

ITEM	1966	1967	1968	ITEM	1966	1967	1988
Appropriations, total	7,764	10,576	9,027	Space flight, control and data communication programs	3,670	5,815	3,811
Research and development	2,619	3,126	3,296	Space Shuttle production and operational capability	1,370	3,105	1,088
Space Science and applications	1,476	1,553	1,578	Orbiter	397	373	329
Physics and astronomy	569	553	611	Propulsion systems	793	464	595
Life sciences	66	72	70	Launch and mission support	180	146	165
Planetary exploration	354	358	329	Orbiter replacement	-	2,100	-
Space applications	487	569	566	Changes and systems upgrade	-	20	-
Environmental observations	272	321	314	Space transportation operations	1,640	1,847	1,810
Safety, reliability, and quality assurance	-	9	14	Flight hardware	691	936	777
Commercial programs	27	41	74	Flight operations	434	558	584
Space transportation capability development ¹	404	498	610	Launch and landing operations	315	353	450
Upper stages	122	161	155	Expendable launch vehicles	-	-	26
Engineering and technical base	110	133	134	Space and ground network, communications and data systems	660	663	664
Space lab	78	74	67	Space network	274	407	436
Aeronautics and space technology	496	592	612	Ground network	210	250	232
Aeronautical research and technology	337	421	368	Communications and data systems	176	205	217
Space research and technology	159	171	224	Research and program management	1,342	1,467	1,743
Space station	200	420	392	Construction of facilities	133	166	179
Tracking and data advanced systems	16	17	18				

- Represents or rounds to zero. ¹ Includes other items not shown separately.
Source: U.S. National Aeronautics and Space Administration, *NASA News*.

No. 994. NASA—OUTLAYS FOR OPERATIONAL ACTIVITIES AND FOR RESEARCH AND DEVELOPMENT: 1965 TO 1987

[In millions of dollars, except percent. For fiscal year ending in year shown; see text, section 9. Minus sign (-) indicates decrease]

YEAR	AGENCY TOTAL		PERFORMANCE (OPERATIONS)			PERFORMANCE (R&D)				FACILITIES (R&D)			
	Total outlays	Percent change ¹	Total operations	Space flight	Other	Total	Space flight	Space science, applications ²	Air transport and other	Total R&D	Space flight	Space science, applications ²	Air transport and other
1966.....	5,093	22.1	(?)	(?)	(?)	³ 4,562	³ 3,138	³ 1,126	³ 298	531	401	78	52
1970.....	3,753	- 11.7	(?)	(?)	(?)	³ 3,699	³ 2,195	³ 983	³ 541	54	14	21	19
1975.....	3,266	.3	(?)	(?)	(?)	³ 3,181	³ 1,500	³ 1,076	³ 806	85	35	9	42
1980.....	4,850	15.8	1,245	914	331	3,465	1,642	1,341	482	140	36	5	97
1983.....	6,664	10.4	4,018	3,431	587	2,538	596	1,486	456	106	28	-	82
1984.....	7,046	5.8	3,317	2,854	463	3,539	1,183	1,667	689	192	44	20	128
1985.....	7,251	2.9	4,034	⁴ 3,310	724	2,970	542	1,834	594	247	70	23	154
1986.....	7,404	2.1	3,673	2,947	726	3,432	740	2,101	591	299	107	26	166
1987.....	7,591	2.5	4,027	3,250	777	3,250	768	1,583	899	314	119	25	170

- Represents zero. ¹ Change from immediate prior year. ² Includes technology. ³ Performance (operations) included in performance (R&D). ⁴ Excludes intragovernmental funds, Federal Financing Bank, direct loan principle repayments—\$67 million in 1986.

Source: U.S. Office of Management and Budget, *Budget of the United States Government*, annual.

NO. 995. NASA—PERMANENT PERSONNEL DISTRIBUTION SUMMARY: 1975 TO 1987

CODE AND INSTALLATION	1975	1980	1983	1984	1985	1986	1987		
							Total	Per-cent male	Per-cent Black ¹
Total	24,333	22,813	21,826	21,418	21,433	21,228	21,831	73.2	8.3
Professional	15,109	14,749	14,804	14,410	14,819	14,803	15,482	81.3	5.5
Scientists and engineers, aerospace technicians	11,438	10,779	10,779	10,805	10,884	10,825	11,480	88.2	3.8
Administrators	3,504	3,639	3,980	3,526	3,675	3,656	3,803	57.1	10.6
Scientists and engineers, non aerospace technicians	180	377	284	228	209	171	178	88.6	6.7
Life sciences	47	54	52	53	51	51	51	78.5	7.8
Non-professional	9,164	7,864	7,260	7,005	6,604	6,425	6,349	53.5	14.6
INSTALLATION									
Headquarters	1,582	1,518	1,505	1,408	1,383	1,382	1,532	86.0	20.5
Ames Research Center, CA ²	2,181	2,116	2,082	2,083	2,062	2,072	2,079	78.6	4.7
Lewis Research Center, Cleveland, OH	3,042	2,822	2,678	2,850	2,715	2,598	2,683	81.8	6.1
Langley Research Center, Hampton, VA	3,315	2,986	2,966	2,873	2,827	2,814	2,851	77.8	9.2
Goddard Space Flight Center, MD ³	4,185	3,818	3,718	3,581	3,629	3,679	3,648	73.3	9.2
Marshall Space Flight Center, AL	4,100	3,583	3,412	3,264	3,264	3,280	3,384	71.8	8.8
National Space Technology Labs, MS	89	103	111	112	122	123	137	88.6	8.8
Johnson, Houston, TX	3,660	3,908	3,305	3,316	3,330	3,288	3,348	70.3	7.3
Kennedy, FL	2,259	2,201	2,146	2,116	2,081	2,051	2,188	72.4	5.4

¹ Excludes Hispanic Blacks. ² Includes Flight Research Center, California. ³ Includes Wallops Flight Research Center, Virginia.

Source: U.S. National Aeronautics and Space Administration, 1975-1985, *Personnel Management Information System (PMIS)*, annual; beginning 1986, *The Civil Service Work Force*, annual.

NO. 996. SPACE SHUTTLE SYSTEM EXPENDITURES BY NASA IN CONSTANT (1982) DOLLARS: 1972 TO 1987

[In millions of dollars. For year ending Sept. 30. These data cannot be used alone to estimate the total shuttle cost. Only operating expenditures correspond to an annual cost in the economic series, and even those estimates require adjustment for the three-year period over which the cost of a shuttle flight is incurred and reimbursements are received. For details, see source.]

YEAR	Total	D.D.T. and E. ¹	Construction	Production	Operations	YEAR	Total	D.D.T. and E. ¹	Construction	Production	Operations
1972	40	-	40	-	-	1980	2,751	1,338	42	907	483
1973	58	-	58	-	-	1981	2,724	1,041	13	1,083	576
1974	325	210	109	-	-	1982	2,832	884	30	1,283	736
1975	1,543	1,407	138	-	-	1983	3,014	-	38	1,636	1,284
1976	2,819	2,541	79	-	-	1984	3,127	-	73	980	2,364
1977	2,266	2,069	80	109	-	1985	2,636	-	42	1,376	1,218
1978	2,082	1,886	103	81	-	1986	3,311	-	-	1,804	1,507
1979	2,251	1,713	42	486	-	1987	5,808	-	-	3,841	1,966

- Represents zero. ¹ Design, development, testing, and evaluation.

Source: U.S. Congress, Congressional Budget Office, estimate March 1986 and U.S. National Aeronautics and Space Administration, *NASA Budget Estimates for Fiscal Year 1988*.

NO. 997. WORLD-WIDE SUCCESSFUL SPACE LAUNCHES: 1957 TO 1987

[Criterion of success is attainment of Earth orbit or Earth escape. E.S.A. = European Space Agency]

YEAR	Total ¹	Soviet Union	United States	Japan	E.S.A.	India	China: Mainland	YEAR	Total ¹	Soviet Union	United States	Japan	E.S.A.	India	China: Mainland
Total	2,378	2,016	678	34	16	3	18	1975-1979	807	451	126	10	1	-	8
1957-1959	21	6	15	-	-	-	-	1980-1984	805	483	83	12	6	3	8
1960-1964	268	78	182	-	-	-	-	1985	121	97	17	2	2	-	1
1965-1969	586	302	279	-	-	-	-	1986	108	91	8	2	2	-	2
1970-1974	555	405	129	5	-	-	2	1987	110	86	8	3	2	-	2

- Represents zero. ¹ Includes launches in other countries not shown separately.

Source: Library of Congress, Congressional Research Service, Science Policy Research Division, *Space Activities of the United States, Soviet Union and Other Launching Countries/Organizations: 1957-1987*, February 1988.



Section 21

Transportation— Land

This section presents statistics on revenues, passenger and freight traffic volume, and employment in various revenue-producing modes of the transportation industry, including motor vehicles, trains, and pipelines. Data are also presented on commuting travel; highway mileage and finances; motor vehicle travel, accidents, sales, and registrations; automobile operating costs; and characteristics of public transit, railroads, and pipelines.

The principal compiler of data on public roads and on operation of motor vehicles is the U.S. Department of Transportation's (DOT) Federal Highway Administration (FHWA). These data appear in FHWA's annual *Highway Statistics* and other publications. The U.S. Interstate Commerce Commission (ICC) presents data on interstate land transport in its publications, the *Annual Report to Congress* and the *Transport Statistics in the United States*, which contain data on railroads and motor carriers subject to ICC regulations.

The U.S. National Highway Traffic Safety Administration issues data on traffic accident deaths and death rates in two annual reports: the *Fact Book* and the *Fatal Accident Reporting System Annual Report*. DOT's Federal Railroad Administration presents data on accidents involving railroads in its annual *Accident/Incident Bulletin*, and the *Rail-Highway Crossing Accident/Incident and Inventory Bulletin*.

Various censuses and surveys conducted by the U.S. Bureau of the Census also provide data. Results of the censuses of transportation are presented in the *Truck Inventory and Use Survey*. The *Annual Survey of Manufactures* and reports of the censuses of manufactures, wholesale and retail trade, and service industries contain statistics on the motor vehicle and equipment industry and on retail, wholesale, and services aspects of this industry. Data on persons commuting to work were collected as part of the 1980 census and are in various census reports.

Data are also presented in many nongovernment publications. Among them are: The weekly and annual *Cars of Revenue Freight Loaded* and the annual *Yearbook of Railroad Facts*, both published by the Association of American Railroads, Washington, DC; *Bus Facts*, issued annually by the American Bus Association, Washington, DC; and the *Transit Fact Book*, containing electric railway and motorbus statistics, published annually by the American Public Transit Association, Washington, DC. Useful annual handbooks in the field of transportation are *Motor Vehicle Facts and Figures* and *World Motor Vehicle Data*, issued by the Motor Vehicle Manufacturers Association of the United States, Inc., Detroit, MI; *Accident Facts*, issued by the National Safety Council, Chicago, IL; and *Transportation in America*, issued by the Transportation Policy Associates, Washington, DC.

Urban and rural highway mileage.—Beginning 1980, mileage is classified in urban and rural categories, rather than municipal and rural. Urban denotes the Federal-aid legislation definition of an area. Such areas include, as a minimum, a census place with a population of 5,000 to 49,999 or a designated urbanized area with a population of 50,000 or more. These Federal-aid urban areas may extend beyond corporate and census boundaries, and thus are not necessarily coextensive with municipal boundaries. Rural in 1980 refers to non-Federal-aid urban area mileage. Prior to 1980, municipal referred to roads within incorporated places, densely populated New England towns, and certain of the more populous unincorporated areas and rural to non-municipal roads.

Federal-aid highway systems.—Federal law provides that Federal funds be matched in varying proportions with State funds for the costs of planning, engineering, right-of-way acquisition, and construction of highways. Other costs, such as maintenance and policing, are borne entirely by the States and local agencies.

Effective July 1, 1976, a uniform road classification system was implemented which shortened the mileage of the highway system and redefined the three main systems of Federal-aid routes. The Federal-aid primary system is comprised of a network of main roads important to interstate, statewide, and regional travel. The system consists of main rural roads and their extensions into or through urban areas. The Federal-aid secondary system consists of rural roads of a more local nature, such as those which connect county seats and the larger population centers not served by the primary system. The Federal-aid urban system is located in urban places of 5,000 or more persons and consists of major urban roads and streets, except those on the primary system.

Regulatory bodies.—The ICC, created by the U.S. Congress to regulate transportation in interstate commerce, has jurisdiction over railroads, trucking companies, bus lines, freight forwarders, water carriers, coal slurry pipelines, and transportation brokers. The Federal Energy Regulatory

Commission is responsible for setting rates and charges for transportation and sale of natural gas and for establishing rates or charges for transportation.

Motor carriers.—For 1960-1973, class I for-hire motor carriers of freight were classified by the ICC as those with \$1 million or more of gross annual operating revenue; 1974-1979, the class I minimum was \$3 million. Effective January 1, 1980 class I carriers are those with \$5 million or more in revenue. For 1960-1968, class I motor carriers of passengers were classified by the ICC as those with \$200,000 or more of gross annual operating revenue; for 1969-1976, as those with revenues of \$1 million or more; and since 1977, as those with \$3 million or more. Effective January 1, 1988 class I motor carriers of passengers are those with \$5 million or more in operating revenues; class II less than \$5 million in operating revenues.

Railroads.—Railroad companies reporting to the ICC are divided into specific groups as follows: (1) Regular line-haul (interstate) railroads (and their non-operating subsidiaries); (2) switching and terminal railroads; (3) private railroads prior to 1984 (identified by ICC as "circular" because they reported on brief circulars); and (4) unofficial railroads, so designated when their reports are received too late for tabulation. For the most part, the last 3 groups are not included in the statistics shown here.

For years prior to 1978, class I railroads were those with annual revenues of \$1 million or more for 1950-1955; \$3 million or more for 1956-1964; \$5 million or more for 1965-1975; and \$10 million or more for 1976-1977. In 1978, the classification became class I, those having more than \$50 million gross annual operating revenue; class II, from \$10 million to \$50 million; and class III, less than \$10 million. Effective January 1, 1982, the ICC adopted a procedure to adjust the threshold for inflation by restating current revenues in constant 1978 dollars. In 1987, the criteria for class I and class II railroads were \$87.9 million and \$17.6 million, respectively. Also effective January 1, 1982, the ICC adopted a *Carrier Classification Index Survey Form* for carriers not filing annual report form R-1 with the commission. Class II and class III railroads are currently exempted from filing any financial report with the Commission. The form is used for reclassifying carriers.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

NO. 998. PASSENGER AND FREIGHT TRANSPORTATION OUTLAYS, BY TYPE OF TRANSPORT: 1970 TO 1987

(In billions of dollars. Freight data include outlays for mail and express. ICC—Interstate Commerce Commission)

TYPE OF TRANSPORT	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987, est.
Total outlays ¹	196.6	297.8	446.1	462.4	540.9	595.3	588.7	636.7	706.0	786.8	786.8	779.7
Passenger, total	114.9	187.4	279.3	307.6	336.9	373.5	377.7	409.0	456.7	483.5	490.7	504.7
Private transportation	99.6	161.3	241.9	263.9	284.8	317.4	320.6	347.2	387.0	419.3	424.4	424.6
Automobiles ²	97.0	155.8	235.9	258.8	278.7	308.0	312.4	339.8	378.8	411.0	416.9	417.4
New and used cars	32.1	46.0	80.4	77.1	73.9	82.6	85.7	105.6	125.7	139.3	156.0	147.4
Tires, tubes, accessories	7.1	12.4	17.2	19.8	22.2	24.6	24.9	28.9	27.5	29.4	29.4	30.0
Gasoline and oil	29.9	53.9	80.3	78.3	99.7	111.3	108.3	105.9	108.7	108.9	88.6	94.2
Insurance less claims	4.4	4.5	10.2	10.3	11.5	10.6	11.2	12.5	12.0	11.8	14.7	15.0
Interest on debt	4.7	7.3	12.8	15.4	17.5	21.0	21.8	19.6	25.1	26.7	25.4	25.0
Registration and operator's permit fees	1.9	2.3	3.0	3.1	3.3	3.5	3.8	4.1	4.5	5.3	5.6	5.6
Repair, greasing, washing, parking, tolls ³	19.2	22.1	33.0	28.7	38.0	41.5	43.5	45.7	50.4	58.8	60.9	62.0
Air	2.6	4.7	5.9	7.1	8.1	9.4	8.2	7.4	8.2	6.3	7.6	7.2
For-hire transportation	15.3	26.2	37.3	43.3	52.2	58.1	57.1	61.8	68.7	74.2	75.2	80.1
Local ⁴	5.4	10.5	13.9	15.4	18.5	20.4	21.3	22.3	23.6	27.7	26.5	26.6
Bus and transit ⁵	1.8	4.7	6.7	7.6	9.2	10.1	10.3	11.4	11.7	15.1	15.4	15.2
School bus	1.2	2.2	2.7	3.2	3.8	4.7	5.0	5.2	5.6	6.1	6.3	6.3
Taxi	2.1	3.4	4.3	4.5	5.2	5.2	5.6	5.3	5.5	6.6	6.0	6.3
Inter-city	7.7	12.9	19.8	23.3	28.4	30.8	30.5	33.5	38.5	39.5	39.8	43.6
Air	6.6	11.2	17.1	20.4	25.1	28.6	28.8	29.7	33.6	35.9	36.2	40.5
Rail ⁶	.3	.6	1.3	1.4	1.6	1.9	1.8	1.8	1.6	1.6	1.5	1.4
Bus	.8	1.0	1.2	1.4	1.7	1.8	1.9	2.0	2.0	2.0	1.9	1.7
International	2.2	2.7	3.8	4.6	5.3	5.3	5.4	6.0	6.6	7.0	7.1	7.9
Freight, total ⁴	83.8	115.5	174.0	192.9	212.1	234.6	220.9	240.5	262.1	274.9	279.7	287.8
Highway	62.5	84.8	128.8	142.7	155.4	173.3	162.7	180.5	195.6	208.6	214.1	220.3
Truck, inter-city	33.6	47.4	79.6	90.2	94.6	100.2	99.9	111.1	120.7	126.2	129.1	132.6
Truck, local	28.8	37.3	49.1	52.3	60.5	72.8	62.5	69.2	74.7	82.2	84.8	87.3
Rail	11.9	16.3	21.9	24.6	27.7	30.5	27.1	27.3	30.5	29.2	27.8	26.4
Water	9.1	7.9	12.4	13.4	14.8	16.7	16.6	16.2	17.5	18.7	18.8	19.0
Oil pipeline	1.4	2.2	5.6	8.2	7.1	7.4	7.9	6.3	6.7	6.3	6.1	6.3
Air carrier	1.2	1.8	2.7	2.6	4.0	4.3	4.4	5.0	6.0	6.6	7.5	8.4

¹ Total outlays less than sum of passenger and freight totals, as estimated freight costs included in costs of new cars, gasoline, oil, tires, and tubes have been excluded to prevent duplication. ² Includes business-owned vehicles. ³ Includes storage and rental. ⁴ Includes items not shown separately. ⁵ Includes Federal, State and local government operating subsidies and capital grants. ⁶ Includes Federal operating subsidies and capital grants for Amtrak.

Source: Transportation Policy Associates, Washington, DC, *Transportation in America*, March 1988, with periodic supplements. (Copyright.)

No. 999. EMPLOYMENT AND EARNINGS IN TRANSPORTATION, BY INDUSTRY: 1970 TO 1987

[Annual averages of monthly figures. Based on Current Employment Statistics program; see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series Q 36-42]

code	INDUSTRY	1970	1975	1980	1985	1989	1984	1983	1986	1987
	NUMBER (1,000)									
00	Total.....	2,844	2,836	2,932	2,786	2,745	2,617	3,003	3,058	3,186
40	Railroads.....	634	548	532	429	378	378	325	332	309
4011	Class I railroads.....	586	498	482	398	348	345	275	294	271
41	Local and interurban passengers.....	269	270	265	263	257	271	278	287	295
421, 3	Trucking, incl. terminals.....	969	1,024	1,188	1,125	1,132	1,227	1,267	1,297	1,356
422	Public warehousing.....	64	64	91	64	85	91	96	90	108
44	Water transportation.....	213	195	213	202	191	191	188	176	178
46	Air transportation.....	352	363	453	444	456	466	522	567	604
46	Pipelines, exc. natural gas.....	18	18	21	21	20	19	19	18	18
47	Transportation services.....	115	134	196	220	229	253	276	282	299
	AVERAGE WEEKLY EARNINGS (dol.)									
4011	Class I railroads.....	172	262	427	484	542	573	695	606	627
41	Local and interurban passengers.....	NA	148	217	246	252	258	261	274	282
421, 3	Trucking, incl. terminals.....	164	247	386	401	408	415	412	415	421
422	Public warehousing.....	121	171	248	277	288	306	315	318	326
46	Pipelines, exc. natural gas.....	169	280	441	536	566	597	629	637	644

NA Not available. ¹ Standard Industrial Classification, see text, section 13.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

No. 1000. VOLUME OF DOMESTIC INTERCITY FREIGHT AND PASSENGER TRAFFIC, BY TYPE OF TRANSPORT: 1970 TO 1987

[A ton-mile is the movement of 1 ton (2,000 pounds) of freight for the distance of 1 mile. A passenger-mile is the movement of 1 passenger for the distance of 1 mile. Compares public and private traffic, both revenue and nonrevenue. See also *Historical Statistics, Colonial Times to 1970*, series Q1-22]

TYPE OF TRANSPORT	1970	1975	1976	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987 ¹
FREIGHT TRAFFIC (bil. ton-miles)													
Total.....	1,936	2,232	2,068	2,467	2,573	2,467	2,430	2,252	2,337	2,515	2,458	2,501	2,673
Railroads.....	771	858	759	868	927	932	924	810	841	835	805	889	976
Motor vehicles.....	412	505	454	599	608	555	527	520	575	606	610	634	666
Inland waterways ²	319	358	342	409	425	407	410	351	359	389	392	393	436
Oil pipelines.....	431	507	507	586	606	586	564	589	556	588	584	576	587
Domestic airways ³	3.3	4.0	3.7	4.8	4.6	4.8	5.1	5.1	5.9	6.5	6.7	7.3	8.7
PERCENT DISTRIBUTION													
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Railroads.....	39.82	38.44	36.74	35.18	36.03	37.47	38.02	36.00	36.09	37.18	36.41	35.55	36.51
Motor vehicles.....	21.28	22.63	21.97	24.28	23.64	22.32	21.69	23.11	24.80	24.10	24.82	25.36	24.91
Inland waterways ²	16.48	16.04	16.55	16.58	16.52	16.37	16.87	15.60	15.36	15.86	15.54	15.71	16.27
Oil pipelines.....	22.26	22.72	24.54	23.75	23.64	23.64	23.21	26.16	23.79	22.58	22.85	23.11	21.97
Domestic airways ³	17	18	19	19	18	19	21	23	25	26	28	29	34
PASSENGER TRAFFIC (bil. passenger-miles)													
Total.....	1,181	1,341	1,354	1,608	1,580	1,558	1,573	1,809	1,645	1,687	1,744	1,806	1,870
Private automobiles.....	1,026	1,163	1,171	1,362	1,322	1,300	1,319	1,345	1,364	1,388	1,418	1,450	1,494
Domestic airways ⁴	119	143	148	203	226	219	216	227	245	263	291	320	341
Bus ⁵	25	26	25	26	26	27	27	27	26	25	24	24	23
Railroads ⁶	11	9	10	11	12	11	11	10	10	10	11	12	12
PERCENT DISTRIBUTION													
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Private automobiles.....	86.85	86.73	86.48	85.02	83.14	83.44	83.80	83.53	82.82	82.28	81.31	80.29	79.89
Domestic airways ⁴	10.06	10.66	10.93	12.67	14.34	14.06	13.72	14.11	14.88	15.56	16.58	17.72	18.24
Bus ⁵	2.12	1.94	1.85	1.62	1.76	1.73	1.72	1.68	1.64	1.48	1.36	1.33	1.23
Railroads ⁶.....	.93	.67	.74	.69	.75	.71	.70	.68	.67	.65	.63	.66	.64

¹ Preliminary. ² Includes Great Lakes and inland waterways, but not coastwise, traffic. ³ Revenue service only for scheduled and non-scheduled carriers, with small section 418 all-cargo carriers included from 1976. Includes express, mail, and express baggage. ⁴ Includes general aviation (mostly private business) flying. ⁵ Excludes school and urban transit buses. ⁶ Includes electric railways and rail commuter service.

Source: Transportation Policy Associates, Washington, DC, *Transportation in America*, March 1986, with periodic supplements. (Copyright.)

NO. 1001. TRANSPORTATION ACCIDENTS, AND RESULTING DEATHS AND INJURIES, BY TYPE OF TRANSPORT: 1970 TO 1987

[For motor vehicle data, see also tables 1018 and 1019; for railroad data, see also table 1037; for air carrier and general aviation data, see also tables 1044 and 1050]

YEAR AND CASUALTY	Total (1,000)	TYPE OF TRANSPORT											Hazardous materials ¹¹
		Motor vehicle ¹ (1,000)	Railroad ²	Air carriers				General aviation ⁶	Recreational boating ⁷	Gas pipelines ⁸	Liquid pipelines ⁹	Water-borne ¹⁰	
				—	Air lines ³	Commuter air carriers ⁴	On demand air carriers ⁵						
Accidents:													
1970	16,013	18,000	8,095	(NA)	(NA)	(NA)	(NA)	(NA)	3,503	1,019	351	(NA)	(NA)
1975	16,524	18,500	8,041	237	37	48	152	3,995	6,308	1,373	254	3,310	10,951
1980	17,925	17,900	8,451	228	18	38	171	3,580	5,513	1,988	219	4,624	15,737
1981	18,020	18,000	5,781	214	26	51	157	3,500	5,208	1,995	239	3,503	10,070
1982	18,118	18,100	4,589	176	18	28	132	3,231	5,377	1,711	200	3,174	6,836
1983	18,319	18,300	3,908	184	34	18	140	3,060	5,589	1,575	181	4,704	5,845
1984	18,817	18,800	3,900	185	18	22	146	3,006	5,700	985	188	3,275	5,778
1985	19,348	19,300	3,275	195	23	22	152	2,745	6,237	331	183	3,438	6,014
1986	19,320	17,700	2,820	155	23	15	117	2,581	6,407	227	210	3,025	5,788
1987	(NA)	(NA)	2,513	186	35	34	97	2,485	6,748	230	235	(NA)	6,215
Deaths:													
1970	54.8	52.8	785	(NA)	(NA)	(NA)	(NA)	(NA)	1,416	22	4	(NA)	(NA)
1975	48.2	44.5	575	221	124	28	89	1,252	1,488	14	7	243	27
1980	54.5	51.1	584	143	1	37	105	1,239	1,380	11	3	206	19
1981	52.5	49.3	556	132	4	34	94	1,282	1,206	17	5	154	25
1982	47.2	43.9	512	320	234	14	72	1,162	1,178	31	—	223	12
1983	45.7	42.6	498	89	15	12	82	1,081	1,241	12	6	289	8
1984	44.6	44.3	508	102	4	46	82	1,115	1,063	35	—	113	7
1985	47.3	43.8	454	840	526	37	77	978	1,118	26	5	131	6
1986	48.8	48.1	475	75	4	4	67	955	1,086	38	4	182	16
1987	(NA)	48.3	540	354	232	80	82	804	1,035	11	—	(NA)	13
Injuries:													
1970	2,024	2,000	21,327	(NA)	(NA)	(NA)	(NA)	(NA)	780	347	21	(NA)	(NA)
1975	1,858	1,800	54,308	109	71	6	32	728	2,136	818	17	97	548
1980	2,086	2,000	62,246	74	17	14	43	675	2,660	310	16	178	628
1981	1,955	1,900	53,003	62	21	24	37	597	2,474	74	22	141	543
1982	1,741	1,700	37,838	86	31	28	39	620	2,682	220	8	271	130
1983	1,636	1,600	32,188	49	8	12	29	588	2,813	242	9	208	193
1984	1,739	1,700	35,880	57	8	23	35	595	2,709	229	19	134	257
1985	1,705	1,700	31,582	92	33	18	43	517	2,757	121	17	167	253
1986	1,829	1,800	24,465	85	22	12	31	540	2,847	124	32	240	318
1987	(NA)	1,800	23,533	88	53	16	19	477	3,501	128	17	(NA)	336

— Represents zero. NA Not available. ¹ Data on deaths are from U.S. National Highway Traffic Safety Administration and are based on 30 day definition; see table 1018. Other data are from National Safety Council. ² Train accidents cover only those accidents which result in damages to railroad property exceeding amounts specified by the U.S. Federal Railroad Administration. The reporting threshold was raised from \$750 to \$1,750 in 1975; to \$2,800 in 1979; to \$3,700 in 1981; to \$4,500 in 1983; and to \$4,900 in 1985. Grade crossing accidents are also included when classified as a train accident. Deaths exclude fatalities in railroad-highway grade crossing accidents. ³ Includes scheduled and non-scheduled (charter) air carriers operating under 14 CFR 121, 125, and 127. Injuries include only serious injuries. ⁴ All scheduled service operating under 14 CFR 135. Injuries include only serious injuries. ⁵ All non-scheduled service operating under 14 CFR 135. Injuries include only serious injuries. ⁶ 1975-1984 data exclude commuter and on-demand air taxi operating under 14 CFR 135. ⁷ Accidents are required to be reported to the U.S. Coast Guard whenever they result in a death; a person being injured or receiving medical treatment beyond first aid; damages exceed \$200; or a person's disappearance. ⁸ Pipeline accidents/incidents are credited to the year in which they occurred beginning with 1983 data; prior data are credited to the year the accident/incident reports were filed. Fatalities and injuries as reported in annual report. ⁹ Pipelines carrying hazardous materials, petroleum, and liquid petroleum products. ¹⁰ Covers accidents involving commercial vessels which must be reported to U.S. Coast Guard if there is property damage exceeding \$1,500; material damage affecting the seaworthiness or efficiency of a vessel; stranding or grounding; loss of life; or injury causing a person's incapacity for more than 3 days. ¹¹ Accidents, deaths, and injuries involving hazardous materials cover all types of transport.

Source: U.S. Dept. of Transportation, Transportation Systems Center, Cambridge, MA, *Transportation Safety Information Report*, annual.

NO. 1002. FEDERAL OUTLAYS FOR TRANSPORTATION, BY FUNCTION: 1970 TO 1988

[In millions of dollars. For fiscal years ending in year shown; see text, section 9]

FUNCTION	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988, est.
Total outlays	7,088	16,918	17,832	21,288	23,379	20,828	21,334	23,886	25,836	28,117	26,325	27,227
Percent of total outlays												
Ground transportation	3.6	3.3	3.5	3.6	3.4	2.8	2.6	2.8	2.7	2.8	2.6	2.6
Average annual percent change ¹												
Ground transportation	7.4	19.0	13.0	21.7	9.8	-11.6	3.4	10.8	9.2	8.8	-6.7	3.6
Air transportation	4,678	7,027	12,115	15,274	17,074	14,321	14,286	16,156	17,809	16,725	17,157	17,797
Water transportation	1,408	2,387	3,355	3,723	3,814	3,520	4,000	4,415	4,895	5,287	5,520	6,014
Other transportation	86	1,430	1,909	2,229	2,381	2,387	2,999	3,010	3,201	3,684	3,461	3,599
	28	74	83	104	110	80	98	85	137	140	91	139

¹ Change from immediate prior year

Source: U.S. Office of Management and Budget, *Budget of the United States Government*, annual.

U.S. HIGHWAY MILEAGE—1964

1. This table shows the total mileage of the Federal-aid primary, secondary, and tertiary highway systems in the United States, by State, for the year 1964. The figures are in thousands of miles.

State	Total	Federal-aid primary	Federal-aid secondary	Federal-aid tertiary	Other
AL	1,100	100	100	100	800
AK	100	100	100	100	100
AZ	1,200	100	100	100	900
AR	1,100	100	100	100	800
CA	1,300	100	100	100	1,000
CO	1,400	100	100	100	1,100
CT	1,500	100	100	100	1,200
DE	1,600	100	100	100	1,300
FL	1,700	100	100	100	1,400
GA	1,800	100	100	100	1,500
HI	1,900	100	100	100	1,600
IL	2,000	100	100	100	1,700
IN	2,100	100	100	100	1,800
IA	2,200	100	100	100	1,900
KS	2,300	100	100	100	2,000
KY	2,400	100	100	100	2,100
LA	2,500	100	100	100	2,200
ME	2,600	100	100	100	2,300
MD	2,700	100	100	100	2,400
MA	2,800	100	100	100	2,500
MI	2,900	100	100	100	2,600
MN	3,000	100	100	100	2,700
MO	3,100	100	100	100	2,800
MS	3,200	100	100	100	2,900

Source: U.S. Federal Highway Administration, Highway Statistics, annual

U.S. HIGHWAY MILEAGE—1964

1. This table shows the total mileage of the Federal-aid primary, secondary, and tertiary highway systems in the United States, by State, for the year 1964. The figures are in thousands of miles.

State	Total	Federal-aid primary	Federal-aid secondary	Federal-aid tertiary	Other
AL	1,100	100	100	100	800
AK	100	100	100	100	100
AZ	1,200	100	100	100	900
AR	1,100	100	100	100	800
CA	1,300	100	100	100	1,000
CO	1,400	100	100	100	1,100
CT	1,500	100	100	100	1,200
DE	1,600	100	100	100	1,300
FL	1,700	100	100	100	1,400
GA	1,800	100	100	100	1,500
HI	1,900	100	100	100	1,600
IL	2,000	100	100	100	1,700
IN	2,100	100	100	100	1,800
IA	2,200	100	100	100	1,900
KS	2,300	100	100	100	2,000
KY	2,400	100	100	100	2,100
LA	2,500	100	100	100	2,200
ME	2,600	100	100	100	2,300
MD	2,700	100	100	100	2,400
MA	2,800	100	100	100	2,500
MI	2,900	100	100	100	2,600
MN	3,000	100	100	100	2,700
MO	3,100	100	100	100	2,800
MS	3,200	100	100	100	2,900

Source: U.S. Federal Highway Administration, Highway Statistics, annual

No. 1005. HIGHWAY MILEAGE—PAVEMENT CONDITION FOR URBAN AND RURAL AREAS, BY TYPE OF ROAD SYSTEM: 1980 TO 1986

[Highway pavement condition is classified by the Present Serviceability Rating (PSR) system, which ranges from a high of 5.0 down to 0.1. The reported ranges are defined as: PSR 5.0–3.5, pavements give a first class ride and exhibit few, if any, visible signs of surface wear. Of the quality of new or nearly new pavements. PSR 3.4–2.0, pavements have a riding quality somewhat inferior to that of new pavements or may even be barely tolerable at high speeds. Surfaces may show signs of cracking, substantial patching, and rutting. PSR 1.9–0.1, pavements show extensive wear to the point of needing resurfacing or may even need complete reconstruction]

PAVEMENT CONDITION	INTERSTATE ROAD SYSTEMS				ARTERIAL ROAD SYSTEMS				COLLECTOR ROAD SYSTEMS			
	1980	1984	1985	1986	1980	1984	1985	1986	1980	1984	1985	1986
URBAN AREAS												
Percent of road mileage rated—												
PSR 0.1–1.9 (0.1–2.4) ¹	6	9	7	7	7	6	5	5	9	9	7	7
PSR 2.0–3.4 (2.5–3.4) ¹	26	36	38	36	42	52	53	51	50	58	56	56
PSR 3.5–5.0	68	55	55	56	51	42	42	44	41	34	35	35
RURAL AREAS												
Percent of road mileage rated—												
PSR 0.1–1.9 (0.1–2.4) ¹	5	8	7	9	6	8	4	4	16	11	10	9
PSR 2.0–3.4 (2.5–3.4) ¹	26	34	33	33	46	50	51	50	55	56	59	58
PSR 3.5–5.0	69	58	60	58	48	44	45	46	29	33	31	33

¹ PSR range shown in parentheses applies to interstate roads only.

No. 1006. RECEIPTS AND DISBURSEMENTS FOR HIGHWAYS, BY TYPE: 1970 TO 1986

[In millions of dollars. Data compiled from reports of State and local authorities. For Federal highway trust fund receipts, disbursements, and balances, see table 492. State data include District of Columbia]

TYPE	1970	1975	1980	1985	1986	1987	1988, proj.		
							Total ¹	Federal	State
Total receipts	21,747	26,180	36,715	61,506	64,588	65,826	70,615	15,911	34,879
Current income	19,861	26,821	37,604	54,957	58,373	61,446	66,065	15,911	32,379
Impacts on highway users ²	15,311	18,578	22,559	35,599	37,334	39,778	42,958	13,854	27,764
Other taxes and fees	3,732	6,005	11,808	15,127	16,381	16,939	18,385	695	2,940
Investment income and other receipts	818	1,738	3,237	4,231	4,658	4,731	4,722	1,162	1,685
Bond issue proceeds ³	1,686	2,239	2,111	6,549	6,298	4,380	4,550	-	2,500
Intergovernmental payments ⁴	(x)	(x)	(x)	(x)	(x)	(x)	(x)	14,058	6,787
Funds drawn from (+) or placed in (-) reserves	912	481	+ 2,080	4,058	2,803	1,107	2,968	814	- 951
Total funds available	20,835	28,699	41,795	67,448	62,068	64,719	67,847	1,039	40,715
Total disbursements	20,835	28,699	41,795	67,448	62,068	64,719	67,847	1,039	40,715
Current disbursements	18,583	27,207	40,064	54,725	58,934	61,405	64,299	1,039	38,763
Capital outlay	11,575	14,398	20,337	27,138	28,892	29,245	30,801	543	23,058
Maintenance and traffic services	4,720	7,286	11,445	16,032	17,355	18,549	19,276	183	7,315
Administration and research	1,275	1,981	3,022	4,033	4,583	4,907	5,240	383	3,165
Law enforcement and safety	1,303	2,413	3,824	5,334	5,597	6,006	6,403	-	3,493
Interest on debt	710	1,129	1,458	2,188	2,507	2,696	2,777	-	1,732
Debt retirement ⁵	1,252	1,492	1,711	2,723	3,132	3,314	3,348	-	1,852

- Represents zero. X Not applicable. ¹ Includes other levels of government not shown separately. ² Excludes amounts later allocated for nonhighway purposes. ³ Per value. Excludes issue and redemption of short-term notes or refunding bonds. Premiums and discounts on sale of bonds and accrued interest are included with investment income and other receipts. Redemption premiums and discounts are included with interest on debt. ⁴ Plus sign (+) indicates net receipt of funds from other levels of government, minus sign (-) indicates net disbursement of funds to other levels.

Source of tables 1005 and 1006: U.S. Federal Highway Administration, *Highway Statistics*, annual; and releases.

No. 1007. DISBURSEMENTS OF STATE HIGHWAY FUNDS, BY STATE: 1980 TO 1986

[In millions of dollars. Compares disbursements from current revenues or loans for construction, maintenance, interest and principal payments on highway bonds, transfers to local units, and miscellaneous. Includes transactions by State toll authorities. Excludes amounts allocated for collection and nonhighway purposes, and bonds redeemed by refunding. See also *Historical Statistics, Colonial Times to 1970*, series Q 90–94]

STATE	1980	1985	1986	STATE	1980	1985	1986	STATE	1980	1985	1986
U.S.	30,049	40,361	44,200	KS	440	508	581	ND	143	199	172
AL	517	875	772	KY	913	901	1,004	OH	1,032	1,822	1,583
AK	274	383	294	LA	682	879	1,056	OK	461	888	853
AZ	365	778	1,027	ME	164	238	236	OR	482	492	563
AR	425	488	536	MD	883	988	1,293	PA	1,557	2,340	2,009
CA	1,930	3,006	2,984	MA	704	786	800	RI	72	139	180
CO	411	563	625	MI	687	1,275	1,414	SC	306	420	441
CT	393	585	705	MN	811	980	962	SD	151	211	188
DE	152	234	241	MS	486	845	887	TN	809	800	824
DC	57	142	187	MO	556	854	868	TX	1,882	1,825	2,783
FL	1,261	1,847	1,778	MT	224	288	316	UT	241	394	334
GA	762	1,116	1,108	NE	274	368	382	VT	87	136	181
HI	134	137	140	NV	169	241	268	VA	864	1,165	1,338
ID	153	229	220	NH	152	219	203	WA	787	1,040	1,088
IL	1,852	2,087	2,114	NJ	682	1,229	1,517	WV	672	582	593
IN	698	818	988	NM	197	384	413	WI	408	689	783
IA	504	748	725	NY	1,850	2,022	2,183	WY	182	298	278
				NC	807	888	965				

Source: U.S. Federal Highway Administration, *Highway Statistics*, annual.

NO. 1008. FEDERAL GRANTS TO STATE AND LOCAL GOVERNMENTS FOR HIGHWAY TRUST FUND AND URBAN MASS TRANSPORTATION ADMINISTRATION (UMTA), BY STATE: 1987

[Year ending Sept. 30]

STATE	HIGHWAY TRUST FUND		UMTA		STATE	HIGHWAY TRUST FUND		UMTA		STATE	HIGHWAY TRUST FUND		UMTA	
	Total (mil. dol.)	Per capita ¹	Total (mil. dol.)	Per capita ¹		Total (mil. dol.)	Per capita ¹	Total (mil. dol.)	Per capita ¹		Total (mil. dol.)	Per capita ¹	Total (mil. dol.)	Per capita ¹
U.S.	11,101	946.98	3,228	\$13.28	KY	197	52.78	14	3.71	ND	72	107.71	3	3.78
AL	168	48.00	18	3.90	LA	237	53.04	25	5.58	OH	285	26.39	74	6.83
AK	140	286.48	2	4.52	ME	59	50.08	5	4.11	OK	156	47.31	12	3.72
AZ	267	78.93	20	5.78	MD	365	80.58	85	18.79	OR	151	55.36	29	10.74
AR	112	46.81	5	2.45	MA	120	20.43	195	33.24	PA	587	50.01	178	14.90
CA	784	28.69	411	14.87	MI	408	44.34	85	9.23	RI	68	88.97	6	8.43
CO	203	61.61	26	7.91	MN	355	63.03	37	8.84	SC	145	42.38	7	1.98
CT	240	74.86	40	12.31	MS	132	50.34	3	1.22	SD	71	100.44	2	2.12
DE	47	73.14	6	8.95	MO	251	49.14	28	5.77	TN	233	47.90	19	3.98
DC	54	86.55	210	337.49	MT	102	125.78	3	3.18	TX	579	34.51	84	5.80
FL	428	36.63	99	8.24	NE	91	58.98	8	5.58	UT	158	92.73	23	13.85
GA	352	56.55	118	18.58	NV	79	78.13	4	4.44	VT	54	99.20	1	1.78
HI	39	35.54	18	18.88	NH	83	59.37	4	3.91	VA	387	85.51	19	3.23
ID	70	68.75	1	1.38	NJ	348	32.39	240	31.29	WA	325	71.85	90	18.93
IL	421	38.38	283	21.87	NM	85	63.10	4	2.50	WV	187	98.61	6	3.32
IN	232	41.88	90	8.99	NY	648	38.33	578	32.45	WI	147	30.65	38	7.42
IA	162	37.05	11	3.87	NC	211	32.85	16	2.48	WY	82	167.13	1	1.71
KS	180	72.85	6	2.38										

¹ Based on Bureau of the Census estimated resident population as of July 1.

Source: U.S. Bureau of the Census, *Federal Expenditures by State for Fiscal Year*, annual.

NO. 1009. STATE GASOLINE TAX RATES, 1986 AND 1987, AND MOTOR FUEL TAX RECEIPTS, 1986

[See also *Historical Statistics, Colonial Times to 1970*, series Q 233-234]

STATE	RATE ¹ (cents per gal.)		Re-ceipts, ² 1986 (mil. dol.)	STATE	RATE ¹ (cents per gal.)		Re-ceipts, ² 1986 (mil. dol.)	STATE	RATE ¹ (cents per gal.)		Re-ceipts, ² 1986 (mil. dol.)
	1986	1987			1986	1987			1986	1987	
Total	28.89	(NA)	(X)	IA	18	18	248	NC	15.5	15.5	488
Federal	³ 9.10	³ 9.10	(X)	KS	11	11	154	ND	13	17	48
State	12.79	(NA)	14,893	KY ⁴	16	16	298	OH	12	14.7	608
AL	⁵ 13	13	254	LA	18	18	347	OK ⁶	10	18	202
AK	8	8	21	ME	14	14	80	OR	11	12	141
AZ	16	16	297	MD	13.5	18.5	311	PA	12	12	820
AR	13.5	13.5	187	MA	11	11	382	RI	16	15	55
CA	8	8	1,227	MI	16	16	888	SC	13	15	255
CO	16	16	345	MN	17	17	348	SD	13	13	82
CT	17	19	236	MS	9	15	138	TN ⁷	17	17	386
DE	13	16	42	MO	7	11	215	TX	10	18	1,007
DC	15.5	15.5	25	MT	17	20	81	UT	14	18	115
FL	8.7	8.7	686	NE	17.1	17.9	183	VT	13	13	38
GA	7.5	7.5	288	NV	13	16	80	VA ⁸	15	17.5	443
HI	11	11	38	NH	14	14	71	WA	18	18	414
ID	14.5	14.5	79	NJ	8	8	348	WV	10.5	10.5	103
IL	13	13	578	NM	11	14	104	WI	17.5	20	409
IN	14	14	517	NY	8	8	600	WY	8	8	36

NA Not available. X Not applicable. ¹ In effect Dec. 31. ² Represents net receipts. ³ Federal tax includes 0.1 cent per gallon for the leasing underground storage tank fund effective January 1, 1987. ⁴ Includes 2 cents per gallon inspection fee. ⁵ Trucks or combinations with more than 2 axles pay tax of 2 cents per gallon more in Kentucky, and 3.5 cents per gallon more in Virginia. ⁶ .08 cents per gallon is for inspection fee. ⁷ Includes 1 cent per gallon inspection fee.

NO. 1010. PUBLIC HIGHWAY DEBT—STATE AND LOCAL GOVERNMENTS: 1970 TO 1988

[In millions of dollars. Long-term obligations. State data are for calendar years; local data for varying fiscal years. Excludes duplicated and internal obligations. Municipal debt includes other political subdivisions urban in character. See also *Historical Statistics, Colonial Times to 1970*, series Q 138-147]

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987 ¹	1988 ²
Total long-term	1,888	2,238	2,684	2,874	2,918	2,885	3,181	3,674	4,298	4,388	4,880
State	1,305	1,412	1,128	985	1,865	1,072	1,715	3,404	3,848	2,480	2,500
County and township	174	222	278	305	415	475	524	1,387	1,200	800	700
Municipal	407	605	680	1,304	945	1,019	912	1,283	1,150	1,300	1,380
Total debt redeemed ⁴	1,288	1,488	1,788	2,484	2,484	2,172	2,411	2,737	3,132	3,214	3,348
State	782	906	1,022	1,578	1,146	1,191	1,507	1,580	1,875	1,950	1,952
County and township	152	185	208	201	225	303	216	378	432	516	528
Municipal	318	418	475	684	875	678	688	779	825	848	870
Total debt outstanding	19,187	23,891	25,851	25,851	25,850	27,234	27,984	31,201	34,485	36,531	36,733
State	13,803	17,422	18,282	17,688	18,077	17,858	18,165	19,980	22,061	22,581	23,138
County and township	1,885	1,822	2,187	2,281	2,451	2,823	2,881	3,840	4,708	4,752	4,888
Municipal	3,519	4,557	5,412	6,032	6,302	6,543	6,857	7,371	7,686	8,148	8,688

¹ Preliminary. ² Projection. ³ Excludes refunding issues. ⁴ Excludes redemptions by refunding.

Source of tables 1009 and 1010: U.S. Federal Highway Administration, *Highway Statistics*, annual.

NO. 1011. MOTOR VEHICLES—SUMMARY: 1970 TO 1987

ITEM	Unit	1970	1975	1980	1982	1983	1984	1985	1986	1987
PASSENGER CARS										
Passenger car production	1,000	8,550	8,717	8,378	5,073	6,781	7,773	8,002	7,529	7,085
Passenger car factory sales	1,000	8,547	8,713	8,400	5,049	6,739	7,821	8,002	7,516	7,085
Passenger car (new), retail sales ¹	1,000	8,405	8,640	8,979	7,982	9,182	10,390	11,042	11,480	10,278
Domestic ²	1,000	7,118	7,050	6,581	5,758	6,795	7,952	8,205	8,215	7,081
Subcompact ³	1,000		700	1,804	1,489	1,776	2,322	1,297	1,325	1,101
Compact ³	1,000		2,336	1,859	1,257	1,110	1,336	2,563	2,481	2,388
Standard ³	1,000		1,958	1,358	1,377	1,625	1,817	1,862	1,968	1,586
Intermediate ³	1,000		2,058	1,957	1,841	2,071	2,484	2,484	2,540	2,026
Imports ⁴	1,000	1,285	1,587	2,398	2,223	2,387	2,439	2,838	3,245	3,197
TRUCKS										
Truck and bus production	1,000	1,734	2,270	1,834	1,912	2,444	3,151	3,469	3,490	3,811
Truck and bus factory sales	1,000	1,892	2,272	1,887	1,806	2,414	3,075	3,357	3,383	3,821
Truck and bus retail sales ⁵	1,000	1,746	2,351	2,232	2,248	2,709	3,538	3,984	4,031	4,174
Light duty (up to 14,000 GVW) ⁶	1,000	(NA)	2,076	1,984	2,084	2,521	3,281	3,700	3,788	3,886
Med. duty (14,001-26,000 GVW) ⁶	1,000	(NA)	189	82	48	48	61	53	51	55
Heavy duty (over 26,000 GVW) ⁶	1,000	128	105	178		141		231	214	234
MOTORCYCLES										
Motorcycle registrations, new ⁷	1,000	751	747	638	689	811	772	722	831	550
Motorcycle (new) retail sales ⁸	1,000	1,010	940	1,070	980	1,185	1,305	1,280	1,045	935
All-terrain vehicles	1,000	(NA)	(NA)	(NA)	250	425	550	550	485	395
All-terrain vehicle imports	1,000	(NA)	(NA)	(NA)	275	430	635	683	488	320
Motorcycle imports, total ⁹	1,000	1,091	948	1,120	917	540	441	733	550	318
Value ¹⁰	Mill. dol.	308	713	1,142	1,110	697	523	783	763	
FOREIGN TRADE										
Passenger cars (new), exported ¹¹	1,000	285	640	617	379	554	618	704	673	633
Passenger cars (new), imported ¹²	1,000	2,013	2,075	3,118		3,134	3,559	4,398	4,586	4,586
Canada	1,000	693	734	595	703	836	1,073	1,146	1,182	927
Germany, Federal Republic of	1,000	675	370	339	259	240	336	473	482	378
Japan	1,000	381	886	1,982	1,801	1,871	1,949	2,527	2,618	2,418
Trucks (new) exports	1,000	81	219	186	124	132	159	183	205	222
Trucks (new) imports ¹³	1,000	186	296	747	687	785	1,025	1,253	1,351	1,177
Japan	1,000	27	142	483	356	430	567	800	976	772
Import value, new passenger cars ¹⁴	Mill. dol.	3,719	7,483	16,675	20,180	23,394	29,284	36,474	45,302	47,858
Trucks and buses, new ¹⁵	Mill. dol.	381	620	1,965	4,453	4,848	6,541	7,734	8,504	8,729
Export value ¹⁶	Mill. dol.	3,871	10,886	16,015	18,039	17,078	20,776	22,820	21,955	24,812
Passenger cars (new) ¹⁷	Mill. dol.	822	2,852	3,932	2,867	4,208	4,876	6,027	6,258	6,885
Trucks and buses (new) ¹⁸	Mill. dol.	636	2,305	2,977	2,582	2,130	2,479	2,789	2,853	3,375
Parts and accessories ¹⁹	Mill. dol.	2,413	5,501	8,106	10,530	10,740	13,421	14,004	12,744	14,742
VEHICLES IN USE AND RETIRED										
Cars in use, total	Million	80.4	85.2	104.6	108.9	109.0	112.0	114.7	117.3	118.8
Under 3 years	Million	24.4	25.8	26.8	21.5	20.7	22.0	24.8	27.9	28.1
3-5 years	Million	24.9	27.0	25.5	29.9	28.8	26.8	23.9	22.7	24.7
6-8 years	Million	18.4	22.0	26.2	22.2	23.5	26.8	27.8	28.5	24.4
9-11 years	Million	7.7	13.9	14.6	17.9	18.9	17.4	17.2	18.7	21.4
12 years and over	Million	4.9	6.6	12.5	15.4	17.0	19.0	21.0	21.5	21.2
Average age	Years	5.6	6.0	6.6	7.2	7.4	7.5	7.6	7.6	7.6
Cars retired from use ²⁰	1,000	7,481	5,889	8,405	8,921	8,243	6,875	7,729	8,442	8,103
Trucks in use, total	Million	17.7	24.8	35.2	37.0	38.1	40.1	42.4	44.8	47.3
Under 3 years	Million	4.7	6.9	8.8	6.8	5.9	7.2	9.0	11.1	11.9
3-5 years	Million	4.3	5.8	8.1	10.7	9.5	8.0	6.3	6.6	8.3
6-8 years	Million	3.0	4.4	7.4	7.1	7.7	8.2	10.2	8.9	7.4
9-11 years	Million	1.9	3.2	4.4	5.7	6.5	6.2	6.2	6.7	8.0
12 years and over	Million	3.9	4.4	6.5	7.9	8.5	9.6	10.7	11.5	11.9
Average age	Years	7.3	8.9	7.1	7.8	8.1	8.2	8.1	8.0	8.0
Trucks retired from use ²¹	1,000	837	908	1,732	1,458	1,481	1,802	2,100	2,308	2,364
TIRES AND BATTERIES SHIPMENTS										
Tires, passenger car, total ²²	Million	188.8	187.0	145.9	187.5	182.0	201.6	200.9	202.7	210.8
Radiata	Million	2.9	61.5	83.5	115.9	133.4	158.6	184.7	174.0	187.3
Replacement	Million	129.8	122.5	108.9	130.5	134.0	144.8	141.5	144.3	151.9
Tires, truck and bus, total ²³	Million	25.7	27.3	31.1	33.8	36.9	40.8	41.1	40.8	44.4
Radiata	Million	(NA)	8	3.8	10.4	13.4	18.0	19.7	21.1	26.0
Replacement	Million	16.7	19.8	24.4	26.1	30.3	31.7	32.1	32.4	34.5
Batteries total ²⁴	Million	48.9	52.9	61.7	64.6	69.0	74.7	74.4	75.7	75.7
Replacement automobile batteries	Million	37.9	42.8	50.1	54.2	58.1	58.3	58.7	60.3	59.9

NA Not available. ¹ Based on data from U.S. Dept. of Commerce. ² Includes domestic models produced in Canada and Mexico. ³ Source: Board of Governors of the Federal Reserve System, unpublished data. Represents total auto sales data from *Ward's Automotive Reports*. Criteria by which each year's car models are grouped into the major size categories vary among those collecting data. Data shown here follow *Automotive News* classifications. Beginning 1980, cars produced in U.S. by foreign manufacturers are included. ⁴ Excludes domestic models produced in Canada. ⁵ Excludes motorcoaches and light-duty imports from foreign manufacturers. Beginning 1975, includes imports sold by franchised dealers of U.S. manufacturers. Starting in 1980, includes sales of trucks over 10,000 lbs. GVW by foreign manufacturers. ⁶ Gross vehicle weight (fully loaded vehicle). ⁷ Source: R. L. Polk & Company, Detroit, MI, *New Motorcycle Registrations by State, 1970-1986* excludes Oklahoma, 1984, excludes New York. Reproduction prohibited without Polk permission. ⁸ Estimates by Motorcycle Industry Council Inc., Costa Mesa, CA. Includes all-terrain vehicles and scooters. Excludes mopeds/motorized bicycles. ⁹ Source: Motorcycle Industry Council, Inc., Costa Mesa, CA. Data from U.S. Dept. of Commerce. Excludes mopeds/motorized bicycles and all-terrain vehicles. ¹⁰ Dutiable value for customs purposes prior to 1980 thereafter, c.i.f. value. ¹¹ 1970-1975, covers assembled vehicles only. Beginning 1980, includes chassis. ¹² Includes other countries, not shown separately. ¹³ Covers assembled and unassembled vehicles. ¹⁴ Includes rubber tires and tubes and used vehicles. ¹⁵ For years ending June 30. Represents vehicles failing to re-register. ¹⁶ Includes original equipment. Also includes exports, not shown separately. Source: The Rubber Manufacturers Association, Inc., Washington, D.C., *RMA Monthly Tire Report*. ¹⁷ Source: Battery Council International, Chicago, IL.

Source: Except as noted, Motor Vehicle Manufacturers Association of the United States, Inc., Detroit, MI, *Motor Vehicle Facts and Figures*, annual; and *World Motor Vehicle Data*, annual.

No. 1012. MOTOR-VEHICLE REGISTRATIONS, 1970 TO 1987, AND VEHICLE-MILES OF TRAVEL, 1988 BY STATE

In thousands, except as indicated. Motor-vehicle registrations cover pickup, station, and commercial motor vehicles. For military. Figures have been adjusted to a calendar-year basis on registration years in States after 1980. Figures represent net number of vehicles, including re-registrations and replacement registrations.

STATE	AUTOMOBILES, TRUCKS, AND BUSES ¹							MOTORCYCLES ²		Public road and street miles (1,000 mi.)	Vehicle miles of travel	
	1970	1980	1985	1988	Total	1987, est.		Total	Per 1,000 population		Total (in 1,000 mi.)	Per 1,000 population
						Total	Per 1,000 population					
U.S.	166,416	168,766	171,664	176,101	166,666	158,641	571	6,166	61	6,676.6	1,666.6	676.6
AL	1,666	2,666	3,336	3,467	3,470	2,664	621	66	14	66.0	64.0	666.0
AK	130	362	363	363	371	633	644	10	10	13.6	4.0	666.1
AZ	1,666	1,617	2,236	2,346	2,440	1,666	601	60	64	77.3	66.7	666.7
AR	1,043	1,574	1,364	1,436	1,466	662	366	60	60	77.1	17.6	666.3
CA	11,601	16,673	16,666	16,760	20,606	15,676	676	664	66	176.1	616.6	1,667.6
CO	1,442	2,342	2,766	2,763	2,766	2,016	612	107	36	76.3	66.4	666.4
CT	1,733	2,147	2,466	2,662	2,666	2,466	777	67	16	16.7	64.1	1,666.6
DE	312	367	466	466	462	366	666	6	14	6.3	6.6	1,666.6
DC	357	666	326	366	666	376	447	3	6	1.1	3.3	2,666.6
FL	4,130	7,614	6,666	10,366	10,643	6,762	726	267	16	66.1	67.3	666.6
GA	2,664	3,616	4,666	4,641	5,106	3,666	366	166	60	166.6	66.6	666.6
HI	466	570	661	666	736	640	661	16	16	4.0	7.0	1,766.6
ID	466	634	664	667	666	636	667	47	47	71.6	7.6	166.1
IL	5,266	7,677	7,727	7,430	7,466	6,664	666	614	16	164.6	74.1	666.7
IN	2,616	3,626	4,064	4,174	4,326	3,641	666	117	61	61.6	46.6	466.6
IA	1,760	2,326	2,666	2,636	2,663	1,660	667	267	60	116.6	60.4	161.6
KI	1,546	2,007	2,146	2,176	2,606	1,616	613	66	66	166.6	16.6	146.6
KY	1,766	2,666	2,616	2,666	2,746	1,666	466	43	16	66.6	66.6	461.6
LA	1,742	2,776	3,012	2,666	2,631	1,666	416	46	11	66.3	66.6	616.6
ME	610	734	640	672	616	664	666	43	66	66.6	10.6	46.6
MD	1,672	2,666	3,276	3,661	3,461	2,630	664	64	16	67.7	66.6	1,670.6
MA	2,576	3,746	3,736	3,641	3,627	2,430	666	114	16	33.6	40.7	1,604.1
MI	4,666	6,466	6,727	6,632	6,666	5,466	667	247	67	117.7	72.7	611.7
MN	2,207	3,061	3,366	3,067	3,107	2,400	666	132	61	132.6	66.6	664.6
MS	1,117	1,677	1,746	1,770	1,766	1,374	623	26	6	71.6	16.6	667.6
MO	2,466	3,271	3,666	3,666	3,766	2,741	637	74	16	116.4	41.6	646.6
MT	466	660	662	673	663	466	676	66	66	71.7	7.7	107.6
NE	674	1,254	1,267	1,261	1,306	671	646	67	17	66.6	12.6	166.7
NV	366	666	700	766	612	661	677	16	16	44.4	6.6	166.6
NH	360	704	674	1,071	1,164	672	630	67	66	14.6	7.6	644.6
NJ	3,666	4,761	4,666	6,667	6,373	4,670	636	116	16	34.0	66.4	1,666.4
NM	667	1,066	1,176	1,320	1,407	664	666	47	31	63.6	13.6	246.3
NY	6,716	6,002	6,042	6,616	6,666	6,764	461	636	16	110.1	64.1	667.1
NC	2,626	4,632	4,460	4,736	4,634	3,666	666	61	10	66.6	46.6	466.3
ND	426	627	666	646	641	376	664	26	26	66.2	6.4	44.1
OH	5,674	7,771	6,102	6,166	6,304	6,730	664	303	36	113.3	61.3	113.6
OK	1,713	2,666	2,664	2,666	2,664	1,666	676	67	60	111.7	66.6	777.6
OR	1,366	2,061	2,204	2,264	2,366	1,706	627	66	60	64.4	77.7	646.7
PA	5,616	6,626	7,206	7,477	7,734	6,367	626	166	16	114.7	77.4	677.7
RI	466	623	610	632	662	644	642	26	26	6.4	6.4	667.7
SC	1,366	1,666	2,222	2,304	2,366	1,762	660	36	6	66.6	66.6	447.1
SD	426	601	660	664	676	412	661	34	46	75.4	6.3	64.4
TN	2,060	3,271	3,764	3,622	4,166	2,266	676	172	36	66.6	66.6	477.6
TX	6,666	10,476	12,444	12,407	12,421	6,466	606	240	14	266.7	146.3	616.6
UT	664	662	1,066	1,111	1,126	760	666	46	27	66.6	17.1	246.4
VT	226	347	366	416	426	366	666	26	26	16.6	6.6	646.6
VA	2,266	3,666	4,266	4,632	4,716	2,711	666	76	16	66.6	6.7	766.7
WA	2,702	3,226	3,666	3,762	3,666	2,716	666	144	36	66.6	66.6	447.3
WV	601	1,366	1,143	1,170	1,166	626	636	26	17	66.1	13.3	776.1
WI	2,162	2,641	3,167	3,130	3,121	2,632	606	166	66	166.7	66.4	677.3
WY	347	467	600	446	617	337	464	26	47	66.6	6.4	266.4

¹ Excludes vehicles owned by military services.

² Based on resident population as of July 1.

Source: U.S. Federal Highway Administration, Highway Statistics, annual, and Selected Highway Statistics and Trends, annual.

NO. 1013. MOTOR VEHICLES—REGISTRATIONS, FACTORY SALES, AND RETAIL SALES: 1955 TO 1987

[Minus sign (-) indicates decrease. For definition of average annual percent change, see Guide to Tabular Presentation. See also *Historical Statistics, Colonial Times to 1870*, series Q 148-155.]

YEAR	REGISTRATIONS ¹ (mil.)			Motor- cycle registrations ¹ (1,000)	FACTORY SALES (1,000)			PASSENGER CARS RETAIL SALES (1,000)			AVERAGE ANNUAL PERCENT CHANGE ⁴	
	Total cars, trucks, buses	Pas- senger cars ²	Trucks and buses		Total cars, trucks, buses	Pas- senger cars	Trucks and buses ³	Total	Do- mestic	Im- ports	Registra- tions ²	Retail sales
1955.....	52.7	52.1	10.6	412	9,108	7,920	1,249	7,408	7,408	68	7.2	(NA)
1960.....	73.9	61.7	12.2	574	7,808	6,675	1,194	6,641	6,142	489	3.5	-2.3
1965.....	90.4	75.3	15.1	1,382	11,057	9,308	1,752	8,332	8,763	569	4.7	7.0
1967.....	96.9	80.4	16.5	1,953	8,976	7,437	1,539	8,337	7,668	769	3.1	-6.5
1968.....	100.9	83.6	17.3	2,088	10,718	8,822	1,886	8,858	8,825	1,031	4.1	15.8
1969.....	105.1	86.9	18.2	2,316	10,147	8,224	1,923	8,563	8,484	1,118	4.2	-3.8
1970.....	108.4	89.2	19.2	2,624	8,239	6,547	1,692	6,405	7,119	1,285	3.2	-12.3
1971.....	113.0	92.7	20.3	3,344	10,836	8,885	2,053	10,250	8,861	1,589	4.2	22.0
1972.....	118.8	97.1	21.7	3,760	11,271	9,624	2,447	10,950	9,327	1,623	5.1	6.8
1973.....	125.7	102.0	23.7	4,371	12,637	9,858	2,980	11,439	9,678	1,763	5.8	4.5
1974.....	129.9	104.8	25.1	4,958	10,059	7,331	2,727	8,887	7,454	1,413	3.4	-22.5
1975.....	132.9	106.7	26.2	4,994	8,985	6,713	2,272	6,840	7,053	1,587	2.3	-2.6
1976.....	136.5	110.2	26.4	4,933	11,480	8,600	2,979	10,110	8,511	1,498	4.2	17.0
1977.....	142.1	112.3	29.8	4,891	12,642	9,201	3,441	11,185	9,109	2,076	2.6	10.6
1978.....	148.4	116.6	31.8	4,888	12,671	9,185	3,706	11,312	9,312	2,000	4.4	1.1
1979.....	151.9	118.5	33.4	5,422	11,456	8,419	3,037	10,671	8,341	2,329	2.4	-5.7
1980.....	155.8	121.6	34.2	5,694	8,067	6,400	1,857	8,979	6,581	2,398	2.6	-15.9
1981.....	158.3	123.1	35.2	5,831	7,958	6,265	1,701	8,538	6,208	2,327	1.6	-4.9
1982.....	159.6	123.7	35.9	5,754	6,955	5,049	1,906	7,982	5,759	2,223	.8	-6.5
1983.....	163.9	126.2	37.7	5,585	6,153	4,739	2,414	8,182	6,795	2,387	2.7	15.0
1984.....	166.2	126.1	38.1	5,480	10,888	7,821	3,076	10,391	7,952	2,439	1.6	13.2
1985.....	171.7	131.9	39.8	5,444	11,359	8,002	3,357	11,042	8,204	2,838	3.3	6.3
1986.....	176.2	135.4	40.8	5,262	10,908	7,516	3,393	11,480	8,215	3,245	2.6	3.8
1987 ⁵	181.0	139.0	41.9	5,146	10,907	7,085	3,821	10,278	7,061	3,197	2.7	10.3

NA Not available. ¹ Excludes Alaska and Hawaii prior to 1960. Includes publicly owned vehicles. Excludes military services vehicles. ² Includes taxis. ³ Includes standard equipment. ⁴ From immediate prior year. ⁵ Excludes motorcycles.

⁵ Estimate.

Source: Registrations—U.S. Federal Highway Administration, *Selected Highway Statistics and Charts*, annual; sales—Motor Vehicle Manufacturers Association of the United States, Inc., Detroit, MI, *MVMA Motor Vehicle Facts and Figures*, annual.

NO. 1014. MOTOR VEHICLE OUTPUT AND TRADE IN NATIONAL INCOME ACCOUNTS: 1970 TO 1987

[In billions of dollars, except percent. Vehicle output equals final dollar sales value of new vehicles, plus net dollar value of used vehicle sales, adjusted for changes in inventories and net balance of vehicle exports and imports.]

YEAR	CURRENT DOLLARS							CONSTANT (1982) DOLLARS						
	GNP ¹	Vehicle output				Vehicle		GNP ¹	Vehicle output				Vehicle	
		Total	Per- cent of GNP	Auto	Truck	Ex- port value	Im- port value		Total	Per- cent of GNP	Auto	Truck	Ex- port value	Im- port value
1970.....	1,016	36.6	3.6	28.5	8.3	1.4	4.4	2,416	73.2	3.0	53.1	20.1	3.0	11.6
1971.....	1,103	48.3	4.5	38.9	10.4	1.8	8.9	2,485	83.6	3.8	68.6	23.8	3.5	14.8
1972.....	1,213	55.0	4.6	41.4	13.6	2.0	8.8	2,609	104.2	4.0	73.8	30.3	4.0	16.0
1973.....	1,359	63.1	4.6	48.0	17.1	2.7	7.8	2,744	119.4	4.4	82.0	37.4	5.3	17.2
1974.....	1,473	57.7	3.9	38.8	16.9	3.7	8.8	2,729	103.7	3.8	65.4	36.3	6.7	17.5
1975.....	1,598	56.7	3.5	40.3	16.4	5.1	8.4	2,695	90.9	3.4	61.8	29.1	6.5	14.9
1976.....	1,783	78.2	4.4	55.2	23.1	5.4	11.0	2,827	116.0	4.2	80.1	37.9	8.3	16.2
1977.....	1,991	96.1	4.8	64.3	30.8	5.6	13.3	2,859	135.7	4.6	86.7	47.0	6.1	20.3
1978.....	2,250	105.1	4.7	68.3	36.6	6.5	17.4	3,115	138.6	4.4	87.3	51.3	6.7	23.7
1979.....	2,508	104.0	4.1	68.8	37.1	8.0	18.6	2,192	126.1	4.0	80.2	47.9	10.0	22.8
1980.....	2,732	84.4	3.1	60.1	24.3	7.1	20.9	3,187	95.2	3.0	67.1	28.1	8.1	23.5
1981.....	3,053	86.6	3.2	69.4	27.2	7.2	22.6	3,249	102.1	3.1	73.3	28.8	7.6	23.4
1982.....	3,186	94.3	3.0	68.5	27.8	5.4	25.5	3,186	94.3	3.0	68.5	27.8	5.4	25.5
1983.....	3,406	123.6	3.6	88.6	35.0	6.2	28.5	3,279	119.6	3.7	85.6	33.9	6.0	26.6
1984.....	3,772	156.3	4.1	105.1	51.2	7.3	36.9	3,501	146.2	4.2	98.5	47.7	6.9	36.7
1985.....	4,015	172.8	4.3	116.5	56.3	8.8	45.5	3,619	157.4	4.3	106.5	50.9	7.9	41.1
1986.....	4,240	175.8	4.1	120.6	55.2	9.3	55.6	3,722	154.0	4.1	105.2	47.8	7.9	46.2
1987.....	4,527	175.9	3.9	116.3	59.6	9.8	58.2	3,847	151.4	3.9	100.6	50.8	8.2	45.6

¹ For definition of gross national product (GNP), see text, section 14.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July issues.

NO. 1016. NEW TRUCKS—RETAIL SALES, BY WEIGHT CLASS AND TYPE: 1960 TO 1967

WEIGHT CLASS AND TYPE	NUMBER (1,000)						PERCENT CHANGE			
	1960	1966	1964	1966	1966	1967	1963-1964	1964-1966	1966-1967	1966-1967
Total	2,332	2,769	2,226	2,664	4,631	4,174	26.6	12.6	1.2	2.6
Under 9,995 pounds	986	1,214	2,031	2,466	2,541	2,466	54.6	16.6	6.6	6.1
Utility	51	254	370	426	362	363	45.7	15.6	-10.6	.2
Pickup, cartype	50	26	26	24	24	16	-1.6	-5.0	1.6	-35.6
Pickup, conventional	545	446	632	644	662	666	42.0	1.6	-9.7	-2.6
Pickup, compact	254	406	613	666	757	661	25.0	13.4	6.0	13.7
Domestic	26	436	600	626	679	796	26.4	11.6	6.6	17.2
Import	229	66	63	70	79	66	-4.1	32.0	11.0	-16.7
Van	79	67	121	116	112	101	60.4	-5.3	-2.2	-9.9
Mini van	(X)	(X)	24	103	110	69	1,317.2	336.1	6.6	-16.2
Station wagon (truck chassis)	(X)	6	6	66	66	106	634.1	36.6	14.1	11.1
Mini passenger carrier	(X)	6	166	301	460	546	1,964.6	76.3	52.6	16.6
9,996 to 16,999 pounds	670	1,267	1,234	1,360	1,214	1,179	1.6	4.6	-6.2	-3.2
Utility	106	34	103	106	101	91	22.2	4.4	-6.4	-6.6
Van	172	311	266	261	261	254	-14.6	-1.6	.1	-2.6
Pickup, conventional	666	674	673	626	562	566	-2	9.7	-7.3	-2.2
Station wagon (truck chassis)	36	66	66	66	66	91	25.0	9.6	4.1	-7.5
16,999 pounds and over	271	166	266	266	276	362	46.9	4.2	-6.4	6.6

X Not applicable. Z Less than 500.

Source: Motor Vehicle Manufacturers Association, *Motor Vehicle Facts and Figures*, annual.

NO. 1016. RECREATIONAL VEHICLES—NUMBER AND RETAIL VALUE OF SHIPMENTS: 1970 TO 1967

YEAR	NUMBER (1,000)					RETAIL VALUE (mil. dol.)				
	Total	Motorized homes	Travel trailers	Folding camping trailers	Truck campers	Total	Motorized homes	Travel trailers	Folding camping trailers	Truck campers
1970	360.3	30.3	136.0	116.1	96.9	1,122	316	66	176	163
1971	526.6	126.0	212.3	87.7	66.6	2,322	1,153	643	160	167
1972	296.6	66.9	126.3	66.2	45.4	1,362	624	567	106	92
1973	336.6	96.6	150.6	46.1	44.3	2,320	1,251	666	101	112
1974	541.1	256.1	166.7	66.3	42.0	4,264	2,623	1,132	117	112
1975	533.9	260.2	167.9	53.9	31.9	5,327	3,676	1,226	123	69
1976	526.3	263.6	156.6	46.2	24.7	5,663	4,326	1,153	116	66
1977	307.7	172.6	60.2	31.1	13.6	3,636	2,662	725	63	46
1978	161.4	99.9	52.0	24.5	5.0	1,952	1,361	466	66	17
1979	239.1	135.2	63.6	36.0	5.1	2,775	2,019	631	105	20
1980	256.0	152.5	65.5	34.3	5.7	3,506	2,701	666	110	26
1981	366.0	223.7	60.0	37.6	6.6	6,364	5,066	1,067	122	36
1982	366.2	257.3	62.4	40.9	7.6	7,610	6,262	1,157	145	46
1983	359.2	233.5	62.9	36.9	6.9	7,029	5,724	1,122	137	46
1984	379.5	249.6	66.0	36.6	7.4	7,564	6,156	1,213	144	53
1985	400.2	256.7	62.6	41.6	10.1	8,400	6,626	1,331	167	76

Source: Recreation Vehicle Industry Association, Reston, VA, *RVs The Family Camping Vehicle, A Year-End Report/1986*. Data also in Motor Vehicle Manufacturers Association of the United States, Inc., Detroit, MI, *Motor Vehicle Facts and Figures*, annual.

NO. 1017. MOTORCYCLES—TRAVEL, REGISTRATION, AND FUEL CONSUMPTION: 1970 TO 1966

YEAR	Travel (mil. veh. miles)	Number of registered vehicles (1,000)	Average travel per vehicle (miles)	FUEL CONSUMPTION		Average miles per gallon consumed
				Total (mil. gal.)	Average per vehicle (gal.)	
1970	2,979	2,624	1,065	56.6	21	50
1971	5,626	4,964	1,134	112.6	23	50
1972	6,346	4,633	1,267	127.0	26	50
1973	7,156	4,666	1,470	143.2	26	50
1974	8,637	6,422	1,563	172.7	32	50
1975	10,214	6,664	1,794	204.3	36	60
1976	10,660	6,631	1,633	213.6	37	50
1977	9,610	5,764	1,722	186.2	34	50
1978	8,760	5,565	1,566	176.2	31	50
1979	8,764	5,460	1,603	175.7	32	50
1980	9,066	5,444	1,666	181.7	33	60
1981	9,414	5,262	1,769	186.3	36	50

Source: U.S. Federal Highway Administration, *Highway Statistics Summary to 1985 and Highway Statistics*, annual.

No. 1018. MOTOR VEHICLE ACCIDENTS—NUMBER AND DEATHS: 1970 TO 1987

(See also *Historical Statistics, Colonial Times to 1970*, series Q 208 and Q 224-232)

Item	Unit	1970	1972 ¹	1975	1980	1982	1983	1984	1985	1986	1987
Motor vehicle accidents ²	Million	18.0	17.0	16.5	17.9	18.1	18.3	18.8	19.3	17.7	(NA)
Cars	Million	23.5	24.5	22.5	22.8	23.2	23.5	25.2	25.8	27.7	(NA)
Trucks	Million	3.2	3.5	3.6	5.5	5.8	5.8	6.3	6.1	6.1	(NA)
Motorcycles	1,000	305	343	372	560	550	530	570	490	440	(NA)
Motor vehicle deaths within 1 yr. ³	1,000	54.6	58.3	45.9	53.2	45.8	44.4	48.2	45.9	48.3	48.8
Noncollision accidents	1,000	15.4	15.8	12.7	14.7	12.8	12.2	12.6	12.9	13.9	13.5
Collision accidents:											
With other motor vehicles	1,000	23.2	23.8	19.5	23.0	19.8	19.2	20.3	19.8	20.5	20.8
With pedestrians	1,000	9.9	10.3	8.4	9.7	8.4	8.2	8.6	8.4	8.3	8.6
With fixed objects	1,000	3.8	3.9	3.1	3.7	3.2	3.1	3.0	2.7	3.3	3.8
Deaths within 30 days ⁴	1,000	52.8	54.6	44.5	51.1	43.9	42.6	44.3	43.6	46.1	46.4
Vehicle occupants	1,000	40.6	41.4	32.8	38.8	31.2	30.6	31.9	31.5	33.7	34.5
Pedestrians	1,000	9.0	9.2	7.5	8.1	7.3	6.8	7.0	6.8	6.8	6.7
Motorcyclists ⁵	1,000	2.3	3.0	3.2	5.1	4.5	4.3	4.8	4.6	4.8	4.0
Bicyclists	1,000	.8	1.0	1.0	1.0	.8	.8	.8	.9	.9	.9
Traffic death rates: ^{4,6}											
Per 100,000 resident population	Rate	25.8	26.2	20.7	22.6	19.0	18.2	18.7	18.4	19.1	19.1
Per 100,000 registered vehicles	Rate	47.9	44.5	32.3	31.8	26.8	25.1	25.7	24.8	25.4	24.9
Per 100 million vehicle miles	Rate	4.7	4.3	3.4	3.3	2.8	2.6	2.6	2.5	2.5	2.4
Per 100,000 licensed drivers	Rate	47.2	46.1	34.3	35.2	29.2	27.6	28.5	27.9	28.9	28.8
Motor vehicle accidents ⁷	Million	22.1	24.9	24.9	24.1	26.5	29.4	30.9	32.5	33.3	33.9
Injuries ⁷	1,000	4,963	5,190	4,976	5,230	4,490	4,695	4,850	5,044	5,300	5,400
Economic loss ^{7,8}	Bil. dol.	23.5	28.7	36.1	57.1	60.2	62.7	66.0	76.0	80.0	85.0

NA Not available. ¹ Represents peak year for deaths from motor vehicle accidents. ² Covers only accidents occurring on the road. ³ Deaths that occur within one year of accident. Includes collision categories not shown separately. ⁴ Within 30 days of accident. Source: U.S. National Highway Traffic Safety Administration, unpublished data from Fatal Accident Reporting System. ⁵ Includes motor scooters and motorized bicycles (mopeds). ⁶ Based on 30-day definition of traffic deaths. ⁷ Source: Insurance Information Institute, New York, NY, *Insurance Facts*. Estimates based on official reports from a representative cross-section of States. Includes all motor vehicle accidents on and off the road and all injuries regardless of length of disability. 1986 data for economic loss based on information from the National Center for Health Statistics, National Health Survey. ⁸ Wage loss; legal, medical, hospital, and funeral expenses; insurance administrative costs; and property damage.

Source: Except as noted, National Safety Council, Chicago, IL, *Accident Facts*, annual. (Copyright.)

No. 1019. DEATHS FROM MOTOR VEHICLE ACCIDENTS, BY STATE: 1970 TO 1986

[Data differ from table 1018 because data are based on date of death, not date of accident. Data reflect State where death occurred. Includes deaths of nonresidents of U.S. Beginning 1980, deaths classified according to the ninth revision of the *International Classification of Diseases*, for earlier years classified according to the revision in use at the time; see text, section 2. Data based on Vital Registration System, see Appendix III. For composition of regions, see fig. 1, inside front cover.]

REGION, DIVISION, AND STATE	1970	1972 ¹	1975	1980	1985	1986	DIVISION AND STATE	1970	1972 ¹	1975	1980	1985	1986
U.S.	54,845	55,526	46,932	53,476	46,199	48,140	S.A.	8,798	10,800	8,388	9,767	8,388	8,986
Region:							DE	158	130	129	164	119	180
Northeast	8,850	8,992	7,431	8,255	6,797	7,000	MD	808	852	686	822	766	796
Midwest	14,629	14,670	11,293	12,244	9,760	10,116	DC	140	100	81	79	96	86
South	20,792	21,964	18,029	21,014	19,250	20,188	VA	1,251	1,256	1,089	1,111	1,021	1,141
West	10,674	10,902	9,279	11,963	10,352	10,746	WV	561	578	489	583	461	470
N.E.	2,086	2,180	1,873	2,346	1,873	1,880	NC	1,801	2,026	1,500	1,566	1,553	1,727
ME	268	252	235	284	224	218	SC	1,070	1,148	807	895	943	1,077
NH	182	172	155	192	198	181	GA	1,825	1,940	1,420	1,558	1,462	1,604
VT	118	126	124	131	117	105	FL	2,161	2,570	2,067	2,967	2,968	2,925
MA	918	1,042	895	833	761	773	E.S.C.	4,880	4,872	3,881	3,895	3,894	4,188
RI	143	144	140	142	124	155	KY	1,081	1,114	885	865	749	829
CT	448	444	404	584	449	445	TN	1,525	1,526	1,280	1,280	1,210	1,372
M.A.	6,766	6,812	5,478	6,098	4,824	5,210	AL	1,297	1,358	1,087	1,054	1,005	1,180
NY	3,117	3,140	2,277	2,717	2,121	2,183	MS	947	976	829	796	691	765
NJ	1,289	1,352	1,099	1,130	986	1,059	W.S.C.	6,148	4,882	5,790	7,282	6,197	6,037
PA	2,349	2,320	2,102	2,162	1,817	1,998	AR	585	750	577	607	580	624
E.N.C.	9,823	9,614	7,361	8,000	6,802	6,764	LA	1,194	1,136	993	1,261	1,011	987
OH	2,488	2,336	1,852	1,978	1,581	1,609	OK	787	782	748	1,006	781	725
IN	1,587	1,578	1,139	1,213	1,045	1,077	TX	3,570	3,714	3,472	4,378	3,825	3,701
IL	2,267	2,216	1,816	1,965	1,594	1,833	Mt.	3,549	2,764	3,266	4,071	3,498	3,889
MI	2,172	2,238	1,811	1,817	1,605	1,688	MT	340	406	294	339	233	240
WI	1,100	1,148	943	1,008	777	789	ID	320	324	281	345	268	273
W.N.C.	6,006	5,188	3,933	4,344	3,168	3,381	WY	210	186	210	246	145	163
MN	1,029	1,052	796	900	657	608	CO	897	746	621	783	628	657
IA	946	904	714	882	478	448	NM	586	586	566	617	581	539
MO	1,479	1,500	1,106	1,236	1,006	1,205	AZ	782	659	713	963	942	1,073
ND	184	208	183	184	117	120	UT	354	354	285	370	335	370
SD	240	312	216	236	142	152	NV	278	290	298	388	297	274
NE	435	504	385	406	259	311	Pac.	7,836	7,139	6,073	7,992	6,843	7,187
KS	684	676	531	615	500	519	WA	802	836	804	1,048	786	783
							OR	739	774	582	888	806	649
							CA	5,114	5,300	4,414	5,880	5,294	5,523
							AK	107	84	120	91	124	98
							HI	183	184	153	196	134	124

¹ Represents peak year for deaths from motor vehicle accidents.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual and unpublished data.

NO. 1020. FATAL MOTOR-VEHICLE ACCIDENTS—NUMBER OF ACCIDENTS AND FATALITIES, BY TYPE OF VEHICLE: 1980 TO 1986

(Based on data from the Fatal Accident Reporting System)

TYPE OF VEHICLE	ACCIDENTS ¹						OCCUPANT FATALITIES					
	1980	1981	1982	1983	1984	1985	1980	1981	1982	1983	1984	1985
Total²	45,394	38,092	37,878	36,831	36,196	41,980	41,927	35,545	34,943	36,394	36,946	36,229
Passenger cars ³	31,550	27,548	26,696	27,745	27,142	28,752	27,449	23,330	22,979	23,621	23,214	24,847
Mini-compact	3,253	3,559	3,759	4,001	3,973	4,348	2,896	3,194	3,279	3,470	3,429	3,847
Subcompact	4,875	4,549	4,954	5,275	5,445	6,008	4,155	3,851	4,000	4,346	4,422	4,770
Compact	1,118	1,398	1,936	2,670	3,445	4,374	827	1,210	1,499	2,081	2,635	3,312
Intermediate	5,224	5,305	5,352	5,976	6,084	6,555	3,879	3,919	3,986	4,267	4,391	4,783
Full size	7,028	5,891	5,351	5,199	4,909	5,094	4,891	3,851	3,499	3,289	2,974	3,191
Largest size	10,817	8,343	7,524	7,334	6,452	6,339	6,748	4,779	4,470	4,180	3,812	3,662
Unknown	5,134	3,993	3,284	2,886	2,699	2,053	3,949	2,896	2,258	2,008	1,751	1,602
Motorcycles	4,579	4,201	4,045	4,378	4,342	4,209	4,991	4,270	4,104	4,431	4,417	4,308
Moped, mini bike	180	177	158	172	151	250	183	183	181	177	147	257
Light trucks ⁴	10,841	9,597	9,347	10,285	10,470	11,179	9,898	8,890	8,305	8,773	8,894	9,390
Pickup	8,796	7,842	7,996	8,255	8,375	8,526	5,463	4,677	4,579	4,873	4,958	5,090
Van	2,006	1,722	1,815	1,737	1,807	1,852	1,000	814	712	764	791	879
Medium trucks	1,079	699	672	699	654	691	295	154	172	163	157	145
Heavy trucks ⁴	4,039	3,754	3,896	4,185	4,217	4,171	978	799	807	920	814	791
Single-unit ⁵	377	293	323	271	370	305	88	52	60	63	46	42
Two-unit ⁵	3,366	3,072	3,144	3,599	3,411	3,361	812	695	649	756	692	696
Multi-unit	146	129	168	185	182	179	41	25	39	37	31	50
Buses	329	293	305	302	304	202	46	35	59	45	55	39

¹ Each accident involving multiple types of vehicles is recorded in each category; therefore, the aggregate of all types will exceed the total number of accidents. ² Includes other types and unknown, not shown separately. ³ Mini-compact wheel base less than 95 in., subcompact, 95 in. to 99 in., compact, 100 in. to 104 in., intermediate, 105 in. to 109 in.; full size, 110-114 in., and largest size greater than 115 in. ⁴ Gross vehicle weight greater than 28,000 lbs. ⁵ Tractor-trailer combination.

Source: U.S. National Highway Traffic Safety Administration, *Fatal Accident Reporting System*, annual.

NO. 1021. HIGHWAY MILEAGE, VEHICLE MILES OF TRAVEL, ACCIDENTS, AND FATALITIES, 1975 TO 1986, AND BY TYPE OF HIGHWAY SYSTEM, 1986

YEAR AND TYPE OF SYSTEM	Highway mileage (1,000)	Vehicle miles of travel (bil.)	Daily vehicle miles per mile	FATAL ACCIDENTS		NONFATAL INJURY ACCIDENTS		FATALITIES ²	
				Number	Rate ¹	Number (1,000)	Rate ¹	Number	Rate ¹
1975, total	3,836	1,326	948	39,993	3.01	1,861	140	45,500	3.43
1980, total	3,857	1,527	1,082	45,284	2.98	2,008	131	51,091	3.35
1982, total	3,896	1,595	1,130	39,092	2.45	1,986	123	43,846	2.76
1983, total	3,890	1,653	1,167	37,976	2.30	2,005	121	42,569	2.56
1984, total	3,892	1,720	1,208	39,831	2.30	2,137	124	44,257	2.57
1985, total	3,862	1,774	1,259	39,198	2.21	2,219	125	43,795	2.47
1986, total	3,990	1,839	1,298	41,062	2.23	2,254	123	46,065	2.51
Urban	702	1,088	4,250	18,740	1.72	1,577	145	20,307	1.87
Rural	3,178	750	647	22,322	2.98	677	90	25,749	3.43
Interstate	44	391	24,411	3,716	.95	144	37	4,251	1.09
Urban	11	231	57,266	1,908	.83	107	46	2,139	.93
Rural	33	160	13,327	1,808	1.13	37	23	2,112	1.32
Noninterstate	3,836	1,447	1,034	37,348	2.58	2,110	145	41,605	2.89
Urban	691	857	3,401	16,832	1.98	1,470	172	18,168	2.12
Rural	3,145	590	514	20,514	3.47	640	108	23,637	4.00
Federal-aid highway system, total	847	1,483	4,795	30,757	2.07	1,498	101	34,794	2.35
Urban	190	880	12,678	14,595	1.68	1,102	125	15,856	1.80
Rural	657	603	2,514	16,192	2.69	396	66	18,938	3.14
Interstate	44	391	24,411	3,716	.95	144	37	4,251	1.09
Other primary arterial	259	537	5,677	12,584	2.34	512	95	14,579	2.71
Urban	33	251	20,891	4,014	1.60	317	126	4,406	1.75
Rural	226	286	3,481	8,570	3.00	195	68	10,171	3.56
Urban (arterial and collector)	146	396	7,450	8,543	2.15	877	170	9,311	2.34
Secondary (collector)	398	157	1,083	5,814	3.99	165	105	5,853	4.23
Non-Federal-aid highway system, total	3,032	355	321	10,305	2.90	756	213	11,262	3.17
Urban	511	208	1,118	4,175	2.01	476	229	4,449	2.14
Rural	2,521	147	180	6,130	4.16	280	190	6,813	4.83
Collector	349	70	553	2,061	2.82	101	143	2,301	3.26
Urban	19	19	2,799	309	1.57	20	102	332	1.68
Rural	330	51	422	1,752	3.45	81	159	1,969	3.88
Local	2,672	257	263	7,742	3.01	634	247	8,391	3.27
Urban	483	165	932	3,465	2.11	437	288	3,660	2.24
Rural	2,189	92	116	4,278	4.83	197	214	4,711	5.10

¹ Rate per 100 million vehicle miles of travel. ² Represents fatalities occurring within 30 days of accident. Excludes nontraffic accidents which, for example, occur outside the right-of-way or other boundaries of roads that are open for public use.

Source: U.S. Federal Highway Administration, *Fatal and Injury Accident Rates on Public Roads in the United States*, annual.

No. 1022. MOTOR VEHICLE SAFETY DEFECT RECALLS, BY DOMESTIC AND FOREIGN MANUFACTURERS:
1975 TO 1987

[Covers manufacturers reporting to U.S. National Highway Traffic Administration under section 151 of National Traffic and Motor Vehicle Safety Act of 1966, as amended]

MANUFACTURER	Unit	1975	1976	1979	1980	1981	1982	1983	1984	1985	1986	1987
Motor vehicles:												
Total recall campaigns ¹	Number.....	217	271	275	167	156	136	140	164	173	174	166
Domestic.....	Number.....	190	199	218	129	126	107	110	127	137	139	150
Foreign.....	Number.....	27	72	57	38	28	28	30	37	36	35	49
Total vehicles recalled.....	1,000.....	2,189	9,063	8,919	4,863	9,406	1,914	6,114	7,289	6,629	2,696	9,091
Domestic.....	1,000.....	1,829	7,921	8,097	3,939	7,379	1,401	3,090	6,263	4,995	1,731	7,297
Vehicles recalled by 4 leading auto manufacturers.....	1,000.....	1,602	7,670	6,989	3,730	7,247	1,324	3,021	6,146	4,811	1,362	8,644
Foreign.....	1,000.....	280	1,141	1,922	924	2,926	513	3,024	937	634	1,149	1,798
Motor vehicle tires:												
Recall campaigns ¹	Number.....	22	31	42	24	25	17	21	16	19	14	16
Tires recalled.....	1,000.....	72	14,666	236	7,070	125	131	66	61	28	164	43

¹ A recall campaign is the notification to the Secretary of the U.S. Dept. of Transportation and to owners, purchasers, and dealers, of a motor vehicle safety defect.
Source: U.S. National Highway Traffic Safety Administration, *Motor Vehicles Defect Recall Campaigns*, annual.

No. 1023. LICENSED DRIVERS AND ESTIMATED ARRESTS FOR DRIVING UNDER THE INFLUENCE, BY AGE: 1975 AND 1986

[Total drivers and arrests in thousands. Represents licensed drivers and arrests for those 16 years old and over]

AGE	1975			1986			Percent change in rate, 1975-86
	Drivers	Arrests	Arrests per 100,000 drivers	Drivers	Arrests	Arrests per 100,000 drivers	
Total.....	129,671	648	729	158,494	1,796	1,136	58
Percent distribution.....	100.0	100.0	(x)	100.0	100.0	(x)	(x)
16-17 years old.....	3.7	1.8	362	2.6	1.5	647	84
18-24 years old.....	18.9	25.3	979	15.7	26.8	2,075	112
25-29 years old.....	12.9	15.0	647	13.0	22.0	1,909	125
30-34 years old.....	10.3	12.2	667	12.2	15.8	1,471	70
35-39 years old.....	8.5	10.6	908	10.9	11.1	1,158	27
40-44 years old.....	7.9	9.6	904	8.5	7.2	968	7
45-49 years old.....	8.0	8.9	812	6.9	4.9	806	-1
50-54 years old.....	7.9	7.3	675	6.3	3.4	608	-10
55-59 years old.....	6.8	4.8	490	6.3	2.4	434	-11
60-64 years old.....	5.7	2.7	347	5.9	1.6	280	-14
65 years old and over.....	9.5	1.8	141	11.9	1.2	118	-16

X Not applicable.
Source: U.S. Bureau of Justice Statistics, *Drunk Driving, Special Report*.

No. 1024. LICENSED DRIVERS, FATAL MOTOR-VEHICLE ACCIDENTS, AND ALCOHOL INVOLVEMENT, BY AGE OF DRIVER: 1987

ITEM	Unit	Total	AGE OF DRIVER							
			16-17 years	18-21 years	22-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65 years and over
Licensed drivers (estimated) ¹	1,000.....	161,975	4,202	12,400	11,593	40,739	32,369	21,367	19,339	19,880
Percent distribution.....	Percent.....	100.0	2.6	7.7	7.2	25.2	20.0	13.2	11.9	12.3
Licensed drivers involved in fatal accidents.....	Number.....	² 61,434	3,326	8,874	8,513	16,554	9,774	5,472	4,221	5,078
Percent distribution.....	Percent.....	² 100.0	5.4	14.4	10.6	26.9	15.9	8.9	6.9	8.3
Drinking drivers involved in fatal accidents.....	Number.....	² 20,364	796	3,534	2,966	6,669	3,067	1,225	767	511
Percent distribution.....	Percent.....	² 100.0	3.9	17.3	14.6	33.8	15.0	6.0	3.8	2.5

¹ Source: U.S. Federal Highway Administration, *Selected Highway Statistics and Charts*, annual. ² Includes ages unknown and less than 16 years old.
Source: Except as noted, U.S. National Highway Traffic Safety Administration, unpublished data from the Fatal Accident Reporting System.

No. 1025. MOTOR VEHICLE TRAVEL, BY TYPE OF VEHICLE, AND SPEED: 1970 TO 1986

[Travel in billions of vehicle-miles, except as indicated. Travel estimates based on automatic traffic recorder data. Speed trend data for 1970-1975 were collected by several State highway agencies, normally during summer months; beginning Oct. 1975 all States have monitored speeds at locations on several highway systems as part of 55 mile per hour Speed Limit Monitoring Program. See also *Historical Statistics, Colonial Times to 1970*, series Q 199-207]

YEAR	VEHICLE-MILES OF TRAVEL (bil.)				AVG. MILES PER VEHICLE (1,000)			MOTOR VEHICLE SPEED ²				
	Total	Cars ¹	Buses	Trucks	Passenger vehicles		Trucks	Vehicles recorded (1,000) ³	Avg. speed (miles per hour)	Percent of vehicles exceeding—		
					Cars ¹	Buses				55 m.p.h.	60 m.p.h.	65 m.p.h.
1970	1,110	920	4.5	188	10.0	12.0	9.9	200	63.8	67	69	44
1974	1,281	1,013	5.7	262	9.2	12.7	10.6	203	57.6	65	29	9
1975	1,326	1,040	6.1	282	9.3	13.1	10.9	102	57.6	68	27	7
1976	1,402	1,084	6.3	312	9.4	13.1	11.2	515	58.2	68	32	10
1977	1,467	1,118	5.8	348	9.5	11.9	11.8	500	58.8	74	35	10
1978	1,545	1,154	5.9	385	9.5	11.6	12.3	488	58.8	74	36	10
1979	1,529	1,122	5.9	401	9.1	11.3	12.2	506	58.3	72	32	9
1980	1,527	1,122	6.1	399	8.8	11.5	11.9	667	57.5	66	25	7
1981	1,553	1,142	6.2	405	8.9	11.5	11.7	3,048	57.9	68	30	9
1982	1,595	1,178	5.8	413	9.1	10.4	11.7	4,895	59.0	73	40	14
1983	1,653	1,207	5.2	441	9.1	8.9	12.0	7,856	58.1	74	41	15
1984	1,720	1,234	4.6	482	9.2	8.0	12.8	8,067	59.3	75	43	16
1985	1,774	1,270	4.9	500	9.2	8.2	12.7	8,449	59.5	75	44	17
1986	1,836	1,313	5.1	520	9.3	8.8	13.0	8,549	59.7	76	46	18

¹ Includes motorcycles. ² Represents speed on rural interstate highways. For 1970-1979, based on free flow speed of vehicles recorded on level, straight sections of rural interstate highways during off-peak hours; beginning 1980, based on all vehicles on rural interstate highways. Beginning 1976, for year ending Sept. 30. ³ Citations issued for 55 mph violations.

No. 1026. DOMESTIC MOTOR FUEL CONSUMPTION, BY TYPE OF VEHICLE: 1970 TO 1986

[Comprises all fuels (gas, diesel, or other fuels) used for propulsion of vehicles under State motor fuels laws. Excludes Federal purchases for military use. Minus sign (-) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series Q 156-162]

YEAR	FUEL CONSUMPTION					AVERAGE FUEL CONSUMPTION PER VEHICLE (gal.)				AVERAGE MILEAGE PER GALLON			
	All vehicles (bil. gal.)	Avg. annual percent change ¹	Cars ² (bil. gal.)	Buses ³ (bil. gal.)	Trucks ⁴ (bil. gal.)	All veh- cles	Cars ²	Buses ³	Trucks ⁴	All veh- cles	Cars ²	Buses ³	Trucks ⁴
1970	92.3	5.4	67.6	.8	23.6	830	780	2,172	1,257	12.02	13.52	5.54	7.85
1973	110.5	6.2	78.7	1.0	30.7	860	771	2,328	1,321	11.89	13.30	5.66	8.34
1974	106.3	-3.8	75.1	1.0	30.1	788	718	2,159	1,224	12.05	13.42	5.69	8.70
1975	109.0	2.5	76.4	1.1	31.4	790	716	2,279	1,217	12.18	13.52	5.75	8.99
1976	115.7	6.2	79.7	1.0	34.8	806	723	2,188	1,250	12.12	13.53	5.98	8.95
1977	119.6	3.4	80.4	1.0	38.1	814	716	1,984	1,301	12.26	13.80	5.98	9.06
1978	125.1	4.5	81.7	1.0	42.3	816	701	1,957	1,349	12.35	14.04	5.95	9.11
1979	122.1	2.4	77.3	1.0	43.6	776	653	1,891	1,326	12.52	14.41	5.97	9.19
1980	115.0	5.9	71.9	1.0	41.9	712	681	1,926	1,243	13.29	15.48	5.95	9.54
1981	114.5	-4	71.0	1.1	42.2	697	576	1,936	1,219	13.57	15.94	5.92	9.59
1982	113.4	-9	70.1	1.0	42.1	686	566	1,756	1,191	14.07	16.65	5.93	9.80
1983	116.1	2.4	69.9	.9	45.1	686	553	1,507	1,229	14.24	17.14	5.92	9.77
1984	118.7	2.3	69.7	.8	48.0	691	538	1,359	1,306	14.49	17.83	5.85	9.83
1985	121.3	2.2	69.3	.8	51.0	685	525	1,407	1,302	14.62	18.20	5.84	9.79
1986	126.2		71.2	.9	52.9	690	525	1,500	1,318	14.69	18.32	5.71	9.83

¹ From prior year shown. For 1970, change from 1965.

² Includes taxicabs.

³ Includes school buses.

⁴ Includes combinations.

Source of tables 1025 and 1026: U.S. Federal Highway Administration, *Highway Statistics Summary to 1985*, and *Highway Statistics*, annual.

No. 1027. DOMESTIC MOTOR GASOLINE SUPPLY: 1974 TO 1987

[In 1,000 barrels per day, except as noted]

YEAR	SUPPLY ¹			Pro- duction	Net im- ports	Stocks ² (mil. bbls.)	YEAR	SUPPLY ¹			Pro- duction	Net im- ports	Stocks ² (mil. bbls.)
	Total	Unleaded						Total	Unleaded				
		Total	Per- cent						Total	Per- cent			
1974, avg	6,537	(NA)	(NA)	6,380	202	218	1981, avg	6,586	3,264	49.5	6,405	155	253
1975, avg	6,675	(NA)	(NA)	6,520	182	236	1982, avg	6,539	3,406	52.1	6,339	177	235
1976, avg	6,979	1,508	21.6	6,841	128	231	1983, avg	6,622	3,647	55.1	6,340	237	222
1977, avg	7,177	1,976	27.5	7,033	216	258	1984, avg	6,893	3,967	56.6	6,453	293	243
1978, avg	7,412	2,521	34.0	7,189	189	238	1985, avg	6,831	4,406	64.5	6,418	371	223
1979, avg	7,034	2,798	39.8	6,852	181	237	1986, avg	7,034	4,854	69.0	6,752	283	
1980, avg	6,579	3,067	46.6	6,509	139	261	1987, avg	7,206	5,470	75.9	6,841	349	

NA Not available. ¹ Production plus net imports less net increase in primary stocks. ² End of year, includes motor gasoline blending components.

Source: U.S. Energy Information Administration, *Monthly Energy Review*, April 1988.

No. 1028. HOUSEHOLD VEHICLES: ANNUAL MILEAGE, FUEL CONSUMPTION, AND FUEL EXPENDITURES: 1985

[See headnote, table 1029]

HOUSEHOLD AND VEHICLE CHARACTERISTICS	NUMBER OF—			MILES DRIVEN		GALLONS CONSUMED		EXPENDITURES	
	Households (millions)	Vehicles (millions)	Vehicles per household	Total (billion)	Per cent	Total (billion)	Per cent	Total (bil. dol.)	Per cent
Total	77.7	137.3	1.5	1,963	100.0	83.9	100.0	98.1	100.0
Metropolitan status:									
Metropolitan.....	59.0	103.0	1.7	1,029	78.1	62.8	74.8	73.8	74.5
Central city.....	25.5	41.0	1.6	363	28.3	23.9	26.5	28.3	28.5
Outside central city.....	33.6	62.0	1.8	646	47.8	38.7	48.1	45.6	46.0
Nonmetropolitan.....	18.7	34.3	1.8	324	23.9	21.3	25.4	25.2	25.5
Origin of householder: White.....	68.1	122.3	1.8	1,204	89.0	74.3	88.5	87.7	88.5
Black.....	7.2	11.0	1.5	112	8.3	7.4	8.9	8.8	8.8
Hispanic descent: Yes.....	3.5	8.0	1.7	58	4.3	3.6	4.3	4.3	4.3
No.....	74.3	131.3	1.8	1,285	95.7	80.3	95.7	94.8	95.7
Household size: 1 person.....	15.9	19.0	1.2	182	12.0	10.0	11.9	11.8	12.0
2 persons.....	24.5	41.3	1.7	395	28.6	23.5	28.0	27.6	28.0
3 persons.....	14.6	29.0	2.0	293	21.7	18.2	21.7	21.5	21.7
4 persons.....	12.9	25.8	2.1	281	20.8	17.6	21.3	21.0	21.2
5 or more persons.....	9.9	21.3	2.2	230	17.0	14.4	17.1	16.9	17.1
Family income 1985:									
Less than \$5,000.....	3.7	4.4	1.2	34	2.5	2.4	2.8	2.8	2.8
\$5,000-\$9,999.....	9.7	12.5	1.3	98	7.2	6.7	6.0	7.8	7.9
\$10,000-\$14,999.....	10.7	15.8	1.5	149	11.0	9.8	11.7	11.5	11.8
\$15,000-\$19,999.....	9.7	15.8	1.6	141	10.4	9.0	10.7	10.5	10.6
\$20,000-\$24,999.....	9.5	16.9	1.8	185	12.2	10.4	12.3	12.2	12.3
\$25,000-\$34,999.....	14.7	28.2	1.9	289	21.4	17.8	21.3	21.0	21.2
\$35,000 or more.....	19.8	43.7	2.2	477	35.2	27.9	33.2	33.3	33.6
Number of drivers (fall 1984): 1 ..	24.7	29.6	1.2	257	19.0	16.1	19.1	19.0	19.2
2.....	39.1	73.1	1.9	730	53.9	45.3	54.0	53.5	54.0
3 or more.....	12.5	32.9	2.8	362	26.0	21.7	25.9	25.7	25.9
Type of fuel: Leaded.....	(X)	42.0	(X)	332	24.5	24.5	29.2	27.3	27.6
Unleaded.....	(X)	92.8	(X)	990	73.2	57.6	68.9	69.9	70.6
Type of vehicle: Automobile.....	(X)	106.6	(X)	1,059	78.3	61.7	73.5	73.4	74.1
Jeep-like vehicle.....	(X)	3.7	(X)	39	2.9	3.1	3.6	3.6	3.6
Van.....	(X)	4.7	(X)	49	3.8	3.7	4.4	4.3	4.4
Pickup truck.....	(X)	21.2	(X)	199	14.7	14.7	17.5	16.9	17.1
Number of cylinders: 4.....	(X)	39.9	(X)	445	32.9	19.6	23.4	23.5	23.7
6.....	(X)	35.6	(X)	362	26.8	22.7	27.0	26.9	27.2
8.....	(X)	81.0	(X)	536	39.6	41.1	49.0	48.1	48.5
Air conditioning: Yes.....	(X)	88.3	(X)	985	85.4	55.2	85.8	85.6	86.2
No.....	(X)	51.0	(X)	485	34.8	28.7	34.2	33.5	33.8
Type of transmission:									
Automatic.....	(X)	98.0	(X)	984	70.5	63.2	75.4	74.7	75.4
Manual.....	(X)	39.3	(X)	399	29.5	20.7	24.6	24.4	24.8
Vehicle used on the job: Yes.....	(X)	17.3	(X)	203	15.0	12.6	15.0	15.0	15.2
No.....	(X)	120.0	(X)	1,150	85.0	71.3	85.0	84.0	84.6

X Not applicable.

No. 1029. HOUSEHOLD MOTOR VEHICLE TRANSPORTATION, BY VEHICLE MODEL YEAR: 1985

[Preliminary. Household vehicles include all motorized vehicles used for personal transportation, excluding motorcycles, mopeds, large trucks, and buses. The reporting unit for 1985 is all households which owned a vehicle at any time during 1985. Based on the Residential Transportation Energy Consumption Survey, subject to sampling variability]

HOUSEHOLD CHARACTERISTICS	Households with motor vehicles (mil.)	VEHICLES (millions)					MILES PER GALLON				
		Total	Model year				Average	Model year			
			1975 and earlier	1974 to 1976	1970 to 1982	1983 and later		1975 and earlier	1974 to 1976	1970 to 1982	1983 and later
Total	77.7	137.3	38.6	43.3	37.8	28.7	16.1	13.4	12.6	17.9	19.3
Northeast.....	15.0	24.6	3.0	8.1	7.6	6.1	17.0	13.6	14.0	18.8	20.2
Midwest.....	19.5	34.1	6.4	11.4	9.0	7.0	15.8	12.6	13.2	17.6	19.1
South.....	27.0	48.5	9.2	15.0	13.8	10.5	15.8	12.9	13.5	17.4	18.9
West.....	16.1	29.8	8.3	8.9	7.3	5.1	16.5	14.4	15.0	18.3	19.2
Family income in 1985:											
Less than \$5,000.....	3.7	4.4	1.4	1.7	.7	.6	14.2	12.5	13.7	17.5	15.6
\$5,000-\$9,999.....	9.7	12.5	4.3	4.4	2.4	1.4	14.6	13.3	12.7	16.8	19.9
\$10,000-\$14,999.....	10.7	15.8	4.4	5.8	3.8	1.8	15.2	13.4	13.8	17.5	18.9
\$15,000-\$19,999.....	9.7	15.8	3.5	5.7	3.9	2.6	15.7	12.9	13.4	18.1	20.4
\$20,000-\$24,999.....	3.6	16.9	3.1	5.5	4.7	3.4	18.0	13.3	14.0	17.9	18.9
\$25,000-\$34,999.....	14.7	28.2	4.5	9.2	8.5	5.9	16.2	13.2	14.0	19.2	19.0
\$35,000 or more.....	19.8	43.7	8.7	11.0	13.7	13.1	17.1	13.5	14.3	17.9	18.4

Source of tables 1028 and 1029: U.S. Energy Information Administration, Residential Transportation Energy Consumption Survey: Consumption Patterns of Household Vehicles, 1985.

NO. 1032. CLASS I INTERCITY MOTOR CARRIERS OF PASSENGERS: 1970 TO 1986

[Carriers subject to ICC regulations. See text, section 21. Minus sign (-) indicates deficit. See also *Historical Statistics, Colonial Times to 1970*, series Q 69-75]

ITEM	Unit	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
Carriers reporting ¹	Number	71	77	43	45	48	45	50	45	43	43	29
Number of employees, average	1,000	34	31	26	27	31	31	30	25	25	24	20
Compensation of employees	Mill. dol.	317	383	412	489	599	630	648	570	551	518	443
Operating revenue	Mill. dol.	722	942	1,021	1,200	1,397	1,453	1,447	1,276	1,255	1,233	1,117
Passenger revenue ²	Mill. dol.	524	651	671	802	947	993	969	876	861	836	765
Special bus revenue and other	Mill. dol.	198	291	345	398	215	202	229	180	180	184	155
Operating expenses	Mill. dol.	639	880	883	1,143	1,318	1,381	1,418	1,283	1,254	1,189	1,082
Net operating revenue	Mill. dol.	83	61	38	57	79	72	30	7	1	65	35
Ordinary income												
Before income taxes	Mill. dol.	88	83	57	57	107	88	35	16	53	65	50
After income taxes	Mill. dol.	52	58	41	57	80	61	37	26	43	53	36
Passenger vehicles in service ³	1,000	13.3	9.7	8.6	8.2	8.6	8.4	8.1	7.3	7.0	6.4	6.3
Vehicle-miles, passenger	Million	871	635	726	754	781	732	717	591	585	567	496
Revenue passengers carried	Million	174	147	118	122	134	114	112	94	89	86	74
Expense per vehicle-mile	Dollar	73	1.05	1.35	1.52	1.69	1.89	1.98	2.17	2.14	2.06	2.18

¹ Excludes carriers preponderantly in local or suburban service and carriers engaged in transportation of both property and passengers. ² Includes \$4 million from Government authorities for current operations. ³ Regular route, intercity and local.

Source: U.S. Interstate Commerce Commission, 1970, *Transport Statistics in the United States*, Part 7, and 1975-1984, Part 2, annual.

NO. 1033. INTERCITY BUS LINES—SUMMARY OF OPERATIONS: 1970 TO 1987

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
Operating companies	Number	1,000	960	1,200	1,330	1,470	1,520	(NA)	(NA)	(NA)	(NA)	(NA)
Buses	1,000	22.0	20.5	21.3	21.4	21.7	20.9	20.4	20.1	20.1	19.1	18.4
Miles of highway served (Dec. 31) ¹	1,000	267	274	280	279	278	273	270	268	263	257	249
Employees (Dec. 31) ²	1,000	50	47	48	49	50	48	45	44	43	41	39
Bus miles, total	Million	1,209	1,128	1,153	1,182	1,151	1,116	1,027	1,016	997	945	914
Revenue passengers	Million	401	351	368	370	370	359	352	352	353	348	333
Charter and tour passengers	Million	92	145	185	195	204	206	209	(NA)	(NA)	(NA)	(NA)
Revenue passenger-miles	Billion	25.3	25.4	27.7	27.4	268	27.3	25.4	25.2	23.8	22.5	21.9
Operating revenue, all services	Mill. dol.	801	1,172	1,664	1,943	2,097	2,070	1,953	1,914	1,898	1,836	1,717
Operating expenses	Mill. dol.	812	1,103	1,572	1,811	1,982	2,013	1,938	1,899	1,839	1,781	1,699
Net operating revenue ³	Mill. dol.	89	89	92	132	115	57	15	18	59	57	48

NA Not available. ¹ Includes duplication between carriers. ² Operating companies only. ³ Before income taxes.

Source: American Bus Association, Washington, DC, *Bus Facts*, annual, and *Annual Report*.

NO. 1034. WAREHOUSING SERVICES—OPERATING REVENUES, OPERATING EXPENSES, AND PAYROLL: 1985 TO 1987

[In millions of dollars]

SIC ¹ code	KIND OF BUSINESS	OPERATING REVENUES			OPERATING EXPENSES			ANNUAL PAYROLL		
		1985	1986	1987	1985	1986	1987	1985	1986	1987
42	Motor freight transportation and warehousing services ²	88,842	81,544	97,864	82,865	65,472	92,808	26,973	27,798	29,790
421	Trucking, local and long distance	82,212	66,614	82,864	78,619	61,193	86,142	25,578	26,306	28,257
422	Public warehousing	4,416	4,760	4,811	3,647	4,131	4,211	1,322	1,433	1,422
4221	Farm product warehousing and storage	516	(D)	617	457	(D)	510	(D)	(D)	(D)
4222	Refrigerated warehousing	1,007	1,136	1,231	672	969	1,017	313	348	343
4224	Household goods warehousing and storage	233	226	251	200	187	198	63	64	58
4225, 6	General warehousing and storage and special warehousing and storage not elsewhere classified	2,657	2,668	2,812	2,319	2,500	2,486	511	664	662

D Data do not meet publication standards because of high sampling error or high imputation rate. ¹ Standard Industrial Classification. ² Includes terminal and joint terminal maintenance facilities for motor freight transportation (SIC 4231) not shown separately.

Source: U.S. Bureau of the Census, *Current Business Reports*, 1987 *Motor Freight Transportation and Warehousing Survey*.

No. 1035. TRUCKING SERVICES—OPERATING REVENUES, OPERATING EXPENSES, AND EQUIPMENT BY TYPE OF CARRIER: 1985 TO 1997

In millions of dollars, except as indicated. Data cover SIC group 401. Estimates include both regulated and unregulated carriers; excluded are non-employees (i.e., firms with no paid employees and private fleets operated as business establishments to nontransportation companies. Some unregulated estimates may be derived from this table by subtraction, but such figures are subject to high sampling variability and should be used with caution.)

ITEM	ALL CARRIERS			SPECIALTY FREIGHT CARRIERS			SPECIALTY FREIGHT CARRIERS		
	1985	1986	1987	1988	1989	1990	1991	1992	1993
Operating revenues:									
Total ¹	92,212	96,614	92,494	39,697	31,297	35,302	33,404	33,209	36,690
Motor carrier	76,986	80,696	86,891	25,531	27,105	29,306	27,496	23,513	27,495
Local trucking	16,609	15,634	16,605	5,999	5,452	10,894	6,911	6,196	7,199
Intercity trucking	60,367	65,066	69,186	19,535	17,734	18,414	20,585	17,317	20,296
Operating expenses:									
Total	78,676	81,189	88,142	27,349	26,601	31,438	31,471	31,369	36,103
Annual payroll	25,578	26,305	28,257	7,274	7,571	8,089	10,203	10,734	10,199
Employer contributions to Social Security and other supplemental labor benefits	5,851	5,940	6,480	1,367	1,459	1,582	4,494	4,491	4,999
Purchased fuels	8,414	8,244	8,678	2,859	1,679	1,894	4,304	3,799	3,792
Cost of purchased transportation	(NA)	18,087	18,801	(NA)	8,715	8,498	(NA)	10,391	11,434
Lease and rental payments	1,235	1,520	1,679	474	844	735	761	879	944
Cost of insurance	(NA)	3,053	3,513	(NA)	1,223	1,454	(NA)	1,630	2,099
Maintenance and repair costs	(NA)	4,374	4,788	(NA)	1,774	1,901	(NA)	2,600	2,817
Depreciation	3,841	4,157	4,585	1,300	1,573	1,821	2,441	2,594	2,794
Taxes and licenses	1,832	1,829	1,887	592	597	699	1,090	1,233	1,199
Other	(NA)	8,674	11,455	(NA)	4,367	4,817	(NA)	3,309	6,639
Equipment (1,000 units):²									
Trucks	216	201	226	(9)	77	89	(9)	124	137
Truck-tractors	489	461	502	167	165	187	309	299	324
Trailers, full and semi	1,011	1,055	1,184	246	254	312	786	801	869

NA: Not available. S: Data do not meet publication standards. ¹Includes other revenues not shown separately.

²Represents revenue generating freight equipment as of December 31. Includes owned and leased equipment.

Source: U.S. Bureau of the Census, *Current Business Reports*, 1997 Motor Freight Transportation and Warehousing Survey.

No. 1036. CLASS I INTERCITY MOTOR CARRIERS OF PROPERTY, BY CARRIER: 1975 TO 1996

(See headnote, table 1032. Common carriers are carriers offering regular scheduled service. Contract carriers provide service at request of user. Minus sign (-) indicates loss.)

ITEM	Unit	1975	1980	1985	1990	1975	1980	1985	1996
		COMMON CARRIER, GENERAL FREIGHT				COMMON CARRIER (OTHER THAN GENERAL FREIGHT)			
Carriers reporting	Number	368	296	257	215	330	441	397	391
Number of employees, average	1,000	379	413	376	398	84	101	79	79
Compensation of employees	ML dol	5,726	9,803	10,217	10,839	1,046	1,831	1,783	1,817
Operating revenues	ML dol	11,116	19,725	22,314	23,367	3,907	6,762	7,869	8,169
Inter-city freight	ML dol	10,511	19,480	22,080	23,158	3,717	6,339	7,864	7,838
Operating expenses	ML dol	10,571	16,870	21,037	21,779	3,756	6,426	7,752	7,870
Ordinary income before taxes	ML dol	432	701	1,198	1,502	109	230	123	293
Net income	ML dol	225	72	658	837	66	14	94	138
Total power units, intercity service	1,000	78	102	108	113	89	96	77	78
Trucks, tractors owned in operation, avg	1,000	49	73	82	87	25	33	29	29
Intercity vehicle-miles	Million	6,246	6,547	5,760	6,900	4,776	6,888	5,714	6,804
Tons of intercity revenue freight carried	Million	191	179	136	136	294	324	303	299
		CONTRACT CARRIER OTHER THAN GENERAL FREIGHT				CARRIERS OF HOUSEHOLD GOODS			
Carriers reporting	Number	50	89	64	62	32	29	40	42
Number of employees, average	1,000	10	14	22	18	4	10	11	12
Compensation of employees	ML dol	175	396	630	920	70	157	240	265
Operating revenues	ML dol	453	1,272	1,842	1,810	689	1,834	2,894	2,841
Inter-city freight	ML dol	411	1,172	1,792	1,647	786	1,878	2,388	2,484
Operating expenses	ML dol	432	1,207	1,807	1,701	649	1,781	2,828	2,783
Ordinary income before taxes	ML dol	17	48	103	88	39	74	76	66
Net income	ML dol	9	28	69	48	19	42	64	46
Total power units, intercity service	1,000	8	13	16	16	18	26	35	34
Trucks, tractors owned in operation, avg	1,000	5	7	11	10	(2)	1	1	1
Intercity vehicle-miles	Million	464	834	1,227	1,177	686	866	1,171	1,202
Tons of intercity revenue freight carried	Million	21	37	41	39	3	5	7	7

Z: Less than 500.

Source: U.S. Interstate Commerce Commission, *Transport Statistics in the United States*, Part 2, annual.

No. 1037. RAILROADS, CLASS I—SUMMARY: 1970 TO 1987

[As of Dec. 31, or calendar year data, except as noted. Compiled from annual reports of class I railroads only, except where noted. Beginning 1983, financial data are not comparable with earlier years due to change in method of accounting for track and related structures. Minus sign (-) indicates deficit. See also *Historical Statistics, Colonial Times to 1970*, series Q 294-312, Q 319, Q 330, Q 366-378, and Q 400-401]

ITEM	Unit	1970	1975	1980	1982	1983	1984	1985	1986	1987
Class I line-hauling companies ¹	Number	71	73	30	33	32	29	23	22	18
Employees ²	1,000	586	494	480	397	342	344	302	276	248
Compensation	ML. dol.	5,711	7,475	11,318	11,021	10,345	11,004	10,883	9,900	9,373
Average per hour	Dollars	4.14	6.38	10.21	12.26	13.29	13.84	14.30	14.75	15.11
Average per year	Dollars	10,086	15,324	24,608	29,087	32,125	34,084	34,991	35,884	37,716
Mileage:										
Railroad line owned ³	1,000	308	189	179	165	161	157	155	154	152
Railroad track owned ⁴	1,000	330	324	280	275	270	264	257	256	254
Equipment:										
Locomotives in service	Number	27,066	25,210	26,366	27,073	25,838	24,508	22,832	21,045	19,623
Average horsepower	1,000 lb.	1,828	2,121	2,302	2,341	2,384	2,415	2,469	2,531	2,654
Cars in service:										
Passenger-train	Number	11,177	6,471	4,347	3,736	2,610	⁵ 2,580	2,502	2,307	2,350
Freight train ⁶	1,000	1,794	1,724	1,711	1,588	1,543	1,488	1,422	1,339	1,268
Freight cars ⁷	1,000	1,454	1,359	1,108	1,039	1,007	948	867	799	749
Average capacity ⁷	Tons	67.1	72.8	78.5	81.6	82.4	83.4	83.2	84.1	85.0
Aggregate capacity ⁷	ML. tons	95.6	99.2	92.7	84.8	83.0	80.0	72.2	67.2	63.6
Box ⁷	1,000	590	475	347	276	271	245	216	180	163
Gondola and hopper ⁷	1,000	734	880	938	584	577	552	505	473	445
Other ⁷	1,000	140	204	185	187	159	151	145	148	141
Income and expenses:										
Operating revenues	ML. dol.	11,882	16,402	28,258	27,504	26,729	26,483	27,586	26,204	26,457
Operating expenses	ML. dol.	11,478	15,936	28,355	26,490	24,106	25,800	25,225	24,896	23,702
Net revenue from operations	ML. dol.	514	466	1,902	1,013	2,623	3,683	2,361	1,308	2,754
Income before fixed charges	ML. dol.	894	1,084	2,867	2,485	3,608	4,893	3,393	2,480	3,921
Provision for taxes ⁸	ML. dol.	68	59	552	340	851	1,185	680	163	1,050
Ordinary income	ML. dol.	227	144	1,129	1,152	1,778	2,654	1,786	747	1,958
Net income	ML. dol.	227	144	1,129	1,152	1,797	2,701	1,882	844	2,048
Net railway operating income	ML. dol.	486	361	1,339	742	1,838	2,537	1,748	507	1,785
Total taxes ⁹	ML. dol.	1,086	1,708	2,585	2,628	3,014	3,577	3,088	2,812	1,050
Industry return on net investment	Percent	1.7	1.2	4.2	2.1	4.3	5.7	5.8	4.8	5.7
Gross capital expenditures	ML. dol.	1,351	1,780	3,239	2,186	2,985	4,121	4,485	3,845	3,082
Equipment	ML. dol.	883	1,303	2,280	848	455	608	866	888	696
Roadway and structures	ML. dol.	358	480	953	1,318	2,305	2,938	3,488	2,908	2,301
Other	ML. dol.	-	-	6	2	224	377	62	44	105
Balance sheet:										
Total property investment	ML. dol.	36,213	40,344	43,923	47,311	52,964	53,471	54,241	54,781	55,135
Accrued depreciation and amortization	ML. dol.	10,027	10,605	10,709	12,051	19,480	20,086	19,758	20,940	21,058
Net investment	ML. dol.	26,186	29,740	33,217	35,260	43,483	45,435	46,287	45,344	45,536
Shareholder's equity	ML. dol.	17,323	14,842	19,880	21,349	26,461	27,888	27,605	25,442	25,580
Net working capital	ML. dol.	-59	68	897	1,372	1,325	1,844	1,064	743	81
Cash dividends	ML. dol.	421	434	610	1,036	1,065	1,088	1,444	1,378	1,232
AMTRAK passenger traffic:										
Passenger revenue	ML. dol.	(NA)	(NA)	(NA)	465.1	515.3	556.7	604.9	633.6	691.1
Revenue passengers carried	1,000	(NA)	(NA)	(NA)	18,725	19,489	20,065	20,845	20,185	20,727
Revenue passenger miles	ML.	(NA)	(NA)	(NA)	4,122	4,343	4,598	4,877	5,015	5,388
Averages:										
Revenue per passenger	Dol.	(NA)	(NA)	(NA)	24.80	26.39	28.23	28.98	31.42	32.85
Revenue per passenger mile	Cents	(NA)	(NA)	(NA)	11.26	11.83	12.43	12.15	12.63	12.89
Trip per passenger	Miles	(NA)	(NA)	(NA)	220.1	223.1	227.6	237.6	248.7	258.0
Freight service:										
Freight revenue	ML. dol.	10,822	15,380	26,200	25,627	25,835	26,472	26,888	26,344	25,897
Per ton-mile	Cents	1.43	2.04	2.83	3.21	3.20	3.08	3.04	2.92	2.73
Per ton originated	Dollar	7.67	11.40	16.05	20.89	20.88	20.89	21.29	20.82	20.16
Revenue-tons originated	Million	1,485	1,395	1,482	1,269	1,290	1,429	1,330	1,087	1,371
Revenue-tons carried	Million	2,618	2,437	2,434	1,979	1,832	2,119	1,985	1,838	1,926
Tons carried one mile	Billion	786	754	919	798	827	822	877	866	940
Average miles of road operated	1,000	209	205	179	174	170	165	161	155	139
Revenue ton-miles per mile of road	1,000	3,652	3,696	5,133	4,602	4,876	5,578	5,446	5,587	6,772
Revenue per ton-mile	Cents	1.428	2.041	2.852	3.212	3.119	3.090	3.049	2.921	2.728
Train miles	Million	427	402	426	345	346	399	347	347	369
Net ton-miles per train-mile ¹⁰	Number	1,820	1,836	2,175	2,345	2,432	2,543	2,574	2,562	2,649
Net ton-miles per loaded car-mile ¹¹	Number	44.9	51.7	63.5	66.3	61.2	62.4	62.7	63.2	63.9
Train-miles per train-hour	Miles	20.1	20.0	16.2	21.4	20.3	21.9	21.9	22.5	22.3
Haul per ton, U.S. as a system	Miles	515	541	616	629	641	645	664	664	665
Accident: ¹¹										
Persons killed	Number	2,255	1,580	1,417	1,118	1,073	1,247	1,039	1,091	1,165
Persons injured	Number	21,327	54,308	82,246	40,275	34,815	28,570	34,304	26,823	26,023

- Represents zero NA Not available. ¹ See text, section 21 for definition of class I. ² Average mid-month count.

³ Represents the aggregate length of roadway of all line-haul railroads. Excludes yard tracks, sidings, and parallel lines. (Includes estimate for class II and III railroads.) ⁴ Includes multiple main tracks, yard tracks, and sidings owned by both line-haul and switching and terminal. (Includes estimate for class II and III railroads.) ⁵ Excludes Long Island Railroad, which was reclassified.

⁶ Includes cars owned by all railroads, private car companies, and shippers. ⁷ Class I railroads only. ⁸ Includes State income taxes beginning 1980. ⁹ Includes payroll, income, and other taxes. ¹⁰ Revenue and non-revenue freight.

¹¹ Includes highway grade crossing casualties. 1970 not comparable with later years due to change in requirements for reporting injuries.

Source: Association of American Railroads, Washington, DC, *Yearbook of Railroad Facts, Statistics of Railroads of Class I, Annual and Analysis of Class I Railroads*, annual. Accident data, U.S. Federal Railroad Administration, *Accident Bulletin*, annual.

NO. 1036. RAILROADS, CLASS I—CARS OF REVENUE FREIGHT LOADED, 1960 TO 1967, AND BY COMMODITY GROUP, 1966 AND 1967

(In thousands. Figures are 52-week totals. N.E.C. = Not elsewhere classified)

YEAR	CARLOADS		COMMODITY GROUP	CARLOADS		COMMODITY GROUP	CARLOADS	
	Total	Piggy-back		1966	1967		1966	1967
1960	30,441	564	Coal	5,725	5,811	Crushed stone, gravel, sand	678	746
1965	29,248	1,077	Metallic ores	789	848	Nonmetallic minerals, n.e.c.	475	480
1970	27,160	1,450	Chemicals, allied products	1,273	1,370	Waste and scrap materials	419	452
1975	23,217	1,308	Grain	1,286	1,305	Lumber and wood products (exc. furniture), n.e.c.	397	419
1980	22,598	1,881	Motor vehicles and equipment	1,038	980	Forwarder/shipper assoc. traffic	188	143
1981	21,613	1,723	Pulp, paper, allied products	685	647	Coke	218	280
1982	18,488	1,820	Primary forest products	535	544	Petroleum product	241	280
1983	18,815	2,348	Food and kindred prod., n.e.c.	583	587	Farm products, exc. grain	183	203
1984	20,257	2,703	Grain mill products	548	585	Less than carload	8	5
1985	19,574	2,883	Metals and products	415	472	All other carloads	3,628	3,998
1986	19,783	3,278	Stone, clay, and glass products	510	539			
1987	20,812	3,370						

Source: Association of American Railroads, Washington, DC, *Cars of Revenue Freight Loaded*, annual.

NO. 1036. RAILROADS, CLASS I LINE-HAUL—REVENUE FREIGHT ORIGINATED, BY COMMODITY GROUP, 1970 TO 1987

(See *Historical Statistics, Colonial Times to 1970*, series Q 382, for total carloads originated)

COMMODITY GROUP	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987, prel.
Carloads¹ (1,000)	37,015	22,830	23,489	22,223	21,343	18,886	18,613	20,946	19,801	19,587	20,802
Coal	5,296	4,844	5,329	5,789	5,836	5,718	5,278	5,081	5,684	5,433	5,430
Farm products	2,374	1,873	1,721	1,888	1,837	1,588	1,642	1,757	1,494	1,802	1,807
Food and kindred products	2,706	2,154	1,948	1,767	1,557	1,381	1,316	1,234	1,224	1,278	1,326
Metallic ores	1,802	1,338	1,480	1,258	1,364	781	812	1,001	511	508	484
Chemicals, allied products	1,576	1,313	1,471	1,322	1,322	1,120	1,218	1,212	1,298	1,287	1,410
Nonmetallic minerals ²	2,204	1,886	1,582	1,474	1,272	958	1,079	1,204	1,188	1,113	1,188
Lumber and wood products ³	2,048	1,815	1,586	1,384	1,254	1,002	1,075	1,051	948	985	986
Transportation equipment	1,059	1,135	1,278	1,004	939	801	854	1,141	1,202	1,148	1,085
Pulp, paper, allied products	1,187	1,015	977	854	888	785	748	741	703	672	581
Primary metal products	1,486	786	913	768	780	489	440	487	449	388	428
Stone, clay, and glass products	1,231	908	980	778	880	516	543	578	551	530	558
Waste and scrap materials	805	744	713	632	610	409	417	480	429	402	440
Petroleum and coal products	689	787	718	585	807	467	485	529	491	477	520
Machinery, exc. electrical	200	156	90	77	86	43	38	40	35	31	33
Fabricated metal products ⁴	388	244	87	72	55	36	33	37	31	28	24
Tons¹ (mil.)	1,484.8	1,386.1	1,502.1	1,482.4	1,453.0	1,388.8	1,382.8	1,428.4	1,318.8	1,305.8	1,372.2
Coal	404.6	407.6	473.8	522.1	527.6	523.8	483.8	586.6	536.0	517.5	523.3
Farm products	134.2	134.4	138.5	158.1	138.9	133.5	142.2	151.1	127.0	136.4	162.8
Food and kindred products	110.1	100.2	99.2	91.9	82.8	77.0	75.2	72.1	73.5	78.3	81.4
Metallic ores	126.7	106.4	119.8	105.4	113.8	62.6	66.4	85.5	48.9	48.4	44.9
Chemicals, allied products	91.6	91.4	112.4	108.3	105.9	91.2	89.3	107.4	106.4	105.8	115.9
Nonmetallic minerals ²	169.3	150.6	132.3	124.8	110.0	84.7	86.5	108.2	107.7	101.2	109.4
Lumber and wood products ³	101.9	88.6	93.1	85.5	80.3	65.9	71.7	89.8	83.2	84.8	88.8
Transportation equipment	24.2	27.3	30.6	23.9	22.2	18.8	22.2	28.1	27.2	25.9	23.9
Pulp, paper, allied products	42.5	40.6	42.4	42.1	41.6	38.4	38.8	37.7	36.2	35.6	35.9
Primary metal products	62.2	51.4	63.8	52.7	53.3	32.0	32.0	36.1	33.6	29.7	33.4
Stone, clay, and glass products	71.1	58.8	61.6	53.7	48.2	38.2	41.8	44.7	43.5	42.1	44.3
Waste and scrap materials	38.8	38.2	38.6	34.3	34.1	22.7	24.5	28.8	25.7	25.0	28.2
Petroleum and coal products	38.3	45.8	43.8	38.1	39.0	21.6	33.8	35.3	32.9	32.8	34.9
Machinery, exc. electrical	4.6	3.6	2.3	2.0	1.7	1.2	.8	.9	.9	.8	.8
Fabricated metal products ⁴	11.3	8.2	2.3	2.0	1.7	1.0	.8	.9	.8	.7	.6
Gross revenue¹ (mil. dol.)	11,388	16,888	24,283	28,838	29,886	28,884	28,710	28,886	28,225	27,186	27,887
Coal	1,381	2,148	3,872	4,956	5,977	6,307	5,888	8,885	6,558	6,088	6,087
Farm products	1,088	1,472	2,101	2,801	2,821	2,305	2,374	2,483	1,977	2,007	2,248
Food and kindred products	1,383	1,822	2,421	2,837	2,928	2,604	2,348	2,308	2,256	2,182	2,171
Metallic ores	333	488	821	587	723	403	480	587	403	375	348
Chemicals, allied products	1,137	1,681	2,739	2,948	3,288	2,942	3,078	3,380	3,342	3,342	3,477
Nonmetallic minerals ²	408	585	829	948	1,036	652	834	987	948	839	854
Lumber and wood products ³	832	1,088	1,548	1,943	1,558	1,303	1,527	1,611	1,525	1,583	1,880
Transportation equipment	734	1,263	2,167	1,917	2,120	1,988	2,292	2,689	3,110	2,887	2,888
Pulp, paper, allied products	730	877	1,446	1,852	1,846	1,717	1,571	1,782	1,841	1,572	1,542
Primary metal products	813	848	1,291	1,332	1,559	977	918	955	872	787	883
Stone, clay, and glass products	512	651	1,018	1,025	1,114	688	908	1,024	980	907	914
Waste and scrap materials	232	359	479	513	573	418	423	486	446	425	474
Petroleum and coal products	305	573	636	685	1,019	887	844	913	881	800	808
Machinery, exc. electrical	148	200	174	178	178	115	75	81	72	58	57
Fabricated metal products ⁴	210	221	117	110	105	71	62	57	48	40	37

¹ Includes commodity groups and small packaged freight shipments, not shown separately.

² Except fuels.

³ Except furniture.

⁴ Except ordnance, machinery, and transport.

Source: 1970-1979, U.S. Interstate Commerce Commission, *Freight Commodity Statistics—Class I Railroads in the United States*, annual; thereafter, Association of American Railroads, Washington, DC, *Freight Commodity Statistics*, annual.

No. 1040. RAILROAD FREIGHT—PRODUCER PRICE INDEXES: 1970 TO 1986

[Dec. 1984 = 100. Reflects prices for shipping a fixed set of commodities under specified and unchanging conditions]

COMMODITY	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total railroad freight	28.1	45.3	53.2	56.9	66.0	75.9	87.4	93.7	96.0	98.3	99.9	100.7
Annual percent change ¹	8.8	19.2	6.8	7.0	14.2	13.6	15.2	7.2	1.4	4.5	.8	.5
Coal	26.9	44.0	52.4	56.5	65.9	75.8	86.9	95.4	96.5	98.9	100.0	100.7
Farm products	29.7	45.2	52.4	56.1	64.6	75.8	86.3	92.4	94.0	96.7	99.0	99.8
Food and kindred products	28.9	44.8	51.9	55.8	63.5	75.2	87.4	93.7	94.8	97.0	100.0	99.9
Metallic ores	26.4	43.2	51.2	55.1	63.8	74.5	86.1	93.9	95.9	99.4	100.2	100.5
Chemicals and allied products	30.0	48.5	54.3	57.5	64.9	75.6	87.1	93.5	94.3	96.7	100.1	101.2
Nonmetallic minerals	25.4	40.5	48.3	52.0	60.6	72.2	86.4	93.3	94.8	98.9	100.1	101.6
Lumber and wood products	28.3	42.8	50.1	53.8	61.0	72.7	85.2	91.4	93.3	99.7	100.0	100.9
Transportation equipment	31.7	50.3	59.3	63.1	71.5	81.7	91.6	94.5	95.8	98.8	100.0	100.8
Pulp, paper, and allied products	31.5	47.1	53.9	57.0	64.7	75.7	88.5	94.7	95.8	99.9	100.0	101.0
Primary metal products	29.9	47.8	56.0	59.5	67.5	77.8	88.5	94.3	95.4	98.7	99.7	100.2
Stone, clay, concrete, glass products	26.9	43.0	50.9	55.0	62.8	74.2	86.5	93.4	94.4	98.8	100.0	102.2

¹ Change from prior year.Source: U.S. Bureau of Labor Statistics, *Producer Prices and Price Indexes*, monthly and annual.

No. 1041. PETROLEUM PIPELINE COMPANIES—CHARACTERISTICS: 1975 TO 1986

[1975, covers pipeline companies operating in interstate commerce and subject to jurisdiction of Interstate Commerce Commission; thereafter, Federal Energy Regulatory Commission]

ITEM	Unit	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Miles of pipeline, total	1,000	170.7	164.5	181.6	188.8	172.7	172.8	172.5	167.8	173.8	171.4	170.0
Gathering lines	1,000	40.4	34.7	36.6	38.9	36.3	36.6	35.6	31.0	36.1	35.0	34.2
Trunk lines	1,000	130.3	119.8	125.1	132.9	136.4	134.2	136.9	136.9	137.8	136.4	135.8
Total deliveries	ML bbl	9,391	10,019	10,788	11,140	10,800	10,223	10,181	10,310	10,224	10,745	11,002
Crude oil	ML bbl	5,729	6,098	6,560	6,728	6,405	6,070	5,985	6,020	5,971	6,239	6,286
Products	ML bbl	3,662	3,920	4,218	4,412	4,195	4,153	4,213	4,290	4,552	4,506	4,716
Total trunk line traffic	BL bbl-miles	2,882	3,085	3,723	3,577	3,405	3,554	3,442	3,328	3,408	3,342	3,487
Crude oil	BL bbl-miles	1,581	2,287	2,031	1,948	1,848	1,813	1,838	1,875	1,858	1,842	1,889
Products	BL bbl-miles	1,341	1,827	1,891	1,831	1,458	1,740	1,484	1,452	1,551	1,500	1,573
Center property value	ML dol	10,740	16,738	17,854	18,980	19,752	21,250	21,942	22,255	19,397	21,805	22,384
Operating revenue	ML dol	1,899	2,818	4,890	5,781	6,398	6,878	7,140	7,472	7,824	7,481	7,287
Net income	ML dol	458	478	1,885	1,848	1,812	2,081	2,182	2,363	2,545	2,431	2,051

Source: PennWell Publishing Co., Tulsa, Okla., *Oil and Gas Journal*, November 23, 1987 and earlier issues. (Copyright.)

No. 1042. MAJOR INTERSTATE NATURAL GAS PIPELINE COMPANIES—SUMMARY: 1980 TO 1986

[Major natural gas pipeline companies are those whose combined sales for resale and natural gas transported or stored for a fee exceed 50 billion cubic feet. They account for more than 85 percent of all interstate natural gas.]

ITEM	Unit	1980	1981	1982	1983	1984	1985	1986
Sales	Tril cu ft	NA	15.2	14.4	12.9	13.2	11.3	7.8
Residential	Tril cu ft	NA	.1	.3	.3	.3	.3	.2
Commercial, industrial	Tril cu ft	NA	1.1	1.2	1.0	1.2	1.1	.8
For resale	Tril cu ft	NA	14.1	13.0	11.6	11.6	9.9	7.1
Operating revenues	ML dol	NA	48,485	56,209	56,782	56,326	49,105	33,889
From sales ¹	ML dol	NA	44,277	53,801	53,710	52,529	44,898	29,508
Residential	ML dol	NA	204	1,273	1,725	1,827	1,878	1,122
Commercial, industrial	ML dol	NA	3,336	4,453	4,233	5,180	4,465	1,908
For resale	ML dol	NA	40,677	47,776	47,681	45,288	38,545	26,682
From transportation of gas to others	ML dol	NA	1,011	1,289	1,787	1,823	2,272	3,027
Other	ML dol	NA	1,177	1,344	1,286	1,874	1,838	1,325
Operation, maintenance expenses	ML dol	33,303	41,242	49,989	49,381	46,411	42,528	27,480
Production	ML dol	29,844	36,708	44,449	43,516	42,407	36,739	22,206
Storage	ML dol	253	313	405	441	415	418	420
Transmission	ML dol	2,431	3,122	3,829	3,729	3,780	3,408	2,587
Distribution	ML dol	28	31	103	131	131	132	80
Administrative, general, and other	ML dol	947	1,070	1,402	1,576	1,897	1,830	2,155
Pipeline mileage:								
Transmission lines	1,000	NA	NA	178.0	178.7	183.4	189.7	184.8
Field lines	1,000	NA	NA	84.6	83.7	85.2	88.6	84.5
Storage	1,000	NA	NA	8.9	8.5	4.8	4.8	4.6

NA Not available. ¹ Includes other ultimate customers not shown separately.Source: U.S. Energy Information Administration, *Statistics of Interstate Natural Gas Pipeline Companies*, annual.



Section 22

Transportation— Air and Water

This section presents statistics on civil air transportation, both passenger and cargo, and on water transportation, including inland waterways, oceanborne commerce, the merchant marine, cargo and vessel tonnages, and shipbuilding. Comparative data on various types of transportation carriers are presented in section 21.

Principal sources of these data are the annual *FAA Statistical Handbook of Aviation* issued by the Federal Aviation Administration (FAA); the annual *Waterborne Commerce of the United States* issued by the Corps of Engineers of the Department of the Army; the monthly and annual issues of *U.S. Waterborne Exports and General Imports*, and *U.S. Airborne Exports and General Imports*, the annual *Vessel Entrances and Clearances*, and the monthly *Highlights of U.S. Export and Import Trade*, issued by the Bureau of the Census. In addition, the Bureau of the Census in its commodity transportation survey (part of the census of transportation, taken every five years, for years ending in "2" and "7") provides data on the type, weight, and value of commodities shipped by manufacturing establishments in the United States, by means of transportation, origin, and destination.

Air transportation data are also presented annually by the Air Transport Association of America, Washington, DC in *Air Transport Facts and Figures*. Additional sources of data on water transportation include *A Statistical Analysis of the World's Merchant Fleets*, issued periodically by the U.S. Maritime Administration; *The Bulletin*, issued monthly by the American Bureau of Shipping, New York; and the *Annual Summary of Merchant Ships Completed in the World* and the *Register Book*, published by Lloyd's Register of Shipping, London, England.

Civil aviation.—Federal promotion and regulation of civil aviation have been carried out by the FAA and the Civil Aeronautics Board (CAB). The CAB promoted and regulated the civil air transportation industry within the United States and between the United States and foreign countries. The Board granted licenses to provide air transportation service, approved or disapproved proposed rates and fares, and approved or disapproved proposed agreements and corporate relationships involving air carriers. In December 1984, the CAB ceased to exist as an agency. Some of its functions were transferred to the Department of Transportation (DOT), as outlined below. The responsibility for investigation of aviation accidents resides with the National Transportation Safety Board.

The Office of the Secretary, DOT aviation activities include: negotiation of international air transportation rights, selection of U.S. air carriers to serve capacity controlled international markets, oversight of international rates and fares, maintenance of essential air service to small communities, and consumer affairs. DOT's Research and Special Programs Administration (RSPA) handles aviation information functions formerly assigned to CAB.

The principal activities of the FAA include: The promotion of air safety; controlling the use of navigable airspace; prescribing regulations dealing with the competency of airmen, airworthiness of aircraft, and air traffic control; operation of air route traffic control centers, airport traffic control towers, and flight service stations; the design, construction, maintenance, and inspection of navigation, traffic control, and communications equipment; and the development of general aviation.

The CAB published monthly and quarterly financial and traffic statistical data for the certificated route air carriers. RSPA continues these publications, including both certificated and non-certificated (commuter) air carriers. The FAA publishes annually data on the use of airway facilities; data related to the location of airmen, aircraft, and airports; the volume of activity in the field of non-air carrier (general aviation) flying; and aircraft production and registration.

General aviation comprises all civil flying (including such commercial operations as small demand air taxis, agriculture application, powerline patrol, etc.) but excludes certificated route air carriers, supplemental operators, large-aircraft commercial operators and commuter airlines.

Air carriers and service.—The CAB previously issued "certificates of public convenience and necessity" under Section 401 of the Federal Aviation Act of 1958 for scheduled and non-scheduled (charter) passenger services and cargo services. It also issued certificates under Section 418 of the Act to cargo air carriers for domestic all-cargo service only. The DOT Office of the Secretary now

issues the certificates under a "fit, willing and able" test of air carrier operations. Carriers operating only 60 seat or less aircraft are given exemption authority to carry passengers, cargo and mail in scheduled and non-scheduled service under Part 298 of the DOT (formerly CAB) regulations. Exemption authority carriers who offer scheduled passenger service to an essential air service point must meet the "fit, willing and able" test.

Vessel shipments, entrances, and clearances.—Shipments by dry cargo vessels comprise shipments on all types of watercraft, except tanker vessels; shipments by tanker vessels comprise all types of cargo, liquid and dry, carried by tanker vessels.

A vessel is reported as entered only at the first port which it enters in the United States, whether or not cargo is unloaded at that port. A vessel is reported as cleared only at the last port at which clearance is made to a foreign port, whether or not it takes on cargo. Army and Navy vessels entering or clearing without commercial cargo are not included in the figures.

Units of measurement.—Cargo (or freight) tonnage and shipping weight both represent the gross weight of the cargo including the weight of containers, wrappings, crates, etc. However, shipping weight excludes lift and cargo vans and similar substantial outer containers. Other tonnage figures generally refer to stowing capacity of vessels, 100 cubic feet being called 1 ton. Gross tonnage comprises the space within the frames and the ceiling of the hull, together with those closed-in spaces above deck available for cargo, stores, passengers, or crew, with certain minor exceptions. Net or registered tonnage is the gross tonnage less the spaces occupied by the propelling machinery, fuel, crew quarters, master's cabin, and navigation spaces. Substantially, it represents space available for cargo and passengers. The net tonnage capacity of a ship may bear little relation to weight of cargo. Deadweight tonnage is the weight in long tons required to depress a vessel from light water line (that is, with only the machinery and equipment on board) to load line. It is, therefore, the weight of the cargo, fuel, etc., which a vessel is designed to carry with safety.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

NO. 1043. CERTIFICATED ROUTE PASSENGER/CARGO AIR CARRIERS—NUMBER, OPERATING REVENUES, AND EXPENSES: 1970 TO 1987

[In millions of dollars, except number of carriers. 1970-1979, includes scheduled and charter operations. Beginning 1980, includes all cargo carriers. Minus sign (—) indicates loss. See also headnote, table 1044, and *Historical Statistics, Colonial Times to 1970*, series Q 591-603]

ITEM	1970	1979	1979	1980	1982 ¹	1985 ¹	1984 ¹	1986 ¹	1980 ¹	1987, ¹ prel.
Number of air carriers	39	33	49	83	98	98	98	106	93	93
DOMESTIC										
Operating revenue	7,131	11,911	21,337	26,404	28,728	31,014	35,394	37,629	41,629	48,239
Passenger	6,356	10,290	18,980	23,317	25,440	27,346	31,437	33,343	33,814	37,309
Mail (including subsidy)	205	247	413	530	572	537	560	740	683	706
Express and freight	472	702	1,184	1,582	1,505	1,552	1,690	1,581	4,363	4,904
Other	94	672	610	974	1,211	1,549	1,707	1,965	2,140	2,421
Operating expenses	7,128	11,781	21,213	26,409	28,478	31,198	33,812	33,811	35,394	43,886
Flying operations	2,098	3,869	7,867	11,029	11,529	11,370	12,181	12,684	11,368	12,363
Maintenance	1,127	1,895	2,421	2,756	2,709	2,878	3,178	3,604	4,475	4,877
General services and administration	3,157	5,050	9,120	10,545	12,825	14,274	15,625	17,324	20,690	22,626
Depreciation and amortization	745	883	1,352	1,560	1,876	2,107	2,223	2,318	2,652	2,842
Transport related	(NA)	363	453	517	537	554	827	691	746	876
Net operating income	3	128	123	—6	—789	—171	1,582	1,818	1,629	1,734
INTERNATIONAL										
Operating revenue	1,913	3,083	5,191	6,543	6,436	7,163	7,975	8,302	8,831	10,790
Passenger	1,553	2,435	4,226	4,954	4,969	5,361	6,075	6,451	6,551	8,267
Mail (including subsidy)	110	97	107	175	177	152	158	190	154	180
Express and freight	209	381	534	1,011	969	913	1,071	1,131	1,480	1,779
Other	41	150	325	372	309	737	871	580	437	545
Operating expenses	1,894	3,059	5,198	6,768	6,452	6,993	7,485	7,894	8,435	10,121
Flying operations	515	1,050	1,795	2,775	2,596	2,490	2,629	2,736	2,402	2,795
Maintenance	241	383	521	616	512	548	677	788	901	1,081
General services and administration	950	1,345	2,289	2,811	2,795	3,056	3,436	3,731	4,444	5,460
Depreciation and amortization	166	212	327	385	396	389	446	482	518	529
Transport related	(NA)	88	173	178	152	211	297	265	194	256
Net operating income	19	4	96	—223	—17	478	490	319	198	980

NA Not available. ¹ Excludes carriers that report system total only (operating revenues of \$902 million in 1982, \$415 million in 1983, \$692 million in 1984, \$2,649 million in 1985, \$426 million in 1986, and \$341 million (preliminary) in 1987; operating expenditures of \$874 million, \$352 million, \$650 million, \$2,613 million, \$443 million, and \$335 million (preliminary) in 1982, 1983, 1984, 1985, 1986, and 1987, respectively.

Source: U.S. Federal Aviation Administration and Research and Special Programs Administration, *Air Carrier Financial Statistics*, quarterly.

Certificated Route Air Carriers

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No. 1044. CERTIFICATED ROUTE AIR CARRIERS—Summary: 1972 to 1981

(As of Dec. 31 or for calendar years. See text section 12. Comparison between domestic and international operations. Includes all cargo. See also "Historical Statistics, Calendar Years 1972 to 1976" series 157-164 and 165-168.)

Item	Unit	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Domestic operations ¹	Number	35	35	35	35	35	35	35	35	35	35
International operations ¹	Number	6	2	2	2	2	2	2	2	2	2
Employment, total ²	1,000	257	256	257	258	259	260	261	262	263	264
Pilot, captain, and other flight personnel	1,000	35	35	35	35	35	35	35	35	35	35
Flight attendants	1,000	34	35	35	35	35	35	35	35	35	35
Mechanics	1,000	48	48	48	48	48	48	48	48	48	48
Aircraft and traffic servicing personnel	1,000	34	35	35	35	35	35	35	35	35	35
Other	1,000	36	37	39	40	41	42	43	44	45	46
Fixed-wing aircraft in operation ³	Number	2,421	2,389	2,386	2,378	2,369	2,352	2,335	2,318	2,301	2,284
Turbojet	Number	2,041	2,032	2,036	2,032	2,022	2,012	2,002	1,992	1,982	1,972
Two-engine	Number	519	509	502	502	502	502	502	502	502	502
Three-engine	Number	821	821	1,311	1,308	1,297	1,287	1,277	1,267	1,257	1,247
Four-engine	Number	891	891	373	369	369	369	369	369	369	369
Turboprop	Number	376	189	149	138	126	115	104	93	82	71
Piston	Number	84	46	6	8	16	25	34	43	52	61
Average available seats ^{4,5}	Number										
Domestic	Number	110.4	132.4	143.1	154.1	163.7	172.2	180.8	189.4	198.0	206.6
International	Number	154.9	224.8	274.5	283.6	298.9	308.6	318.3	328.0	337.7	347.4
Average/hr. speed ⁶	Mi. per hr.										
Domestic	Mi. per hr.	403	403	406	415	414	420	426	432	438	444
International	Mi. per hr.	482	482	484	481	484	487	490	493	496	499
Jet fuel consumed ⁶	Mil. gal.										
Domestic	Mil. gal.	10,083	9,507	11,311	10,526	11,470	12,003	12,603	13,082	13,490	13,890
International	Mil. gal.	7,842	7,558	8,218	8,598	8,417	10,115	11,137	11,137	11,287	11,287
Revenue-miles flown ⁶	Millions										
Domestic	Millions	2,426	2,241	2,818	2,808	3,133	3,320	3,726	3,894	4,094	4,294
International	Millions	2,027	1,809	2,471	2,403	2,788	2,880	3,329	3,595	3,859	4,123
Revenue passengers enplaned ⁶	Millions										
Domestic	Millions	189	205	297	319	345	382	419	447	475	503
International	Millions	153	185	273	297	321	367	394	419	447	475
Revenue passenger-miles flown ⁶	Billions										
Domestic	Billions	131.7	162.8	255.2	281.8	305.1	338.4	388.8	404.3	434.3	459.3
International	Billions	104.1	131.7	200.8	226.9	243.7	270.6	309.1	324.8	354.8	384.8
Available seat-miles	Billions										
Domestic	Billions	285.2	303.0	432.5	464.5	515.3	547.8	607.4	646.4	685.4	724.4
International	Billions	213.2	241.3	348.0	379.2	422.8	445.8	498.0	528.0	558.0	588.0
Passenger load factor	Percent										
Domestic	Percent	49.7	53.7	58.0	60.7	58.2	61.4	63.3	65.4	67.4	69.4
International	Percent	48.9	54.8	58.0	58.8	57.7	60.7	60.7	60.7	61.8	61.8
Revenue passenger-miles per gallon of fuel	Number										
Domestic	Number	13.1	17.1	22.6	26.9	26.8	26.7	26.8	27.1	27.8	28.0
International	Number	13.3	17.4	21.8	26.5	26.9	26.8	27.1	27.1	27.8	28.0
Average passenger-mile rate ^{6,7}	Dollars										
Domestic	Dollars	.080	.077	.113	.121	.126	.123	.119	.118	.118	.118
International	Dollars	.050	.072	.075	.086	.088	.088	.109	.109	.109	.109
Express and freight revenue, ton-miles flown ⁸	Millions										
Domestic	Millions	3,515	4,796	5,742	6,092	6,888	6,090	7,344	8,990	9,990	10,990
International	Millions	2,218	2,747	3,277	3,386	3,888	3,133	3,880	4,330	4,330	4,330
Mail, ton-miles flown ⁸	Millions										
Domestic	Millions	1,264	1,109	1,342	1,480	1,818	1,888	1,881	1,798	1,798	1,798
International	Millions	715	683	949	1,086	1,161	1,214	1,247	1,319	1,319	1,319
Accidents ⁹ (scheduled passenger service):											
Total ⁹	Number	39	29	16	22	12	17	20	21	21	21
Fatal	Number	2	2	-	4	1	4	1	4	4	4
Fatalities	Number	3	122	-	16	4	187	-	-	-	-

- Represents zero.

¹ The Airline Deregulation Act of 1978 lifted some restrictions on entering new markets. As a result there is no longer a clear distinction between domestic and international operators. Includes all cargo.

² Scheduled airlines only. Source: Air Transport Association of America, Washington, DC, *Air Transport Facts and Figures*, annual.

³ Excludes those used for crew training and general utility purposes, or held for disposal. Beginning 1974, includes aircraft operated by the scheduled all-cargo certificated route air carriers. Beginning in 1988 also includes large aircraft (passenger seating capacity of more than 30 or a payload of more than 7,500 pounds) operated by commuters and air taxis.

⁴ Seats per aircraft mile. Passenger seat-miles divided by revenue-miles flown in passenger service.

⁵ Scheduled services of all certificated route air carriers; includes all cargo.

⁶ Includes all cargo. Beginning 1950 includes very small amount of gasoline.

⁷ Passenger revenues divided by revenue passenger-miles flown.

⁸ Beginning 1975, includes all scheduled services of U.S. air carriers operating under 14 CFR 121.

⁹ Includes mid-air collisions nonfatal to air carrier occupants (excluded in computation of total accidents).

Source: Except as noted, U.S. Dept. of Transportation, Federal Aviation Administration and Research and Special Programs Administration, *Air Carrier Traffic Statistics*, monthly and *Air Carrier Financial Statistics*, quarterly. Includes data from U.S. National Transportation Safety Board.

No. 1045. LARGE AIR TRAFFIC HUBS—SUMMARY: 1967

[In thousands, except number of airports and percent change. For calendar year. Air traffic hubs are cities and standard metropolitan statistical areas requiring aviation services. A large hub is one which enplanes at least one percent of the total enplaned revenue passengers in all services and all operations of U.S. certificated route air carriers]

AREA OR LARGE HUB, 1967	Air-ports ¹	AIRCRAFT DEPARTURES			REVENUE PASSENGERS ENPLANED		ENPLANED REVENUE TONS		
		Total ²	Scheduled		Total	Percent change 1966-1967	Total ³	Freight and express	U.S. mail
			Number	Completed					
All areas	708	8,840.4	8,757.3	8,568.3	448,913.7	51.3	6,996.0	5,073.3	1,906.6
Total, 28 large hubs	45	4,120.2	4,182.4	4,078.8	316,041.8	56.2	4,187.4	3,027.7	1,159.2
Atlanta, GA	1	281.9	288.5	280.0	22,649.4	13.3	254.4	136.3	118.0
Boston, MA	1	116.8	117.8	114.3	10,255.3	49.8	136.9	108.0	32.8
Charlotte, NC	1	93.5	94.7	92.8	8,021.1	306.6	49.1	32.7	16.4
Chicago, IL	3	375.8	389.7	374.3	28,671.3	47.7	436.9	302.3	136.5
Dallas-Ft. Worth, TX	2	266.6	268.9	265.5	22,340.2	74.9	178.8	107.0	71.9
Denver, CO	1	201.2	204.9	199.1	15,593.8	82.2	120.4	66.4	52.0
Detroit/Ann Arbor, MI	2	137.0	140.0	136.7	9,254.5	83.2	92.0	54.8	37.2
Honolulu, HI	1	92.2	99.6	86.3	7,773.3	37.5	164.0	145.2	18.8
Houston, TX	2	180.2	182.1	189.2	10,558.8	59.5	73.8	50.9	22.9
Kansas City, MO	2	85.7	86.5	85.0	4,481.4	70.0	39.5	16.2	21.3
Las Vegas, NV	1	92.7	92.5	89.8	6,836.1	47.7	13.0	7.8	5.2
Los Angeles/Burbank/Long Beach, CA	4	289.2	273.9	266.8	23,219.2	42.1	382.4	315.4	67.0
Memphis, TN	1	107.3	106.7	107.0	5,023.0	193.8	534.3	513.3	21.0
Miami/Ft. Lauderdale, FL	2	149.4	151.4	147.5	13,271.5	20.2	190.4	159.0	31.4
Minneapolis/St. Paul, MN	1	110.1	112.3	109.8	6,310.2	89.5	100.5	53.7	46.7
Newark, NJ	1	136.5	138.4	133.6	11,288.9	188.4	159.8	129.4	30.4
New York, NY	2	201.7	204.1	198.2	21,486.3	22.5	321.4	214.9	106.4
Orlando, FL	1	86.2	86.2	84.8	7,074.7	126.4	28.7	20.6	8.2
Philadelphia, PA/Camden, NJ	1	95.2	97.1	94.6	6,802.7	82.7	97.3	49.8	47.5
Phoenix, AZ	1	128.5	129.3	127.8	8,784.9	169.9	43.2	28.8	13.3
Pittsburgh, PA/Whiting, WV	2	119.9	121.1	119.2	8,156.0	51.6	41.0	15.0	26.9
St. Louis, MO	1	138.3	140.8	137.2	9,727.2	82.9	91.9	42.6	49.3
Salt Lake City, UT	1	74.6	75.4	74.4	4,728.6	136.8	44.2	27.7	16.5
San Diego, CA	1	63.2	64.1	62.5	4,901.4	93.2	23.4	15.3	8.1
San Francisco/Oakland, CA	3	192.3	195.7	190.2	15,096.6	46.1	265.3	232.6	53.7
Seattle/Tacoma, WA	2	108.9	110.2	107.7	6,826.5	56.8	140.8	106.2	34.4
Tampa/St. Petersburg/Clearwater/Lakeland, FL	2	89.0	89.6	88.5	4,799.0	39.3	31.6	16.3	12.3
Washington, DC	2	188.5	180.7	183.7	12,030.0	55.1	107.3	■	53.8

¹ Airports serving area or hub. Airports certificated under Federal Aviation Regulation (FAR Part 136) served by scheduled and unscheduled air carriers. ² Includes completed scheduled and unscheduled. ³ Includes foreign mail, not shown separately.

⁴ Revised since originally published.

Source: U.S. Federal Aviation Administration, *Airport Activity Statistics*, annual.

No. 1046. AIRLINE COST INDEXES: 1970 TO 1967

[Covers U.S. major and national service carriers. Major carriers have operating revenues of \$1 billion or more; nationals have operating revenues from \$75 million to \$1 billion]

ITEM	INDEX (1972 = 100)									PERCENT DISTRIBUTION OF CASH OPERATING EXPENSES ¹				
	1970	1975	1980	1982	1983	1984	1985	1986	1987	1970	1975	1980	1988	1987
Composite	87.8	142.6	262.5	304.3	308.4	312.3	312.4	293.1	298.2	100.0	100.0	100.0	100.0	100.0
Labor	82.9	129.6	211.4	249.6	268.8	288.7	277.8	272.1	278.3	45.8	40.7	35.1	36.0	36.0
Interest ²	99.0	125.0	167.2	188.6	185.5	205.5	198.8	191.2	185.3	3.6	2.7	2.9	3.6	3.4
Fuel	94.3	250.8	770.3	641.8	782.0	729.2	669.6	473.8	477.2	12.8	18.8	29.7	16.3	18.0
Passenger food	97.4	120.8	153.6	162.9	168.9	174.0	167.0	167.7	173.1	3.9	3.4	2.9	3.4	3.5
Advertising and promotion	99.5	102.7	141.5	203.6	207.1	202.9	203.3	210.4	184.2	2.7	1.9	1.7	2.8	2.2
Landing fees	82.2	136.1	192.9	214.4	215.2	217.9	217.6	242.6	262.2	2.2	2.4	1.7	2.0	2.0
Passenger traffic commissions	80.2	154.0	322.8	417.4	445.3	487.4	491.4	499.9	540.4	2.6	3.4	4.6	6.0	6.6
All other	95.5	127.8	184.4	215.2	223.5	231.9	239.2	245.4	262.7	26.4	26.6	21.3	26.1	29.3
Average Annual Percent Change ³														
Labor	(NA)	9.4	10.2	8.7	7.6	.4	3.0	-2.1	1.5	(X)	(X)	(X)	(X)	(X)
Interest ²	(NA)	4.8	6.0	6.2	3.7	5.1	-3.3	-3.8	-3.1	(X)	(X)	(X)	(X)	(X)
Fuel	(NA)	21.6	25.2	4.5	9.6	-4.3	5.4	-31.3	.9	(X)	(X)	(X)	(X)	(X)
Passenger food	(NA)	5.0	4.9	3.0	3.7	3.0	4.0	4	3.2	(X)	(X)	(X)	(X)	(X)
Advertising and promotion	(NA)	.6	6.6	20.0	1.7	-2.0	.2	3.5	-12.5	(X)	(X)	(X)	(X)	(X)
Landing fees	(NA)	10.6	7.2	5.4	.4	1.3	-1	11.5	6.1	(X)	(X)	(X)	(X)	(X)
Passenger traffic commissions	(NA)	13.9	16.0	13.7	6.7	9.5	.9	1.7	8.1	(X)	(X)	(X)	(X)	(X)
All other	(NA)	6.0	7.6	6.0	3.9	3.8	3.2	2.6	3.0	(X)	(X)	(X)	(X)	(X)

NA Not available. X Not applicable. ¹ Total operating expenses plus interest on long term debt, less depreciation and amortization. ² Interest on debt. ³ Average change from prior year shown, see Guide to Tabular Presentation.

Source: Air Transport Association of America, Washington, DC, *Air Transport*, 1988, current and unpublished data.

No. 1967. CONSUMER COMPLAINTS AGAINST U.S. AIRLINES: 1966 TO 1966

(Cover only data except as indicated. See source for data on individual airlines)

COMPLAINT CATEGORY	COMPLAINTS				PERCENT DISTRIBUTION				RANK			
	1966, Total	1967		1966, Jan - June	1966, Total	1967		1966, Jan - June	1966, Total	1967		1966, Jan - June
		Total	Jan - June			Total	Jan - June			Total	Jan - June	
Total	10,000	40,000	14,000	12,100	100.0	100.0	100.0	100.0	(x)	(x)	(x)	(x)
Flight problems ¹	2,380	10,010	5,380	5,380	23.8	43.3	38.6	43.1	1	1	1	1
Baggage	2,148	7,430	2,880	2,445	16.8	18.1	20.0	18.8	2	2	2	2
Customer service ²	702	3,880	1,120	1,087	6.4	9.4	8.0	6.3	5	3	4	3
Refunds	1,827	3,313	1,270	1,085	15.0	8.0	8.0	8.0	3	4	3	4
Overseas ³	848	2,122	854	889	7.8	5.1	8.0	8.1	4	6	5	5
Reservations/scheduling/ boarding ⁴	887	2,488	876	772	6.3	5.8	6.2	5.8	6	5	5	6
Smoking	311	888	325	325	2.8	2.1	2.3	2.4	8	8	8	7
Fares ⁵	488	837	415	236	4.3	2.2	2.8	1.8	7	7	7	8
Advertising	128	344	184	107	1.1	0.8	1.1	0.8	9	9	9	9
Credit	40	101	42	30	.3	.2	.2	.2	10	10	10	10
Tours	28	80	38	28	.3	.2	.2	.2	11	11	11	11
Other	424	1,387	536	536	3.8	3.3	3.8	4.0	(x)	(x)	(x)	(x)

X Not applicable. ¹ Cancellations, delays, etc. from schedule. ² Unhelpful employees, inadequate meals or cabin service, treatment of delayed passengers. ³ All baggage problems, whether or not airline complied with DOT regulations. ⁴ Errors in reservations and scheduling; problems in making reservations and obtaining tickets. ⁵ Incorrect or incomplete information about fares, discount fare conditions and availability, etc.

Source: U.S. Dept. of Transportation, Office of Consumer Affairs, *Air Travel Consumer Report*, monthly.

No. 1968. AIRCRAFT ACCIDENTS AND HIJACKINGS: 1970 TO 1967

(For years ending December 31)

ITEM	UNIT	1970	1975	1980	1985	1990	1995	1996	1997
Aircraft accidents:¹									
General aviation ²	Number	4,712	3,985	3,380	3,075	3,010	2,741	2,781	2,490
Fatal	Number	841	839	818	885	843	488	487	426
Rate per 100,000 aircraft hours flown	Rate	(na)	2.20	1.88	1.78	1.78	1.68	1.68	1.48
Fatalities	Number	1,310	1,252	1,238	1,084	1,038	860	860	788
Air carrier ³	Number	55	28	18	22	19	17	20	31
Fatal	Number	8	2	-	4	1	4	1	4
Rate per 1,000,000 aircraft miles flown	Rate	(na)	.001	-	.001	.0009	.001	.001	.001
Fatalities	Number	146	122	-	18	4	18	1	231
Commuter or carrier ⁴	Number	(na)	48	38	18	28	21	18	38
Fatal	Number	(na)	13	8	8	7	-	2	10
Rate per 1,000,000 aircraft miles flown	Rate	(na)	.07	.04	.01	.02	.02	.01	.04
Fatalities	Number	(na)	38	37	11	48	37	4	58
Air taxi ⁵	Number	(na)	152	171	40	148	158	117	88
Fatal	Number	(na)	24	46	27	23	38	38	31
Rate per 100,000 aircraft hours flown	Rate	(na)	.86	1.27	.08	.75	1.28	1.10	1.07
Fatalities	Number	(na)	89	108	62	65	78	67	88
Hijacking incidents, worldwide	Number	83	25	40	33	28	38	12	17
U.S. registered aircraft	Number	27	12	28	18	3	4	4	8
Successful ⁶	Number	18	4	13	13	8	8	8	1
Foreign-registered aircraft	Number	56	13	18	18	18	31	8	11
Successful ⁶	Number	37	3	8	8	18	18	2	8

- Represents zero. NA Not available. ¹ Data from National Transportation Safety Board. ² See text, section 29.
³ Beginning 1975, includes all scheduled service of U.S. Air Carriers operating under 14 CFR 121. ⁴ All scheduled service of U.S. Air Carriers operating under 14 CFR 135. ⁵ All nonscheduled service of U.S. Air Carriers operating under 14 CFR 135.
⁶ Hijacker controls flight and reaches destination or objective.

Source: U.S. Federal Aviation Administration, *FAA Statistical Handbook of Aviation*, annual, and unpublished data includes data from U.S. Department of Transportation, Research and Special Programs Administration.

No. 1049. COMMUTER/REGIONAL AIRLINE OPERATIONS—SUMMARY: 1979 TO 1987

[Calendar year data. Commuter/regional airlines operate primarily aircraft of predominantly 80 passengers or less and 16,000 pounds of payload capacity serving short haul and small community markets. Represents operations within all North America by U.S. regional carriers. Averages are means. For definition of mean, see Guide to Tabular Presentation]

ITEM	Unit		1980	1981	1982	1983	1984	1985	1986	1987
Passenger carriers operating	Number		227	214	245	215	198	203	179	189
Passengers enplaned	Millions		14.0	14.8	15.4	16.5	21.8	25.1	28.4	31.8
Average passengers enplaned per carrier	1,000		61.7	69.2	62.8	66.5	111.2	125.4	158.4	167.7
Revenue passenger miles (RPM)	Billions		1.72	1.92	2.09	2.61	3.24	4.17	4.41	5.00
Average RPMs per carrier	Millions		7.58	8.97	8.50	12.14	16.33	20.48	24.64	26.80
Airports served	Number		748	732	780	817	854	853	854	834
Average trip length	Miles		128	129	136	141	148	160	173	188
Passenger aircraft operated	Number		1,285	1,339	1,483	1,579	1,545	1,747	1,745	1,841
Average seating capacity (seats)	Number		12.5	13.9	15.1	15.6	18.1	18.4	19.2	19.7
Fleet flying hours	1,000		1,380	1,740	1,884	2,160	2,415	2,784	2,864	2,942
Average annual utilization aircraft	Hours		1,180	1,280	1,303	1,373	1,583	1,582	1,635	1,688

¹ Adjusted to exclude a merger in 1986.

Source: Regional Airline Association, Washington, DC, 1988 Annual Report of the Regional Airline Industry (copyright).

No. 1050. CIVIL FLYING—SUMMARY: 1970 TO 1987

[As of Dec. 31 or for years ending Dec. 31, except as noted. See also Historical Statistics, Colonial Times to 1870, series Q 804-825]

ITEM	Unit	1970	1975	1980	1982	1983	1984	1985	1986	1987
Airports in operation ¹	Number	11,261	13,251	15,161	15,831	16,029	16,075	16,218	16,582	17,015
Heliports	Number	790	1,524	2,338	2,712	2,818	2,980	3,120	3,338	3,663
Public	Number	4,280	4,573	4,814	4,806	4,812	4,806	5,881	4,824	4,984
Private	Number	7,001	8,678	10,347	11,025	11,217	11,269	10,457	11,858	12,031
Airports with runway lights	Number	3,554	4,171	4,738	4,844	4,878	4,889	4,941	4,954	4,922
Airports with paved runways	Number	3,806	4,866	5,833	6,223	5,441	6,529	6,721	6,848	7,232
Miles of Federal airways	1,000	324.7	403.9	411.1	386.2	364.4	364.8	368.5	332.0	352.9
Airport Improvement Program ²	Mill. dol.	60.5	339.9	839.0	407.1	721.5	733.3	842.1	1,815.3	919.4
Total civil aircraft	1,000	154.5	196.3	259.4	259.0	264.8	271.5	274.9	275.7	275.1
Active aircraft ³	1,000	134.5	171.2	214.8	214.0	217.5	225.3	216.4	224.9	(NA)
Air carriers, total ⁴	1,000	2.8	2.5	3.8	4.2	4.2	4.4	4.7	4.9	5.2
General aviation aircraft ⁵	1,000	131.7	168.5	211.0	209.8	213.3	220.8	210.7	220.0	(NA)
Fixed-wing aircraft:										
Multi-engine	1,000	18.4	24.8	31.7	33.2	34.5	35.8	33.8	34.3	(NA)
Single-engine:										
4-place and over	1,000	54.8	82.8	107.9	108.5	107.2	106.9	105.8	109.4	(NA)
3-place and less	1,000	44.9	54.4	80.5	57.7	58.2	62.0	58.8	62.4	(NA)
Rotorcraft ⁶	1,000	2.2	4.1	8.0	8.2	8.5	7.1	8.4	8.9	(NA)
Balloons, blimps, gliders, etc.	1,000	1.6	2.6	5.0	6.2	5.9	6.3	6.3	7.0	(NA)
Alman certificates held	1,000	1,002	1,028	1,195	1,133	1,131	1,149	1,105	1,119	1,128
Pilot ⁷	1,000	733	726	827	733	718	722	710	709	700
Held by women	Percent	4.0	5.2	6.4	6.2	6.1	6.1	6.1	6.1	6.1
Airline transport	1,000	34	43	70	73	75	79	83	87	91
Commerciales	1,000	187	180	183	185	158	155	152	148	144
Private	1,000	304	305	357	322	319	320	311	308	301
Student	1,000	186	177	300	156	147	180	147	150	146
Nonpilot ⁸	1,000	289	300	368	400	413	427	385	410	428
Ground technicians ⁹	1,000	241	271	321	362	385	378	341	383	377
FAA employees Total	Number	(NA)	58,732	55,340	46,887	48,883	47,178	47,245	48,804	48,519
Air traffic control specialists ¹⁰	Number	(NA)	26,790	27,190	22,072	22,638	23,234	23,580	23,515	23,288
Full performance ¹¹	Number	(NA)	(NA)	18,317	9,078	15,458	11,031	11,872	12,833	11,542
Developmental ¹²	Number	(NA)	(NA)	4,287	6,246	4,848	4,848	4,304	3,976	4,743
Assistant ¹³	Number	(X)	(X)	(X)	1,188	1,387	1,475	1,465	1,479	1,487
Traffic management coordinators ¹⁴	Number	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	252
Electronic technicians	Number	(NA)	9,148	8,871	8,031	7,833	7,228	6,858	6,800	6,740
Aviation safety inspectors	Number	(NA)	2,582	2,038	1,835	1,805	1,945	1,897	2,204	2,340
Engineers	Number	(NA)	2,587	2,438	2,236	2,213	2,419	2,457	2,417	2,449
Other	Number	(NA)	18,114	14,805	12,721	12,604	12,351	12,455	12,073	11,701
General aviation, ¹⁵										
Hours flown	Million	26.0	32.0	41.0	36.5	35.2	36.1	34.1	34.4	(NA)
Fuel consumed: ¹⁶										
Gasoline	Mill. gal.	362	397	520	448	428	462	420	410	(NA)
Jet fuel ¹⁷	Mill. gal.	415	510	788	887	813	738	891	732	(NA)

NA Not available. X Not applicable. ¹ Existing airports, heliports, seaplane bases, etc. recorded with FAA. Includes military airports with joint civil and military use. Includes U.S. outlying areas. Airport-type definitions: Public—publicly owned and under control of a public agency; private—owned by a private individual or corporation. May or may not be open for public use.

² Fiscal year data. Does not include System Planning Grants. Includes U.S. outlying areas. 1970-1982 data are obligated Federal funds for the Airport Development Aid Program. 1983-1987 data are appropriated Federal funds under the Airport and Airway Improvement Act of 1982. ³ Registered aircraft that flew 1 or more hours during the year. ⁴ Includes helicopters. ⁵ See text, section 22. ⁶ Includes autogyros; excludes air carrier helicopters. ⁷ Includes all active pilots. An active pilot is one with a pilot certificate and a valid medical certificate. Also includes pilots who hold only a helicopter, glider, or lighter-than-air certificate, not shown separately. ⁸ Includes dispatchers, flight navigators and engineers, and ground technicians—mechanics, parachute riggers, and ground instructors. ⁹ No medical examinations are required, therefore, data represent all certificates on record and include retired or otherwise inactive technicians. ¹⁰ Includes all air traffic control specialists (staff positions, managers, supervisors, and for 1970-1986 traffic management coordinators, not shown separately) and air traffic assistants. Beginning in 1987, includes full-time permanent only. ¹¹ Serving in-flight service stations, towers, and carriers. ¹² Prior to 1987, included in total air traffic control specialists. ¹³ Source: 1970 and 1975, U.S. Bureau of Mines; 1980-1988 FAA General Aviation Activity and Avionics Survey. ¹⁴ Includes herosene-type and naphtha-type jet fuels.

Source: U.S. Federal Aviation Administration, FAA Statistical Handbook of Aviation, annual; and unpublished data. Includes data from U.S. Department of Transportation, Research and Special Programs Administration.

No. 1051. U.S. AIRCRAFT SHIPMENTS: 1970 TO 1988

(Value in millions of dollars)

YEAR	TOTAL		CIVIL						MILITARY	
	Units	Value	Large transports ¹		General aviation ²		Helicopters		Units	Value
			Units	Value	Units	Value	Units	Value		
1970	11,632	7,511	311	3,158	7,282	337	485	40	3,534	5,667
1975	16,918	9,355	385	4,008	14,086	1,033	838	286	1,739	4,080
1980	14,880	16,845	383	6,793	11,877	2,486	1,363	674	1,047	5,892
1981	11,880	20,157	388	9,731	9,457	2,920	853	636	1,062	6,670
1982	6,248	19,288	236	8,254	4,268	2,000	—	385	1,159	10,647
1983	4,406	23,012	262	8,483	2,691	1,470	—	303	1,063	12,746
1984	3,931	22,570	168	6,343	2,431	1,691	—	330	936	14,216
1985	3,587	28,988	273	9,061	2,029	1,431	—	305	919	18,001
1986	3,284	34,981	329	10,643	1,495	1,282	330	286	1,110	22,789
1987	2,959	35,612	361	10,585	1,085	1,364	358	277	1,155	23,386
1988 ³	2,927	37,180	422	13,800	1,110	1,420	335	280	1,080	21,700
1988 ⁴	2,945	37,980	445	16,500	1,190	1,570	380	310	930	19,600

¹ Capacity over 70 seats. ² Includes aircraft kits for exports. ³ Estimated. ⁴ Forecast.Source: U.S. Department of Commerce, International Trade Administration, *U.S. Industrial Outlook*, 1988.

No. 1052. EMPLOYMENT AND EARNINGS IN AIRCRAFT INDUSTRIES: 1970 TO 1987

(Annual averages of monthly figures)

SIC ¹ code	ITEM	Unit	1970	1975	1980	1982	1983	1984	1985	1986	1987
(0)	Employment:										
3721	Total	1,000	684	887	783	732	720	746	814	878	906
3724	Aircraft	1,000	371	293	349	320	305	306	326	339	367
3724	Aircraft engines and engine parts	1,000	(NA)	126	183	149	140	140	148	154	157
3726	Aircraft equipment, n.e.c. ²	1,000	(NA)	95	140	132	134	146	163	185	185
376	Guided missiles, space vehicles, and parts	1,000	(NA)	93	111	131	141	164	177	200	204
(0)	Average weekly earnings: ³										
3721	Aircraft	Dollars	186	255	404	485	(NA)	(NA)	(NA)	(NA)	(NA)
3724	Aircraft engines and parts	Dollars	(NA)	247	394	454	476	523	542	561	567
376	Guided missiles, space vehicles, and parts	Dollars	(NA)	245	376	447	480	498	518	517	538
(0)	Average hourly earnings: ³										
3721	Aircraft	Dollars	4.17	8.21	9.86	11.85	(NA)	* 12.91	* 13.18	* 13.48	* 13.74
3724	Aircraft engines and parts	Dollars	(NA)	6.04	9.42	11.16	11.61	12.40	12.85	13.08	13.33
376	Guided missiles, space vehicles, and parts	Dollars	(NA)	6.02	9.22	10.95	11.59	11.82	12.14	12.20	12.60

NA Not available. X Not applicable. ¹ Standard Industrial Classification; see text, section 13. ² N.e.c.—Not elsewhere classified. ³ For production workers. ⁴ Excludes lump-sum payments. Earnings which include proration of lump-sum payments were \$13.11 in 1984, \$13.40 in 1985, \$13.80 in 1986, and \$14.32 in 1987.Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

No. 1053. AEROSPACE INDUSTRY—SUMMARY: 1975 TO 1988

[For calendar year, except employment and earnings annual averages of monthly figures. Includes Standard Industrial Classification Codes 372 and 376. Industry shipments refer to the total value of all products shipped by establishments classified in that industry. Product shipments refer to the total value of specific products shipped, irrespective of how the establishments which made them are classified.]

ITEM	Unit	1975	1980	1985	1988	1984	1989	1986	1987	1988 ¹	1988 ²
INDUSTRY DATA											
Value of shipments	Mill. dol.	29,055	56,483	68,486	74,823	77,826	80,795	100,889	108,713	116,580	123,366
In 1982 dollars	Mill. dol.	66,283	71,895	68,486	70,876	71,542	82,480	81,336	100,548	103,144	104,429
Employment, total	1,000	586	721	686	600	603	748	796	834	948	861
Production workers	1,000	312	387	346	341	344	372	400	421	428	432
Average hourly earnings	Dol.	6.53	9.90	12.23	13.08	13.24	13.88	14.37	14.75	15.17	(NA)
Capital expenditures	Mill. dol.	476	1,829	2,143	2,156	3,050	3,784	4,144	(NA)	(NA)	(NA)
PRODUCT DATA											
Value of shipments	Mill. dol.	26,634	53,286	60,084	66,229	70,300	80,825	80,897	96,140	104,303	110,171
In 1982 dollars	Mill. dol.	54,316	65,478	60,084	62,631	64,400	73,368	82,230	90,357	92,694	93,636

NA Not available. ¹ Estimated. ² Forecast.Source: U.S. Department of Commerce, International Trade Administration, *U.S. Industrial Outlook*, 1988.

NO. 1054. AEROSPACE—SALES, NEW ORDERS, AND BACKLOG: 1970 TO 1987

[In billions of dollars, except as indicated. Reported by establishments in which the principal business is the development and/or production of aerospace products]

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Net sales	24.8	29.5	58.4	60.9	75.5	83.5	88.9	100.5	105.6	109.1
Percent of U.S. Government	88.3	58.7	45.8	47.2	55.9	58.8	62.7	63.2	61.9	62.1
Complete aircraft and parts ¹	10.4	11.3	22.8	25.1	23.2	27.3	28.3	34.2	38.0	37.0
Aircraft engines and parts	3.1	3.4	8.9	8.5	8.7	8.6	9.1	9.7	9.8	12.0
Missiles and space vehicles, parts	5.4	8.3	8.4	4.7	5.7	12.7	13.8	18.7	17.5	20.3
Other products, services	5.9	8.5	20.5	31.6	37.9	34.8	38.0	39.8	40.3	39.7
Net, new orders	21.2	28.0	70.4	72.7	84.9	91.6	104.9	111.0	110.8	119.1
Backlog, Dec. 31	24.7	35.0	90.5	93.4	103.5	116.6	132.5	143.0	148.2	157.3

¹ Except engines sold separately.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA-37D.

NO. 1055. AEROSPACE INDUSTRY SALES, BY PRODUCT GROUP AND CUSTOMER: 1970 TO 1987

[In billions of dollars. Due to reporting practices and tabulating methods, figures may differ from those in table 1054]

ITEM	CURRENT DOLLARS						CONSTANT (1982) DOLLARS ²					
	1970	1975	1980	1985	1986	1987 ¹	1970	1975	1980	1985	1986	1987 ¹
Total sales	25.8	28.7	54.7	98.5	106.2	112.0	88.9	88.0	88.1	96.2	93.4	■
PRODUCT GROUP												
Aircraft, total	14.1	18.4	31.5	50.8	58.4	59.7	38.5	31.0	39.2	45.1	49.6	51.6
Civil ³	4.4	8.5	16.2	13.7	15.7	15.6	12.0	12.2	20.3	12.3	13.8	14.3
Military	9.7	10.0	15.2	36.8	40.7	43.2	26.5	18.8	18.9	32.8	35.8	37.3
Missiles	4.1	3.8	6.5	11.4	12.0	10.8	11.2	7.1	8.1	10.2	10.5	9.2
Space	4.7	4.7	7.9	18.8	20.1	23.1	12.0	8.8	9.0	16.6	17.7	19.9
Related products and services ⁴	2.8	4.8	8.5	16.1	17.7	18.7	7.1	9.1	10.9	14.4	15.6	16.2
CUSTOMER GROUP												
Aerospace, total	22.9	24.9	45.9	80.5	88.5	93.4	82.6	47.0	57.1	71.9	77.8	80.8
DOD ⁵	14.6	13.1	22.8	53.2	59.2	60.3	39.9	24.6	28.4	47.5	52.0	52.2
NASA ⁶ and other agencies	3.0	2.6	4.1	8.3	8.2	7.1	8.2	5.3	5.1	5.6	5.5	6.1
Other customers ⁷	5.3	8.9	19.0	21.0	23.1	26.0	14.5	16.9	23.6	18.8	20.3	22.5
Related products and services ⁴	2.8	4.8	8.8	16.1	17.7	18.7	7.1	9.1	10.9	14.4	15.6	16.2

¹ Preliminary. ² Based on aerospace composite price deflator supplied by the U.S. International Trade Administration.

³ All civil sales of aircraft (domestic and export sales of jet transports, commuters, business and personal aircraft and helicopters). ⁴ Electronics, software, and ground support equipment, plus sales of non-aerospace products which are produced by aerospace-manufacturing establishments and which use technology, processes, and materials derived from aerospace products.

⁵ Department of Defense. ⁶ National Aeronautics and Space Administration. ⁷ Includes civil aircraft sales (see footnote 3), commercial space sales, all exports of military aircraft and missiles and related propulsion and parts.

Source: Aerospace Industries Association of America, Inc., Washington, DC, *Aerospace Facts and Figures*, 1988/89.

NO. 1056. U.S. EXPORTS OF AEROSPACE VEHICLES AND EQUIPMENT: 1980 TO 1989

ITEM	NUMBER OF UNITS					VALUE (mil. dol.)				
	1980	1985	1987	1988 ¹	1989 ²	1980	1985	1987	1988 ¹	1989 ²
Aerospace vehicles and equipment, total	(NA)	(NA)	(NA)	(NA)	(NA)	18,881	18,728	23,452	26,136	27,679
Civil aircraft, total	4,434	1,050	1,812	2,292	2,153	6,378	6,894	7,518	10,616	11,400
Under 10,000 lbs. empty weight, new	3,150	485	473	486	495	857	147	254	236	240
10,000-33,000 lbs. empty weight, new	28	19	15	18	20	83	44	42	50	62
Over 33,000 lbs. empty weight, new	237	152	170	234	248	6,849	5,516	6,377	9,420	10,100
Rotary wing, new	525	137	240	254	240	299	210	200	180	168
Other new aircraft, n.e.c. ³	(NA)	(NA)	(NA)	(NA)	(NA)	5	442	141	200	130
Used, rebuilt, and converted	494	277	814	1,300	1,150	486	333	504	530	700
Military aircraft, total	502	322	485	525	480	949	2,012	3,587	2,180	2,150
Aircraft engines and parts, total	(NA)	(NA)	(NA)	(NA)	(NA)	1,887	3,283	4,388	4,940	5,304
Internal combustion and parts	(NA)	(NA)	(NA)	(NA)	(NA)	270	303	352	373	389
Military, new and used	110	72	249	300	330	4	2	4	5	6
Non-military, new	1,848	984	1,228	1,955	1,900	25	20	28	31	32
Non-military, used	1,365	1,402	1,622	2,250	2,300	17	24	25	32	36
Parts, n.e.c. ³	(NA)	(NA)	(NA)	(NA)	(NA)	224	257	295	305	318
Turbines and parts	(NA)	(NA)	(NA)	(NA)	(NA)	1,816	2,980	4,044	4,567	4,915
Military, new or used	254	244	183	215	225	59	144	157	202	215
Non-military, new and used	1,393	2,317	1,646	2,010	2,250	514	880	1,165	1,480	1,600
Parts, n.e.c. ³	(NA)	(NA)	(NA)	(NA)	(NA)	1,044	1,956	2,722	2,905	3,100
Missile engines and parts	(NA)	(NA)	(NA)	(NA)	(NA)	29	34	38	45	80
Propellers and parts	(NA)	(NA)	(NA)	(NA)	(NA)	57	55	47	68	75
Landing gear and parts	(NA)	(NA)	(NA)	(NA)	(NA)	92	102	131	128	140
Aircraft parts and accessories, n.e.c. ³	(NA)	(NA)	(NA)	(NA)	(NA)	3,436	5,449	6,497	6,810	7,200
Guided missiles and space vehicles	(NA)	(NA)	(NA)	(NA)	(NA)	327	404	363	300	330
Flight simulators	(NA)	(NA)	(NA)	(NA)	(NA)	54	82	107	110	130
Space vehicle equipment, n.e.c. ³	(NA)	(NA)	(NA)	(NA)	(NA)	382	387	457	470	480
Avionics	(NA)	(NA)	(NA)	(NA)	(NA)	80	224	329	381	400

NA Not available. ¹ Estimated. ² Forecast. ³ N.e.c. = Not elsewhere classified.

Source: U.S. Dept. of Commerce, International Trade Administration, *U.S. Industrial Outlook*, annual.

No. 1067. U.S. RECEIPTS AND PAYMENTS FOR INTERNATIONAL TRANSPORTATION: 1970 TO 1987

[In millions of dollars. Data are international transportation transactions recorded for balance of payment purposes (see table 1989). Receipts include freight on exports carried by U.S.-operated carriers and foreign carrier expenditures in U.S. ports. Payments include freight on imports carried by foreign carriers and U.S. carrier port expenditures abroad. Freight on exports carried by foreign carriers is excluded since such payments are directly or indirectly for foreign account. Similarly, freight on U.S. imports carried by U.S. carriers is a domestic rather than an international transaction. Minus sign (-) indicates excess of payments over receipts. See *Historical Statistics, Colonial Times to 1970*, series U 3 and U 10, for totals.]

ITEM	1970	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total receipts	3,088	6,878	14,386	15,671	15,461	16,398	17,495	16,399	18,633	22,392
Ocean transportation	2,358	4,085	7,757	8,028	7,885	8,133	8,848	8,848	9,166	10,040
Export freight earnings	304	1,183	2,841	2,806	2,848	2,861	2,702	2,806	2,810	2,806
Freight earnings on shipments between foreign countries	209	328	588	681	555	575	583	574	578	585
Port expenditures	1,405	2,481	4,436	4,552	4,488	4,692	5,467	5,274	5,843	6,484
Charter hire	57	73	93	112	113	115	127	132	140	145
Air transportation	1,240	2,515	5,946	7,160	7,328	7,596	8,071	8,965	9,585	11,434
Export freight earnings	187	380	742	762	782	578	645	788	783	882
Passenger fares	541	1,038	2,591	3,111	3,174	3,810	3,828	3,848	4,175	5,388
Port expenditures	512	1,089	2,813	3,287	3,380	3,410	3,805	4,841	4,837	5,054
Other transportation	173	209	805	463	480	471	515	481	889	805
Total payments	4,588	7,671	15,397	16,881	16,482	16,389	21,576	22,838	24,198	28,946
Ocean transportation	2,380	4,466	8,447	8,800	8,307	8,524	10,544	11,018	11,819	11,777
Import freight payments	1,444	3,047	5,809	6,073	5,582	5,827	7,735	8,114	8,835	8,852
Passenger fares	246	278	286	287	280	308	308	320	320	325
Port expenditures	318	755	1,808	2,054	1,957	1,880	1,872	2,048	2,125	2,047
Charter hire	375	386	485	488	488	512	512	588	538	580
Air transportation	1,561	3,348	6,705	7,785	7,938	8,381	11,088	12,284	12,281	14,862
Import freight payments	115	248	582	671	728	1,088	1,553	1,808	2,051	2,242
Passenger fares	970	1,886	3,338	4,300	4,482	5,888	6,744	7,585	7,154	8,457
Port expenditures	488	1,115	2,804	2,914	2,731	2,697	2,712	3,053	3,078	4,183
Other transportation	97	180	245	278	237	240	243	228	288	308
Balance	-900	-1,552	-1,106	-1,209	-901	-2,825	-4,441	-5,285	-4,888	-4,888

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, June issues, and unpublished data.

No. 1063. EXPORTS AND IMPORTS, BY METHOD OF TRANSPORT: 1970 TO 1987

[Exports are free alongside ship (f.a.s.) value (see text, section 28) for all years; imports are f.a.s. value for 1975 and 1980 and customs value for other years. Export data include both domestic and foreign; import data for general imports only. For details, see source.]

ITEM	Unit	EXPORTS						IMPORTS					
		1970	1975	1980	1981	1982	1987	1970	1975	1980	1985	1986	1987
All methods ¹	BL dol.	43.2	107.6	220.7	213.1	227.2	254.1	40.0	88.8	240.8	345.3	365.4	405.2
Vessel	BL dol.	24.8	63.4	120.9	91.7	90.1	88.3	24.8	63.5	185.1	208.4	221.6	244.0
Air	BL dol.	8.1	15.2	48.1	52.3	63.4	88.0	3.4	8.8	28.0	51.3	62.0	67.0
Shipping weight: Vessel	BL lb.	480.8	538.5	601.8	700.5	653.3	708.6	508.4	655.3	975.8	797.0	914.2	938.0
Air	BL lb.	.9	1.4	2.3	1.8	2.1	2.4	.8	1.1	1.3	2.8	2.8	3.1

¹ Includes types other than vessel and air and revisions that are not distributed by method of transport.

Source: U.S. Bureau of the Census, *Highlights of U.S. Export and Import Trade*, FT 980, monthly.

No. 1036. FEDERAL EXPENDITURES FOR CIVIL FUNCTIONS OF THE CORPS OF ENGINEERS, UNITED STATES ARMY: 1960 TO 1987

[In millions of dollars. For fiscal years ending in year shown, see text, section 9. These expenditures represent the work of the Corps of Engineers to plan, design, construct, operate, and maintain civil works projects and activities, particularly in the management and improvement of rivers, harbors, and waterways for navigation, flood control, and multiple purposes. The amounts listed below do not include the expenditure of funds contributed, advanced, or reimbursed by other government agencies or local interests. Includes Puerto Rico and outlying areas.]

FISCAL YEAR	Total program ¹	Navi-gation	Flood control	Multi-ple purpose	FISCAL YEAR	Total program ¹	Navi-gation	Flood control	Multi-ple purpose
1960	873	316	283	270	1981	3,199	1,338	1,273	527
1965	1,188	438	447	293	1982	2,940	1,361	1,083	493
1970	1,128	398	379	351	1983	2,888	1,388	1,083	482
1975	2,070	684	804	438	1984	3,085	1,389	1,154	446
1977	2,340	782	818	584	1985	2,888	1,234	1,187	419
1978	2,848	951	1,088	583	1986	3,183	1,346	1,309	402
1979	2,884	1,083	1,218	577	1987	2,887	1,135	1,272	411
1980	3,081	1,225	1,225	551					

¹ Includes expenditures which are not associated with a specific purpose (e.g., headquarters staff supervision, management, and administration activities, and some research and development activities).

Source: U.S. Army Corps of Engineers, *Report of Civil Works Expenditures by State and Fiscal Year*, annual.

No. 1060. FREIGHT CARRIED ON INLAND WATERWAYS, BY SYSTEM: 1960 TO 1966

(In millions of ton-miles. Excludes Alaska and Hawaii, except as noted. Includes waterways, canals, and connecting channels)

SYSTEM	1960	1970	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total	228.9	318.6	368.5	466.5	434.6	496.9	419.2	381.2	388.6	389.6	381.7	368.9
Atlantic coast waterways	28.6	28.6	30.4	30.5	31.9	30.4	28.3	25.4	22.5	24.7	24.8	25.8
Gulf coast waterways	16.9	28.6	37.6	37.1	38.1	36.6	35.1	31.8	32.4	36.7	36.5	38.8
Pacific coast waterways ¹	6.0	6.4	12.8	13.6	14.1	14.9	14.4	12.8	13.2	20.5	19.9	20.8
Mississippi River system ²	98.3	138.5	196.9	209.3	218.8	228.9	234.4	218.0	223.0	234.6	224.7	238.3
Great Lakes System ³	98.5	114.5	90.7	118.9	121.7	96.0	98.0	83.2	67.9	82.5	75.8	87.9

¹Includes Alaskan waterways. ²Comprises main channels and all tributaries of the Mississippi, Illinois, Missouri, and Ohio Rivers. ³Does not include traffic between foreign ports.

Source: U.S. Army Corps of Engineers, *Waterborne Commerce of the United States*, annual.

No. 1061. WATERBORNE IMPORTS AND EXPORTS—CARGO TONNAGE AND VALUE, BY COASTAL DISTRICT: 1970 TO 1987

[Exports are free alongside ship (f.a.s.) value for all years; imports are f.a.s. value for 1975 and 1980 and customs value for other years see text, section 29. Includes commodities classified for security reasons as "Special Category" (imports only) and exports by Dept. of Defense (grant-aid shipments), and merchandise shipped in transit through the U.S. See Appendix B]

DISTRICT	CARGO TONNAGE (mil. sh. tons)							VALUE (\$bil. dol.)						
	1970	1975	1980	1984	1985	1986	1987	1970	1975	1980	1984	1985	1986	1987
Imports:														
Atlantic	219	232	183	197	190	216	224	15.0	34.7	71.6	92.6	94.4	97.5	105.8
Gulf	47	134	243	155	141	171	184	2.8	14.3	58.4	35.7	32.8	27.0	30.5
Pacific	31	64	56	47	51	53	58	5.5	15.2	45.0	70.6	90.4	104.0	119.4
Great Lakes	26	22	16	16	17	14	14	1.3	1.7	1.9	2.7	2.6	2.3	2.3
Exports:														
Atlantic	79	60	117	62	65	63	76	11.9	28.7	51.0	37.5	35.2	38.3	38.7
Gulf	78	106	183	167	144	136	156	6.9	21.4	41.5	37.3	31.8	29.0	31.8
Pacific	48	49	78	66	61	62	66	4.1	10.0	25.2	27.2	25.8	28.3	31.9
Great Lakes	36	35	45	41	34	32	32	1.4	2.8	4.6	3.4	2.4	1.8	2.1

Source: U.S. Bureau of the Census, *U.S. Waterborne Exports and General Imports*, FT 965, annual.

No. 1062. DOMESTIC AND FOREIGN WATERBORNE COMMERCE, BY TYPE OF COMMODITY: 1970 TO 1986

(In millions of short tons. Domestic trade includes all commercial movements between U.S. ports and on inland rivers. Great Lakes, canals, and connecting channels of U.S., Puerto Rico, and Virgin Islands. Figures may differ from those shown in table 1061 due to minor differences in basic concepts)

COMMODITY	1970		1980		1986		1986			
	Total	Domestic	Total	Domestic	Total	Domestic	Total	Domestic	Foreign	
									Imports	Exports
Net total	1,531.7	980.7	1,988.6	1,877.6	1,788.4	1,614.1	1,674.4	1,637.2	498.1	281.3
Petroleum products ¹	364.7	267.3	423.2	339.2	368.8	259.0	402.7	270.8	91.7	48.4
Gasoline	89.3	88.7	87.3	81.0	84.0	78.0	86.0	78.9	17.2	1.8
Diesel fuel oil	78.8	78.9	74.6	72.1	70.0	66.0	78.1	59.6	12.8	5.9
Residual fuel oil	170.5	78.8	188.0	141.3	130.0	83.7	142.6	88.9	43.8	8.9
Crude petroleum	210.6	116.3	480.2	174.2	367.7	194.7	412.9	198.2	216.7	-
Coal and lignite	225.4	154.1	258.4	184.1	273.9	179.9	283.8	188.7	1.9	85.3
Nonmetallic minerals ^{1,2}	186.8	132.6	167.1	111.8	160.7	108.5	148.9	108.1	22.0	18.8
Sand and gravel ³	78.4	73.9	66.1	60.8	68.4	62.0	96.0	63.6	2.6	1.5
Limestone	42.0	34.1	34.2	23.9	24.5	21.9	25.0	21.8	7	2.7
Phosphate rock	16.6	5.8	23.7	9.5	19.4	6.4	16.5	7.9	.6	8.1
Iron and concentrates	129.3	75.2	98.4	64.9	72.7	50.0	87.0	43.7	18.3	5.8
Farm products ¹	90.4	28.5	218.8	63.4	172.8	80.0	152.7	54.8	6.5	81.5
Corn	27.2	11.7	98.6	30.8	78.3	29.0	60.1	21.1	1	28.9
Wheat	25.0	5.8	53.4	14.3	38.0	10.8	37.4	10.2	1	27.8
Soybeans	21.2	8.3	39.8	18.1	32.9	14.9	41.0	18.1	-	23.8
Chemicals and allied products	62.0	39.7	91.9	49.4	106.5	53.3	113.3	57.9	26.6	28.9
Food and kindred products	35.0	11.0	64.8	20.4	52.5	17.8	68.1	20.0	13.4	24.6
Lumber and wood products ⁴	48.9	27.3	62.0	22.7	47.2	18.8	51.3	22.8	4.8	23.8
Primary metal products	42.4	10.8	28.8	9.0	33.4	8.6	30.3	6.4	20.5	1.6
Waste and scrap	25.9	16.0	31.1	18.8	37.4	23.9	38.0	23.1	.7	15.2
Other	98.7	51.9	108.1	36.8	112.8	40.0	113.3	34.9	62.9	16.3

- Represents zero. ¹Includes categories not shown separately. ²Excludes fuels. ³Includes crushed rock.⁴Excludes furniture.Source: U.S. Army Corps of Engineers, *Waterborne Commerce of the United States*, annual.

Vessels Entered and Cleared in Foreign Trade—Vessels Completed 619

NO. 1063. VESSELS ENTERED AND CLEARED IN FOREIGN TRADE—NET REGISTERED TONNAGE, BY FLAG OF CARRIER VESSEL: 1961 TO 1967

[In millions of net tons, except as indicated. Includes Puerto Rico and Virgin Islands. Seaports comprise all ports except Great Lakes ports. See also *Historical Statistics, Colonial Times to 1970*, series Q 507-517]

YEARLY AVERAGE OR YEAR	ALL PORTS					SEAPORTS					
	Number of vessels	Tonnage, all vessels				Tonnage, all vessels			Tonnage, with cargo		
		Total	U.S.	Per-cent U.S.	Foreign	Total	U.S.	Foreign	Total	U.S.	Foreign
Entered:											
1961-1965	48,570	186	33	17.5	155	186	30	136	128	19	109
1966-1970	53,459	232	30	12.5	202	206	27	180	157	18	139
1971-1975	53,780	319	30	9.5	290	292	28	264	220	24	196
1976-1980	53,700	458	40	8.7	418	425	38	387	316	30	286
1981-1985	50,124	452	57	12.4	395	424	55	369	277	36	241
1970	53,293	254	28	10.3	226	227	24	202	171	19	152
1975	51,443	355	32	9.9	323	329	30	297	240	26	215
1980	53,845	492	52	10.8	440	460	50	410	310	34	276
1984	49,239	450	53	11.5	406	420	51	378	291	33	258
1985	53,531	451	53	11.7	398	426	52	374	283	34	249
1986	56,859	489	49	10.0	439	463	48	415	310	32	278
1987	59,563	518	48	9.3	470	492	47	445	333	29	304
Cleared:											
1961-1965	48,095	189	34	17.9	155	188	30	137	96	20	76
1966-1970	52,415	232	30	12.8	202	206	27	179	122	23	99
1971-1975	53,039	324	31	9.6	293	296	29	267	149	21	127
1976-1980	52,931	453	41	9.1	412	420	38	382	203	26	177
1981-1985	50,291	490	57	12.4	403	432	55	377	251	34	217
1970	52,195	253	27	10.6	226	226	26	201	132	20	112
1975	51,017	363	34	10.3	329	334	31	303	168	23	144
1980	52,925	487	54	11.1	433	456	51	406	246	33	213
1984	49,819	458	54	11.5	414	436	51	387	250	32	218
1985	53,095	451	55	11.9	406	435	53	382	253	36	217
1986	55,710	491	51	10.4	441	466	49	417	246	33	212
1987	58,307	521	49	9.4	472	495	48	447	266	31	236

Source: U.S. Bureau of the Census, through 1985, *Foreign Commerce and Navigation of the United States*; thereafter, *Vessel Entrances and Clearances*, FT 975, annual.

NO. 1064. VESSELS ENTERED AND CLEARED IN FOREIGN TRADE—NET REGISTERED TONNAGE, BY COASTAL DISTRICTS: 1970 TO 1987

[In millions of net tons. Excludes domestic trade. Virgin Islands and Puerto Rico included in South Atlantic Coast, Hawaii in South Pacific Coast, Alaska in North Pacific Coast]

COASTAL DISTRICT	VESSELS ENTERED							VESSELS CLEARED						
	1970	1975	1980	1984	1985	1986	1987	1970	1975	1980	1984	1985	1986	1987
North Atlantic Coast	102.1	114.2	118.6	118.2	114.5	121.4	119.2	89.9	118.5	115.2	107.0	110.8	116.2	108.6
With cargo	85.4	92.3	92.1	83.4	85.9	89.9	100.2	43.7	50.6	57.6	47.1	52.7	47.8	45.4
South Atlantic Coast	28.1	48.0	65.3	83.8	88.2	77.6	85.8	31.3	46.0	60.1	82.7	63.3	70.3	80.5
With cargo	27.1	33.8	41.9	42.7	44.3	44.0	47.4	11.9	14.3	22.4	24.8	25.6	25.9	28.1
Gulf Coast	38.1	59.1	172.7	138.5	127.4	146.6	162.7	42.8	98.1	175.0	144.6	134.9	153.1	167.3
With cargo	23.0	40.8	122.8	91.5	84.8	103.1	112.6	36.8	54.2	85.0	79.1	73.5	73.4	83.0
South Pacific Coast	27.5	38.4	53.3	60.9	66.4	66.1	67.6	27.7	41.2	45.1	58.6	59.4	60.8	63.5
With cargo	21.8	32.4	38.0	41.0	44.0	45.2	45.4	20.9	24.0	31.7	44.9	45.0	44.3	49.7
North Pacific Coast	24.9	36.8	50.6	49.5	50.0	51.4	56.9	24.3	33.8	60.3	64.8	66.7	65.8	73.5
With cargo	19.6	21.1	26.6	22.1	23.7	27.6	27.3	19.0	24.5	49.0	54.7	55.0	54.1	62.9
Great Lakes	27.5	28.8	31.1	30.1	26.3	25.4	26.4	27.2	29.4	31.5	30.0	28.1	25.1	26.9
With cargo	15.2	14.0	11.3	13.5	11.8	11.7	11.6	20.2	21.2	23.7	23.1	20.7	19.8	20.5

Source: U.S. Bureau of the Census, *Vessel Entrances and Clearances*, FT 975, annual.

NO. 1065. DOMESTIC MERCHANT VESSELS COMPLETED BY U.S. SHIPYARDS: 1970 TO 1986

[Vessels of 1,000 gross tons and over. See also *Historical Statistics, Colonial Times to 1970*, series Q 438-448]

TYPE	Unit	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
merchant vessels	Number	13	15	17	14	15	10	12	11	13	5	5	5
Gross tons	1,000	342	452	584	612	1,149	375	275	337	378	118	172	215
Deadweight tons	1,000	6	3	2	2	4	6	2	5	5	—	4	2
With cargo	1,000	120	65	25	27	53	106	53	221	228	—	13	66
Deadweight tons	1,000	134	71	37	30	47	114	73	219	218	—	97	59
Without cargo	Number	7	12	15	12	11	4	10	5	7	5	4	3
Gross tons	1,000	222	387	659	666	1,096	270	222	116	148	118	59	149
Deadweight tons	1,000	427	742	1,585	1,382	1,901	354	258	226	277	210	62	271

Represents zero.

Source: U.S. Maritime Administration, *New Ship Construction*, annual.

NO. 1060. FREIGHT CARRIED ON INLAND WATERWAYS, BY SYSTEM: 1960 TO 1986

[In billions of ton-miles. Excludes Alaska and Hawaii, except as noted. Includes waterways, canals, and connecting channels]

SYSTEM	1960	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total	220.3	318.8	368.3	406.3	424.8	408.9	410.2	361.2	368.0	368.0	361.7	362.6
Atlantic coast waterways	28.6	28.6	30.4	30.5	31.9	30.4	28.3	25.4	22.5	24.7	24.8	25.6
Gulf coast waterways	18.0	26.6	37.6	37.1	38.1	36.6	35.1	31.8	32.4	36.7	36.5	39.0
Pacific coast waterways ¹	6.0	5.4	12.8	13.6	14.1	14.9	14.4	12.6	13.2	20.5	19.9	20.8
Mississippi River system ²	69.3	138.5	195.9	209.3	218.6	228.9	234.4	218.0	223.0	234.6	224.7	236.3
Great Lakes System ²	98.5	114.5	90.7	118.9	121.7	98.0	96.0	63.2	67.9	62.5	75.8	67.9

¹Includes Alaskan waterways. ²Comprises main channels and all tributaries of the Mississippi, Illinois, Missouri, and Ohio Rivers. ³Does not include traffic between foreign ports.

Source: U.S. Army Corps of Engineers, *Waterborne Commerce of the United States*, annual.

NO. 1061. WATERBORNE IMPORTS AND EXPORTS—CARGO TONNAGE AND VALUE, BY COASTAL DISTRICT: 1970 TO 1987

[Exports are free alongside ship (f.a.s.) value for all years; imports are f.a.s. value for 1975 and 1980 and customs value for other years see text, section 29. Includes commodities classified for security reasons as "Special Category" (imports only) and exports by Dept. of Defense (grant-aid shipments), and merchandise shipped in transit through the U.S. See Appendix III]

DISTRICT	CARGO TONNAGE (mil. sh. tons)							VALUE (bil. dol.)						
	1970	1975	1980	1984	1985	1986	1987	1970	1975	1980	1984	1985	1986	1987
Imports:														
Atlantic	219	232	183	197	190	216	224	15.0	34.7	71.5	92.6	94.4	97.5	105.8
Gulf	47	134	243	155	141	171	184	2.9	14.3	55.4	35.7	32.8	27.0	30.5
Pacific	31	64	56	47	51	53	56	5.5	15.2	45.0	70.6	90.4	104.0	118.4
Great Lakes	26	22	16	16	17	14	14	1.3	1.7	1.9	2.7	2.8	2.3	2.0
Exports:														
Atlantic	79	60	117	82	98	83	78	11.9	29.7	51.0	37.5	36.2	36.3	38.7
Gulf	78	108	163	187	144	195	155	6.9	21.4	41.5	37.3	31.8	29.0	31.9
Pacific	48	48	76	66	61	62	95	4.1	10.0	25.2	27.2	25.8	28.3	31.9
Great Lakes	36	35	45	41	34	32	32	1.4	2.8	4.6	3.4	2.4	1.9	2.1

Source: U.S. Bureau of the Census, *U.S. Waterborne Exports and General Imports*, FT 965, annual.

NO. 1062. DOMESTIC AND FOREIGN WATERBORNE COMMERCE, BY TYPE OF COMMODITY: 1970 TO 1986

[In millions of short tons. Domestic trade includes all commercial movements between U.S. ports and on inland rivers, Great Lakes, canals, and connecting channels of U.S., Puerto Rico, and Virgin Islands. Figures may differ from those shown in table 1061 due to minor differences in basic concepts]

COMMODITY	1970		1980		1989		1986			
	Total	Domestic	Total	Domestic	Total	Domestic	Total	Domestic	Foreign	
									Imports	Exports
Net total	1,531.7	986.7	1,986.9	1,877.5	1,786.4	1,814.1	1,874.4	1,887.2	496.1	361.2
Petroleum products ¹	394.7	267.3	423.2	339.2	388.8	289.0	402.7	270.6	91.7	40.4
Gasoline	69.3	68.7	67.3	61.0	64.0	76.0	66.0	76.9	17.2	1.9
Distillate fuel oil	76.8	76.9	74.8	72.1	70.0	66.0	76.1	69.6	12.6	5.9
Residual fuel oil	170.5	78.8	168.0	141.3	130.0	63.7	142.6	66.9	43.8	9.9
Crude petroleum	210.5	116.3	480.2	174.2	357.7	194.7	412.9	198.2	216.7	-
Coal and lignite	225.4	154.1	256.4	184.1	273.9	179.9	263.9	199.7	1.9	66.3
Nonmetallic minerals ^{1,2}	169.6	132.6	157.1	111.6	150.7	108.5	149.9	108.1	22.0	19.9
Sand and gravel ³	78.4	73.9	66.1	60.6	68.4	62.0	66.0	63.6	2.9	1.5
Limestone	42.0	34.1	34.2	23.9	24.6	21.9	25.0	21.6	7	2.7
Phosphate rock	16.6	5.8	23.7	9.5	19.4	8.4	16.5	7.9	.5	8.1
Iron and concentrates	129.3	75.2	98.4	84.9	72.7	50.0	67.0	43.7	18.3	5.0
Farm products ¹	90.4	26.5	216.8	63.4	172.8	80.0	152.7	54.9	6.5	91.6
Corn	27.2	11.7	69.8	30.6	76.3	29.0	50.1	21.1	1	28.9
Wheat	25.0	5.6	53.4	14.3	36.0	10.6	37.4	10.2	1	27.0
Soybeans	21.2	8.3	39.6	16.1	32.9	14.9	41.0	18.1	-	23.0
Chemicals and allied products	62.0	39.7	91.9	49.4	108.5	63.3	113.3	67.9	28.8	39.8
Food and kindred products	35.0	11.0	54.8	20.4	52.5	17.6	68.1	20.0	13.4	24.6
Lumber and wood products ⁴	49.9	27.3	52.0	22.7	47.2	18.6	51.3	22.6	4.9	23.6
Primary metal products	42.4	10.8	26.9	9.0	33.4	8.5	30.3	8.4	20.5	1.4
Waste and scrap	25.9	18.0	31.1	18.8	37.4	23.9	38.0	23.1	7	15.2
Other	99.7	51.9	108.1	39.8	112.8	40.0	113.3	34.9	62.9	15.6

- Represents zero. ¹Includes categories not shown separately. ²Excludes fuels. ³Includes crushed rock.⁴Excludes furniture.Source: U.S. Army Corps of Engineers, *Waterborne Commerce of the United States*, annual.

Vessels Entered and Cleared in Foreign Trade—Vessels Completed 515

No. 1082. VESSELS ENTERED AND CLEARED IN FOREIGN TRADE—NET REGISTERED TONNAGE, BY FLAG OF DOMESTIC VESSEL, 1967 TO 1987

(In millions of net tons, except as indicated. Includes Puerto Rico and Virgin Islands. Figures complete as of 12/31 except for latest year. See also Historical Statistics, Colonial Times to 1970 series D-387-D-371)

VESSEL ENTERED IN 1967	U.S. VESSELS					FOREIGN VESSELS				
	Tonnage of vessels					Tonnage of vessels				
	Number of vessels	Total	U.S.	Foreign	Other	Total	U.S.	Foreign	Other	Other
Entered:										
1967-1985	48,670	180	30	17.9	10	10	10	10	10	10
1968-1970	52,415	232	30	12.5	10	10	10	10	10	10
1971-1975	52,700	270	30	12.5	10	10	10	10	10	10
1976-1980	52,700	430	30	12.5	10	10	10	10	10	10
1981-1985	52,700	430	30	12.5	10	10	10	10	10	10
1970	52,700	254	30	12.5	10	10	10	10	10	10
1975	52,700	254	30	12.5	10	10	10	10	10	10
1980	52,700	430	30	12.5	10	10	10	10	10	10
1984	52,700	430	30	12.5	10	10	10	10	10	10
1985	52,700	430	30	12.5	10	10	10	10	10	10
1986	52,700	430	30	12.5	10	10	10	10	10	10
1987	52,700	430	30	12.5	10	10	10	10	10	10
Cleared:										
1967-1985	48,670	180	30	17.9	10	10	10	10	10	10
1968-1970	52,415	232	30	12.5	10	10	10	10	10	10
1971-1975	52,700	270	30	12.5	10	10	10	10	10	10
1976-1980	52,700	430	30	12.5	10	10	10	10	10	10
1981-1985	52,700	430	30	12.5	10	10	10	10	10	10
1970	52,700	254	30	12.5	10	10	10	10	10	10
1975	52,700	254	30	12.5	10	10	10	10	10	10
1980	52,700	430	30	12.5	10	10	10	10	10	10
1984	52,700	430	30	12.5	10	10	10	10	10	10
1985	52,700	430	30	12.5	10	10	10	10	10	10
1986	52,700	430	30	12.5	10	10	10	10	10	10
1987	52,700	430	30	12.5	10	10	10	10	10	10

Source: U.S. Bureau of the Census, *Foreign Commerce and Navigation of the United States: Vessels, Imports and Clearances*, FT 875, annual.

No. 1084. VESSELS ENTERED AND CLEARED IN FOREIGN TRADE—NET REGISTERED TONNAGE, BY COASTAL DISTRICTS: 1970 TO 1987

(In millions of net tons. Excludes domestic trade. Virgin Islands and Puerto Rico included in South Atlantic Coast. Hawaii in South Pacific Coast. Alaska in North Pacific Coast)

COASTAL DISTRICT	VESSELS ENTERED							VESSELS CLEARED						
	1970	1975	1980	1984	1986	1986	1987	1970	1975	1980	1984	1986	1986	1987
North Atlantic Coast	102.1	114.2	118.8	116.2	114.5	21.4	119.2	98.9	118.6	113.2	107.0	110.8	116.2	109.9
With cargo	85.4	92.3	82.1	83.4	85.9	88.9	100.2	43.7	50.6	57.6	47.1	56.7	47.9	48.1
South Atlantic Coast	38.1	48.0	65.3	63.8	68.2	77.6	85.8	31.3	48.0	60.1	60.7	65.3	73.2	80.2
With cargo	27.1	33.8	41.9	42.7	44.3	44.0	47.4	11.9	14.3	16.4	16.6	17.8	19.8	20.1
Gulf Coast	36.1	60.1	172.7	138.5	127.4	146.6	162.7	42.8	60.1	179.0	144.6	134.6	153.1	161.2
With cargo	23.0	60.8	122.8	91.5	84.8	103.1	112.6	36.8	64.8	166.0	141.1	133.1	154.1	161.2
South Pacific Coast	27.5	30.4	53.3	40.9	45.4	68.1	67.6	27.7	43.2	45.1	38.9	36.4	40.9	43.1
With cargo	21.8	32.4	38.0	41.0	44.0	45.2	45.4	20.8	34.0	31.7	24.8	24.0	24.3	26.1
North Pacific Coast	24.9	36.8	50.6	49.5	50.0	51.4	56.9	24.3	35.8	40.3	34.9	36.1	40.9	43.1
With cargo	13.8	21.1	26.8	22.1	23.7	27.8	27.3	18.0	24.8	28.0	24.7	26.0	24.1	26.0
Great Lakes	27.5	28.8	31.1	30.1	26.3	25.4	26.4	27.2	26.4	31.8	35.0	26.1	26.1	26.2
With cargo	15.2	14.0	11.3	13.5	11.8	11.7	11.6	20.2	21.2	25.1	29.1	25.1	19.8	22.2

Source: U.S. Bureau of the Census, *Vessel Entrances and Clearances*, FT 875, annual.

No. 1085. DOMESTIC MERCHANT VESSELS COMPLETED BY U.S. SHIPYARDS: 1970 TO 1986

(Vessels of 1,000 gross tons and over. See also Historical Statistics, Colonial Times to 1970 series D-438-D-440)

TYPE	Unit	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Merchant vessels	Number	13	16	17	14	16	10	12	11	13	5	6	8
Gross tons	1,000	342	452	664	912	1,148	376	376	237	376	116	173	214
Cargo	Number	6	3	2	2	4	6	8	6	6	6	4	6
Gross tons	1,000	120	65	25	27	53	106	63	221	220	112	96	96
Deadweight tons	1,000	134	71	37	30	47	114	73	218	218	87	73	73
Tankers	Number	7	12	15	12	11	4	10	6	7	6	4	3
Gross tons	1,000	222	387	658	886	1,098	270	222	116	146	118	99	148
Deadweight tons	1,000	427	742	1,565	1,268	1,901	364	366	226	277	210	92	271

- Represents zero.

Source: U.S. Maritime Administration, *New Ship Construction*, annual.

**NO. 1066. UNITED STATES FLAG MERCHANT VESSELS—NUMBER AND VESSEL DEADWEIGHT
TONNAGE: 1970 TO 1987**

[Deadweight tonnage in thousands. As of end of fiscal year; see text, section 9. Covers coastgoing vessels of 1,000 gross tons and over engaged in foreign and domestic trade, and inactive vessels. Excludes special types such as tugs, barges, cable ships, fishing trawlers, and vessels employed on Great Lakes. See also *Historical Statistics, Colonial Times to 1970*, series Q 467-502]

ITEM	CARGO ¹						TANKER					
	1970	1975	1980	1985	1990	1987	1970	1975	1980	1985	1986	1987
Number of vessels	1,479	612	583	486	484	470	301	279	316	263	264	264
Active:												
Foreign trade	354	228	195	129	123	97	32	39	32	32	33	36
Domestic trade ²	70	49	46	36	37	40	175	166	211	126	131	130
Coastwise ³	10	17	12	4	6	11	132	136	103	24	86	81
Noncontiguous	43	29	34	30	29	29	36	12	45	52	43	49
Special service	146	34	44	45	41	37	42	26	23	20	20	25
Inactive:												
Temporarily	41	26	31	58	55	60	22	31	24	50	42	38
Reserve fleet	866	263	237	217	226	236	30	27	20	20	22	23
Vessel deadweight tonnage	15,448	8,175	7,972	8,792	9,108	9,046	7,836	9,433	16,167	16,647	16,363	16,974
Active:												
Foreign trade	4,699	3,901	3,826	3,623	3,468	2,528	1,076	2,303	2,793	1,825	2,007	2,174
Domestic trade ²	850	832	713	659	775	681	4,516	4,656	10,546	8,908	8,699	8,700
Coastwise ³	116	354	200	106	226	340	3,483	4,299	3,078	1,026	3,831	3,386
Noncontiguous	482	424	479	509	549	541	870	339	3,899	5,534	5,068	5,314
Special service	1,741	459	560	632	680	796	1,189	756	661	747	745	744
Inactive:												
Temporarily	472	541	461	1,189	1,204	1,746	691	1,173	1,806	3,758	3,474	3,530
Reserve fleet	7,664	2,442	2,322	2,409	2,799	3,067	361	347	301	406	468	665

¹ Includes combination passenger and cargo vessels, not shown separately. ² Prior to 1968 includes intercoastal, not shown separately. ³ Beginning 1966, includes intercoastal.

Source: U.S. Maritime Administration, *Employment Report of the United States Flag Merchant Fleet Ocean-going Vessels 1,000 Gross Tons and Over*, annual.

NO. 1067. PRIVATE SHIPYARDS—SUMMARY: 1970 TO 1988

[For calendar year, unless noted. See also *Historical Statistics, Colonial Times to 1970*, series Q 449-458 and series Q 467-472]

ITEM	Unit	1970	1975	1980	1982	1983	1984	1985	1986	1987	1988
Employment	1,000	133.4	133.4	171.3	130.8	143.0	142.0	130.3	120.6	113.8	¹ 113.8
Production workers	1,000	108.5	133.4	141.8	130.8	112.0	111.0	99.0	90.3	85.4	¹ 85.4
Value of work done	Mil. dol.	2,662	5,615	6,299	10,979	9,883	8,944	9,358	8,840	(NA)	(NA)
On ships only	Mil. dol.	2,594	5,513	6,089	10,696	9,107	8,308	8,483	8,813	(NA)	(NA)
Value added	Mil. dol.	1,616	2,923	6,396	6,366	5,762	5,206	5,740	5,426	(NA)	(NA)
Building activity											
Merchant vessels: ²											
Under construction ³	Number	49	66	69	35	21	10	10	7	6	-
Ordered	Number	13	14	7	3	4	5	-	-	-	-
Delivered	Number	13	19	23	17	15	5	3	1	4	-
Cancelled	Number	-	12	4	-	-	-	-	-	2	-
Under contract ⁴	Number	40	79	46	21	10	10	7	6	-	-
Naval vessels: ²											
Under construction ³	Number	108	63	99	93	105	111	100	66	79	84
Ordered	Number	6	16	11	30	27	11	11	16	20	(NA)
Delivered	Number	32	3	16	18	21	22	26	20	15	(NA)
Under contract ⁴	Number	62	76	91	105	111	100	66	³ 78	64	(NA)
Repairs/conversions:											
Commercial ships	Mil. dol.	451	666	1,236	1,582	1,419	1,631	652	847	(NA)	(NA)
Naval ships	Mil. dol.	359	554	1,134	1,671	1,669	1,641	2,311	2,008	(NA)	(NA)
Unfinished work: ²											
Commercial ships	Mil. dol.	795	4,350	2,070	838	372	100	450	315	53	-
Naval ships	Mil. dol.	1,719	5,424	7,107	8,025	12,200	14,003	12,091	9,595	8,265	10,500

- Represents zero. NA Not available. ¹ Estimate as of June. ² Vessels of 1,000 tons or larger. ³ As of Jan. 1

⁴ As of Dec. 31. ⁵ Two ships were cancelled during 1988.

Source: Shipbuilders Council of America, Washington, DC, *Annual Report*.

NO. 1068. EMPLOYMENT IN SHIPBUILDING AND PRIVATE SHIPYARDS: 1966 TO 1967¹

[In thousands. Annual average employment in establishments primarily engaged in building and repairing of boats, yachts, barges, coast boats, and lighters of 2 gross tons and over, whether operated by and in public service, or owned by other craft facilities of 100 and over gross tonnage]

YEAR	1966	1967	YEAR	1966	1967
1966	200	12	1966	200	12
1967	210	13	1967	210	13
1968	215	14	1968	215	14
1969	220	15	1969	220	15
1970	225	16	1970	225	16

Source: U.S. Bureau of Labor Statistics, Employment and Earnings, monthly and supplemental data.

NO. 1069. EMPLOYMENT ON U.S. FLAG MERCHANT VESSELS: 1970 TO 1967, AND BASIC MONTHLY (LIBRARY) WAGE SCALE FOR AMERICAN SEAMEN: 1970 TO 1968

[Employment in thousands. See also American Statistics, January 1968, series Q 473-474]

YEAR	EMPLOYMENT	YEAR	EMPLOYMENT	YEAR	EMPLOYMENT	YEAR	EMPLOYMENT
1970	37.8	1969	38.7	1971	39.7	1968	37.8
1975	26.5	1968	35.3	1975	26.5	1968	35.3
1976	19.9	1967	33.7	1976	19.9	1967	33.7
1977	19.7	1966	32.1	1977	19.7	1966	32.1
1980	19.6	1965	31.5	1980	19.6	1965	31.5
1981	19.3	1964	30.4	1981	19.3	1964	30.4

¹ As of June 30, except beginning 1971, as of Sept. 30. Estimates of personnel employed on merchant ships, 1971 gross tonnage and over. Excludes vessels on inland waterways, Great Lakes, and those owned by, or operated for, U.S. Army and Navy, and special types such as cable ships, tug, etc. ² Basic monthly wage, over and above subsistence board and mess, includes overtime and fringe pay benefits. West coast seamen receive extra pay for Saturdays and Sundays at sea rate base wages but east coast does not.

Source: U.S. Maritime Administration, U.S. Merchant Marine Data Sheet, monthly and supplemental data.

NO. 1070. WORLDWIDE TANKER CASUALTIES: 1975 TO 1968

[Data for 1975-1982 covers tankers, oil/oil carriers and bulk/oil vessels of 4,000 deadweight tons and over (beginning 1983, 10,000 deadweight tons and over, exclusive liquid gas carriers. Incident is counted in the year it is reported. Based on data from "Lloyd's List" published by Lloyd's of London. "Casualties" include weather damage, collisions, collisions and other contact, fire and explosions, machinery damage, and other mishaps]

ITEM	Unit	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Casualties	Number	308	344	344	344	344	344	344	344	344	344	344	344	344	344
Total losses ²	Number	22	26	15	21	21	11	14	14	14	14	14	14	14	14
Deaths	Number	80	306	130	73	72	14	66	30	26	26	26	26	26	26
Oil spills	Number	45	65	32	33	9	17	15	9	9	9	9	9	9	9
Amount	1,000 tons	168.0	723.5	133.5	45.3	1.8	367.8	30.4	78.8	5.1	5.1	5.1	5.1	5.1	5.1

NA Not available. ¹ Jan.-June. ² Excludes losses due to hostilities.

Source: Tanker Advisory Center, Inc., New York, NY, "Worldwide Tanker Casualty Reports," quarterly.

NO. 1071. MERCHANT VESSELS—WORLD AND UNITED STATES: 1960 TO 1967

[Vessels of 100 gross tonnage and above. Excludes sailing ships, nonpropelled craft, and all ships built of wood. See also Historical Statistics, Colonial Times to 1870, series Q 473-480]

YEAR	WORLD: COMPLETED		WORLD: OWNED		U.S. COMPLETED		U.S. OWNED (1967)	
	Number	Gross tonnage (1,000)	Number	Gross tonnage (1,000)	Number	Gross tonnage (1,000)	Number	Gross tonnage (1,000)
1960	2,006	8,362	34,311	129,770	48	379	4,006	44,881
1965	2,202	11,783	41,885	180,382	116	376	8,416	41,587
1970	2,814	20,980	52,444	227,480	188	876	7,863	18,008
1980	2,412	13,101	73,832	418,911	308	388	8,875	18,084
1982	2,312	16,820	75,151	484,742	304	316	8,183	18,111
1983	2,276	15,911	78,108	422,880	188	381	8,437	18,398
1984	2,210	18,304	78,088	418,882	73	84	8,441	18,388
1985	1,984	18,157	78,386	418,288	86	180	8,447	18,318
1986	1,834	18,845	78,288	404,910	38	288	8,488	18,301
1987	1,538	12,259	76,840	402,488	38	184	8,427	18,178

Source: Lloyd's Register of Shipping, London, England, Statistical Tables, annual, and Annual Summary of Merchant Ships Completed in the World.

No. 1072. MERCHANT VESSELS—SHIPS AND TONNAGE LOST WORLDWIDE, BY TYPE OF SHIP:
1980 TO 1980

[For merchant vessels of 100 gross tonnage and above. Excludes ships which have been declared constructive losses but have undergone repair during the year. Loss counted in the year the casualty occurred, providing that information available at time of relevant publication]

TYPE OF SHIP	SHIPS LOST					GROSS TONNAGE LOST (1,000)				
	1980	1984	1989	1983		1980	1984	1989	1983	
				Total	Percent of total				Total	Percent of total
Total ¹	387	387	387	386	100.0	1,884	2,354	1,851	2,809	100.0
Tankers.....	24	25	19	23	8.7	707	1,542	776	1,365	53.1
Ore/bulk carriers ²	21	17	22	20	7.5	458	271	405	757	29.0
General cargo.....	211	178	155	128	48.3	478	401	363	341	13.1
Container ships.....	2	3	5	2	.8	6	34	41	15	.6
Passenger ³	9	2	-	2	.8	112	17	-	37	1.4
Fishing	98	73	66	44	16.6	30	33	28	16	.6

- Represents zero. ¹ Includes types not shown separately. ² Includes ore/bulk/oil carriers. ³ Includes passenger cargo ships.

Source: Lloyd's Register of Shipping, London, England, *Casualty Return*, annual.

No. 1073. MERCHANT FLEETS OF THE WORLD: 1980 TO 1986

[Vessels of 1,000 gross tons and over. As of Jan. 1 of the following year. Specified countries have 100 or more ships]

YEAR AND COUNTRY OF REGISTRY, 1980	TOTAL		PASSENGER/ CARGO COMB.		FREIGHTERS		BULK CARRIERS ¹		TANKERS	
	Num- ber	Avg. age (yr.)	Num- ber	Avg. age (yr.)	Num- ber	Avg. age (yr.)	Num- ber	Avg. age (yr.)	Num- ber	Avg. age (yr.)
1980, world total	24,887	13	488	24	14,342	14	4,798	19	5,399	12
United States.....	684	23	66	34	471	23	20	22	308	20
Foreign	24,003	13	403	22	13,771	13	4,778	10	5,051	11
1985, world total	25,586	14	375	25	13,937	15	5,787	11	5,486	13
United States.....	737	23	37	38	417	25	25	9	258	19
Foreign	24,819	14	285	23	13,520	15	5,762	11	5,199	13
1986, world total	23,818	14	352	25	12,798	14	5,461	11	4,999	13
United States.....	720	23	36	39	411	25	28	10	247	18
Privately owned.....	458	17	9	30	197	16	28	10	225	17
Government-owned	264	33	28	42	214	32	-	(X)	22	31
Foreign	22,898	13	316	23	12,375	14	5,455	11	4,752	13
Argentina.....	153	16	-	(X)	66	17	19	12	49	16
Bahamas, The	222	11	12	16	77	11	42	9	91	11
Brazil.....	333	14	3	26	154	17	83	7	83	14
British Colonies	543	12	3	20	208	14	240	10	92	13
Bulgaria	119	15	4	13	51	16	47	13	17	17
China: Mainland.....	1,076	17	12	25	728	16	196	14	140	16
Taiwan.....	194	12	1	16	122	12	54	10	17	14
Cuba.....	108	15	2	30	92	15	9	17	13	15
Cyprus.....	904	15	5	31	527	15	250	14	122	15
Denmark.....	239	8	3	23	149	8	11	7	78	9
East Germany.....	158	14	1	8	133	14	20	15	4	8
Egypt.....	135	17	9	26	100	17	18	7	10	29
France.....	227	11	7	10	125	11	28	8	67	13
Greece.....	1,270	15	30	32	426	17	594	12	220	15
Honduras.....	119	24	-	(X)	99	25	11	26	19	21
India.....	322	13	5	22	147	15	111	13	59	8
Indonesia.....	316	17	6	12	214	19	11	7	85	14
Iran.....	119	12	-	(X)	39	15	54	8	25	13
Italy.....	516	17	9	27	204	15	91	16	212	16
Japan.....	1,437	8	8	12	605	8	443	9	363	8
Liberia.....	1,550	11	10	16	318	12	617	11	605	11
Malaysia.....	167	14	1	34	105	16	21	11	40	11
Malta.....	151	20	2	54	88	19	51	19	10	19
Netherlands.....	437	8	4	10	345	8	20	7	88	8
Norway.....	279	10	22	20	100	11	58	8	101	9
Panama.....	3,278	12	33	30	1,770	13	920	10	555	11
Philippines.....	486	13	13	27	200	15	227	8	46	21
Poland.....	268	13	2	23	163	14	92	12	9	12
Romania.....	282	11	-	(X)	208	11	88	10	8	12
Saudi Arabia.....	134	19	3	26	54	21	12	16	65	17
Singapore.....	416	12	1	38	224	14	91	10	100	12
South Korea.....	455	14	-	(X)	224	14	161	15	70	13
Soviet Union.....	2,453	16	50	21	1,759	17	229	11	415	16
Spain.....	418	11	-	(X)	262	11	67	11	89	14
Sweden.....	181	11	2	24	105	11	16	12	58	12
Thailand.....	100	20	-	(X)	73	21	3	17	24	19
Turkey.....	324	13	6	33	206	12	92	15	50	15
United Kingdom.....	365	12	13	17	151	12	73	11	153	13
West Germany.....	448	9	6	9	352	5	16	5	74	8
Yugoslavia.....	264	15	4	28	177	16	72	13	11	14
All others.....	1,907	13	26	23	1,225	14	244	11	412	13

- Represents zero. X Not applicable. ¹ Includes bulk/oil, ore/oil, and ore/bulk/oil carriers.

Source: U.S. Maritime Administration, *A Statistical Analysis of the World's Merchant Fleets*, annual.



Section 23

Agriculture

This section presents statistics on farms and farm population; land use and irrigation; farm cooperatives; farm income, expenditures, and debt; farm output, productivity, and marketings; foreign trade in agricultural products; specific crops; and livestock, poultry, and their products.

The principal sources are the reports issued by the U.S. Bureau of the Census and by the National Agricultural Statistics Service (NASS) and the Economic Research Service (ERS) of the U.S. Department of Agriculture. The Bureau of the Census has taken a census of agriculture every 10 years from 1840 to 1920 and every 5 years from 1925 through 1974. Two 4-year censuses, taken for 1978 and 1982, adjusted the data reference year to coincide with the economic censuses for 1982. The 1982 Census of Agriculture is the most recent census for which reports are presently available. The Department of Agriculture publishes annually *Agricultural Statistics*, a general reference book on agricultural production, supplies, consumption, facilities, costs, and returns. The Economic Research Service publishes a series of annual reports, *Economic Indicators of the Farm Sector*. This series comprises five reports: *National Financial Summary*, *State Financial Summary*, *Production and Efficiency Statistics*, *Costs of Production*, and *Farm Sector Review*. Sources of current data on agricultural exports and imports include *Foreign Agricultural Trade of the United States*, published by the ERS, and the reports of the Bureau of the Census, particularly *U.S. General Imports, Schedule A, Commodity by Country*, and *U.S. Exports, Schedule B, Commodity by Country*.

The 44 field offices of the NASS collect data on crops, livestock and products, agricultural prices, farm employment, and other related subjects mainly through sample surveys. Information is obtained on some 75 crops and 50 livestock items as well as scores of items pertaining to agricultural production and marketing. State estimates and supporting information are sent to the Agricultural Statistics Board of NASS which reviews the estimates and issues reports containing State and national data. Among these reports are annual summaries such as *Crop Production*, *Crop Values*, *Agricultural Prices*, and *Livestock Production, Disposition and Income*.

Farms and farmland.—Over time, the Bureau of the Census has used varying definitions of a farm. Data from the census of agriculture reflect the changes in definition since figures are presented for "farms" as defined during the years indicated. For the 1974, 1978, and 1982 Censuses of Agriculture, a farm was defined as any place from which \$1,000 or more of agricultural products were sold, or normally would have been sold during the census year. Control may have been exercised through ownership or management, or through a lease, rental, or cropping arrangement. In the case of landowners who had one or more tenants, or renters, the land operated by each was counted as a separate farm. The effect of the change in definition must be considered when comparing farms in the 1974, 1978, and 1982 censuses with those in previous censuses. In the 1969 census, as well as the 1959 and 1964 censuses, places of less than 10 acres were counted as farms if estimated sales of agricultural products for the year amounted to at least \$250, and places of 10 or more acres if such sales amounted to at least \$50.

Unless otherwise stated in the specific tables of this section, the definition of a farm applicable to data originated by the Department of Agriculture is the one used by the Bureau of the Census for the agriculture census immediately preceding the year or years for which the data are shown.

Farmland refers to all land under the control of a farm operator, including land not actually under cultivation or not used for pasture or grazing. Land used for pasture or grazing on a per head basis that was neither owned nor leased by a farm operator is not included except for grazing lands controlled by grazing associations leased on a per acre basis.

Coverage estimates for 1978 and 1982 indicate about 3.4 and 9.1 percent of all farms, respectively, were not included in census totals. Farms undercounted in the census were usually small and accounted for approximately 2 percent of the total value of agricultural products sold and approximately 2 percent of the land in farms. For more explanation about data comparability, see Ap-

pendixes A and C, *1982 Census of Agriculture*, volume 1 reports and *Coverage Evaluation, Volume 2, Part 2*.

Farm population.—Farm population consists of all persons living on farms in rural areas. Farm population data shown for 1960 to 1975 are based on the definition of a farm used for the 1969 Census of Agriculture. Farm population data for 1978 to 1983 are shown on the basis of both the 1969 and 1974 census farm definitions and are so indicated. Beginning in 1984, farm population data are based only on the 1974 census farm definition.

Farm income.—Gross farm income comprises cash receipts from farm marketings of crops and livestock, Federal government payments made directly to farmers for farm-related activities, rental value of farm homes, value of farm products consumed in farm homes, and other farm-related income such as machine hire and custom work. Farm marketings represent agricultural products sold by farmers multiplied by prices received per unit of production at the local market.

Information on prices received for farm products is generally obtained by the NASS Agricultural Statistics Board from surveys of firms (such as grain elevators, packers, and processors) purchasing agricultural commodities directly from producers. In some cases, the price information is obtained directly from the producers.

Crops.—Estimates of crop acreage and production by the NASS are based on current sample survey data obtained from individual producers and objective yield counts, reports of carlot shipments, market records, personal field observations by field statisticians, and reports from other sources. Cotton acreage and production are based on sample survey data and on ginning information gathered by the Bureau of the Census.

Prices received by farmers are marketing year averages. These averages are based on U.S. monthly prices weighted by monthly marketings during specific periods. U.S. monthly prices are State average prices weighted by marketings during the month. Marketing year average prices do not include allowances for outstanding loans, government purchases, deficiency payments or disaster payments.

All State prices are based on individual State marketing years, while U.S. marketing year averages are based on standard marketing years for each crop. For a listing of the crop marketing years and the participating States in the monthly program, see *Crop Values*, January 1988. Value of production is computed by multiplying State prices by each State's production. The U.S. value of production is the sum of State values for all States. Value of production figures shown in tables 1121 and 1124-1132 should not be confused with cash receipts from farm marketings which relate to sales during a calendar year, irrespective of the year of production.

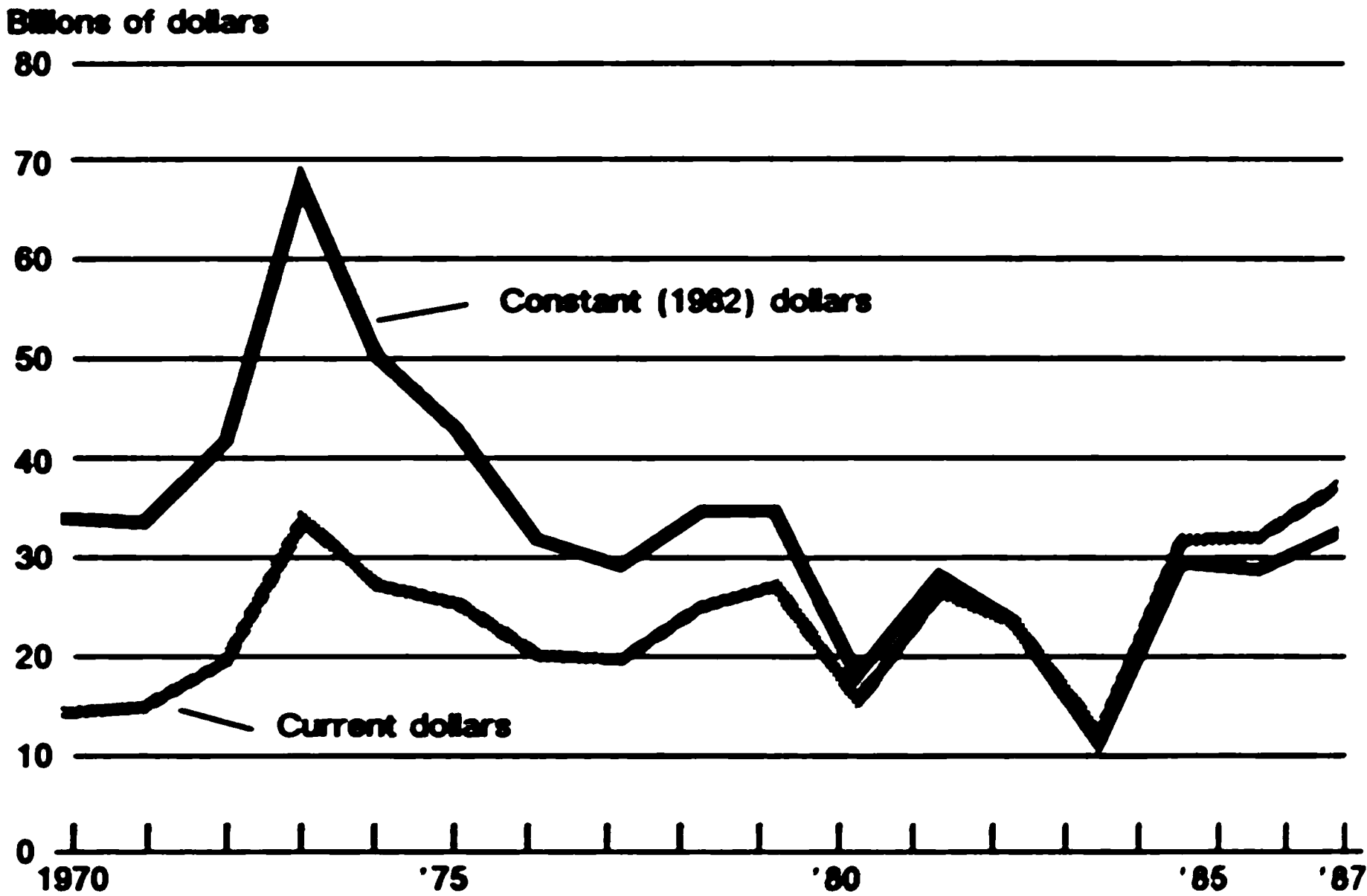
Price supports.—Agricultural income is supplemented through two basic Government-support mechanisms available to producers of eligible commodities: (1) *a market price support* (loan rate) through which producers may place any portion of their production in approved storage and receive a loan at a specified rate. The farmer may repay the loan with interest and retain the commodity or, at the end of the loan period, forfeit the commodity as full payment of the loan; (2) *a farm income support* (target price) whose payments vary inversely with the market price of the specified commodity. "Deficiency payments" are made when market prices for a specified period are below the target prices. The payment rate is the difference between the target price and market price, or between the target price and loan rate, whichever is smaller.

Livestock.—Annual inventory numbers of livestock and estimates of livestock, dairy, and poultry production prepared by the Department of Agriculture are based on information from farmers and ranchers obtained by probability survey sampling methods.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability pertaining to Census Bureau and Department of Agriculture data, see Appendix III.

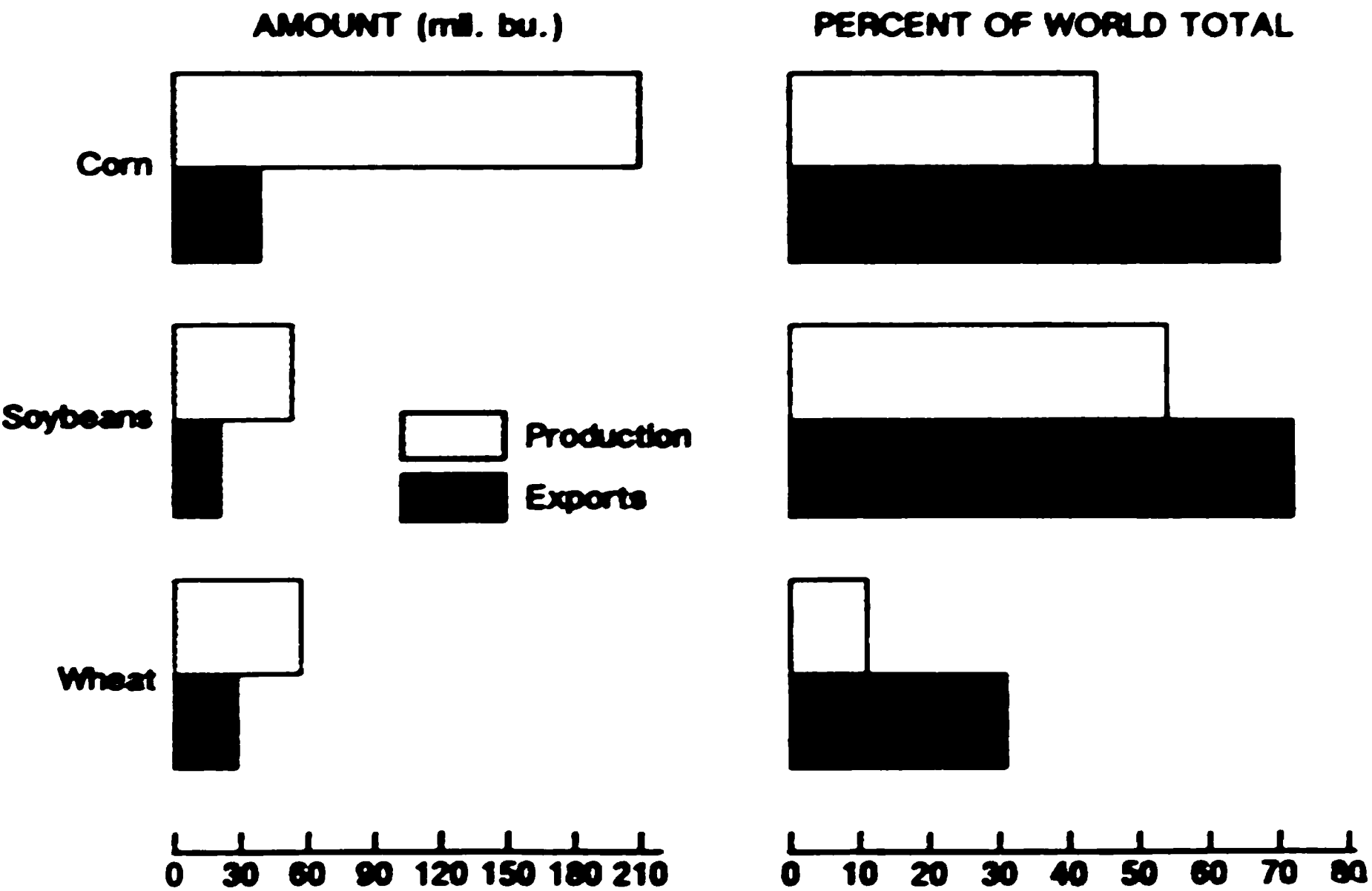
Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

Figure 23.1
Net Income of Farm Operators From Farming: 1970 to 1987



Source: Chart prepared by U.S. Bureau of the Census. For data see table 1095.

Figure 23.2
Corn, Soybeans, and Wheat—U.S. Production and Exports: 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 1115.

No. 1074. FOOD AND FIBER SECTOR OF DOMESTIC ECONOMY—EMPLOYMENT AND VALUE ADDED: 1975 TO 1987

(Employment in millions; value added in billions of dollars, except as indicated)

SECTOR	1975	1979	1983	1981	1982	1982	1984	1985	1986	1987
EMPLOYMENT										
Food and fiber sector, total	20.2	21.3	21.4	21.6	21.6	21.4	21.4	21.6	20.2	20.1
Percent of domestic economy ¹	21.5	20.3	20.0	19.9	19.6	19.2	18.8	18.2	17.1	16.7
Farm sector	3.0	2.7	2.6	2.7	2.8	2.8	2.7	2.3	2.0	2.0
Nonfarm sector	17.2	18.7	18.8	18.9	18.8	18.7	18.7	18.7	18.2	18.1
Food processing	1.5	1.5	1.5	1.5	1.6	1.5	1.4	1.5	1.4	1.3
Manufacturing	3.2	3.3	3.4	3.4	3.3	3.1	3.0	2.9	2.7	2.7
Transportation, trade, and retailing	6.7	6.3	6.4	6.5	6.6	6.5	6.6	6.7	6.6	6.6
Eating establishments	3.1	3.5	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.7
Other	3.7	4.0	4.0	4.1	4.2	4.0	4.1	4.1	3.9	3.9
VALUE ADDED²										
Food and fiber sector, total	325.7	455.4	488.9	522.3	511.3	502.6	500.4	500.4	504.8	705.3
Percent of domestic economy	20.4	18.6	16.3	16.4	19.3	17.7	17.5	17.4	16.4	15.6
Farm sector	43.9	59.4	55.1	67.3	75.1	49.7	64.8	71.6	58.8	55.6
Nonfarm sector	282.4	406.0	444.8	495.0	536.2	552.9	595.9	627.8	635.2	649.4
Food processing	36.7	46.7	56.0	61.7	70.0	70.4	75.6	83.8	83.8	81.5
Manufacturing	57.0	77.1	82.0	93.1	97.5	99.0	101.5	102.3	102.7	100.6
Transportation, trade, and retailing	98.6	142.7	157.5	175.8	186.1	196.8	209.7	220.9	223.9	230.5
Eating establishments	26.7	38.9	42.0	44.6	46.1	52.0	55.7	57.5	60.4	64.9
Other	64.2	97.6	106.3	120.0	132.5	135.7	153.4	163.3	164.4	172.0

¹ Based on civilian labor force.

² Value added equals profits, rent, interest, wages, indirect business taxes, and depreciation.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Farm Sector Review*, annual.

No. 1075. FARM POPULATION AND EMPLOYMENT: 1960 TO 1987

(In thousands, except percent. For definition of farm population, see text, section 23. See also *Historical Statistics, Colonial Times to 1970*, series C 76 and K 1-2 and K 174-175)

ITEM	1960	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
Farm population (1974 definition) ¹	(NA)	(NA)	(NA)	6,241	6,051	5,860	5,828	5,787	5,754	5,355	5,226	4,986
Percent of resident population	(NA)	(NA)	(NA)	2.8	2.7	2.6	2.4	2.5	2.4	2.2	2.2	2.0
Farm population (1980 definition) ¹	15,835	9,712	8,884	7,553	7,241	7,014	6,880	7,029	(NA)	(NA)	(NA)	(NA)
Percent of resident population	8.7	4.6	4.2	3.4	3.3	3.1	3.0	3.0	(NA)	(NA)	(NA)	(NA)
Farm employment, total ²	7,057	4,523	4,242	3,774	3,705	3,330	4,043	3,749	3,405	3,115	2,912	2,897
Family member ³	5,172	3,348	3,025	2,501	2,402	2,236	2,494	2,271	2,175	2,017	1,873	1,846
Hired workers ⁴	1,885	1,175	1,317	1,273	1,303	1,094	1,549	1,478	1,230	1,098	1,039	1,051

NA Not available. ¹ April-centered five-quarter averages for 1960 to 1983; annual average for 1984 to 1987.

² 1960 and 1970, averages of monthly estimates of employed during last full calendar week ending at least one day before end of month; 1975-1980 annual quarterly averages; 1981, average based on employment data from Jan. and April quarterly surveys; 1982-1983 based on July survey; 1984, average from July and Oct. surveys; 1985-1987 average from April, July and Oct. surveys.

³ Includes farm operators doing 1 or more hours of farm work and unpaid family members doing 15 or more hours of farm work during survey week. ⁴ Includes all persons doing 1 or more hours of farm work for pay during survey week. Members of operators' families doing any farm work for cash wages are counted as hired workers.

Source: Population—U.S. Dept. of Agriculture, Economic Research Service and U.S. Bureau of the Census. Published in U.S. Bureau of the Census, *Current Population Reports*, series P-27, No. 61 and earlier reports. Farm employment—U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Farm Labor*, periodic.

No. 1076. CHARACTERISTICS OF FARM AND NONFARM FAMILIES: 1970 TO 1987

(As of March, 1970 based on 1969 census farm definition and 1980 and 1987 based on 1974 definition; see text, section 23. 1970, 1980 and 1987 data are based on population controls from 1960, 1970, and 1980 censuses respectively; see text, section 1. Based on Current Population Survey, see text, section 1 and Appendix III. For definition of median, see Guide to Tabular Presentation)

CHARACTERISTIC	1970			1980			1987		
	Total	Farm	Nonfarm	Total	Farm	Nonfarm	Total	Farm	Nonfarm
Total families (1,000)	51,237	2,457	48,781	56,426	1,986	56,780	64,491	1,448	63,043
Persons per family	3.62	3.77	3.61	3.28	3.35	3.27	3.18	3.26	3.18
With own children under 18 (1,000)	26,665	1,169	27,496	30,517	745	29,772	31,898	596	31,301
Mean number of own children	2.33	2.61	2.32	1.89	2.00	1.89	1.81	2.00	1.81
Percent with:									
1 or 2 children	83.6	57.2	83.9	77.0	71.5	77.2	80.4	73.0	80.6
3 or 4 children	26.5	29.3	26.5	20.4	24.8	20.3	17.8	24.5	17.6
5 or more children	7.9	13.5	7.6	2.5	3.5	2.5	1.8	2.5	1.6
Percent distribution:									
Married couple	88.7	90.5	88.5	82.5	92.3	82.2	79.9	83.6	79.6
Male householder, no wife present	2.4	4.2	2.3	2.9	3.4	2.9	3.9	2.1	3.9
Female householder, no husband present	10.9	5.3	11.2	14.6	4.4	14.8	16.2	4.4	16.5
2-person families	34.5	37.0	34.3	39.2	42.7	39.1	40.8	42.2	40.6
3-to-5 person families	62.7	46.4	63.1	53.7	47.1	53.8	54.1	50.8	54.2
6-or-more person families	12.9	16.6	12.6	7.1	10.3	7.0	5.0	6.9	5.0
Median family income ¹ in constant (1986) dollars	29,213	19,097	29,629	29,700	24,709	29,841	29,456	23,326	29,632

¹ Income for previous year.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 216; series P-27, No. 61 and earlier reports; series P-60, No. 157 and earlier reports; and unpublished data.

No. 1077. FARM POPULATION, BY CHARACTERISTICS: 1970 TO 1987

[1970 and 1980, April-centered five-quarter averages; 1989 and 1987 annual averages. For definition of farm population, see text, section 23]

CHARACTERISTIC	FARM POPULATION (1,000)							PERCENT DISTRIBUTION			
	1969 definition		1974 definition					1969 definition, 1970	1974 definition		
	1970	1986	1983	1980	1987				1980	1980	1987
					Total	Male	Female				
Total.....	9,712	7,241	6,051	5,399	4,999	2,598	2,387	100.0	100.0	100.0	100.0
White.....	6,775	6,828	5,714	5,195	4,834	2,522	2,312	90.4	94.4	97.0	97.0
Black and other races.....	938	413	337	180	152	76	75	9.7	5.6	3.0	3.0
Under 15 years old.....	¹ 2,480	¹ 1,391	¹ 1,146	1,100	974	511	483	¹ 25.6	¹ 16.9	20.5	19.5
15 years old and over.....	² 7,222	² 5,851	² 4,905	4,255	4,012	2,057	1,924	² 74.4	² 61.1	79.5	80.5
15-19 years old.....	³ 1,316	³ 926	³ 790	486	427	218	211	³ 13.6	³ 13.1	8.5	6.6
20-24 years old.....	502	502	444	381	315	174	141	5.2	7.3	7.1	6.3
25-34 years old.....	770	735	606	640	620	333	267	7.9	10.0	12.0	12.4
35-44 years old.....	1,061	862	712	687	626	327	289	10.9	11.8	12.6	12.6
45-64 years old.....	2,452	1,892	1,607	1,342	1,319	687	653	25.2	26.6	25.1	26.4
65 years old and over.....	1,122	834	746	747	702	370	332	11.6	12.3	13.9	14.1
In labor force ⁴	4,293	3,892	3,139	2,853	2,763	1,720	1,043	59.4	64.0	67.1	68.9
Employed, agriculture.....	2,333	1,722	1,642	1,363	1,297	1,029	266	32.3	33.5	32.0	32.3
Percent of labor force.....	54.3	46.8	52.3	47.8	46.9	59.8	25.7	(x)	(x)	(x)	(x)
Self-employed.....	1,411	1,063	1,034	606	646	716	132	19.5	21.1	21.1	21.1
Wage and salary workers.....	395	344	326	318	330	267	83	5.5	6.6	7.5	8.2
Unpaid family workers.....	526	295	282	149	116	46	72	7.3	5.7	3.5	2.9
Employed, nonagriculture.....	1,878	1,853	1,415	1,402	1,367	850	737	26.0	26.8	32.9	34.6
Self-employed.....	159	210	161	159	161	82	89	2.2	3.3	3.7	4.0
Wage and salary workers.....	1,865	1,624	1,239	1,237	1,216	555	660	23.5	25.3	29.1	30.3
Unpaid family workers.....	21	19	16	7	10	2	8	.3	.3	.2	.2
Unemployed.....	82	106	82	89	79	41	37	1.1	1.7	2.1	2.0
Not in labor force ⁴	2,929	2,189	1,766	1,402	1,249	367	662	40.6	36.0	32.9	31.1

X Not applicable. ¹ Persons under 14 years old. ² Persons 14 years old and over. ³ Persons 14-19 years old.
⁴ Percent distribution by labor force status based on population, 14 years old and over through 1980; thereafter, 15 years old and over.

Sources: U.S. Bureau of the Census, *Current Population Reports*, series P-27, No. 61 and earlier reports; and unpublished data.

No. 1078. FARMS—NUMBER AND ACREAGE: 1959 TO 1986

[Based on census year definition indicated; for definition of farms and farmland, see text, section 23. Data for census years (indicated by italics) have been adjusted for underenumeration and are used as reference points along with data from acreage and livestock surveys in estimating data for other years. Minus sign (—) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series K 4-7]

YEAR	FARMS		LAND IN FARMS		YEAR	FARMS		LAND IN FARMS	
	Number (1,000)	Annual change ¹ (1,000)	Total (mil. acres)	Average per farm (acres)		Number (1,000)	Annual change ¹ (1,000)	Total (mil. acres)	Average per farm (acres)
1969 DEFINITION					1974 DEFINITION				
1959.....	4,105	— 139	1,163	289	1975.....	2,521	(x)	1,059	420
1960.....	3,963	— 142	1,176	297	1976.....	2,497	— 24	1,054	422
1964.....	3,457	— 127	1,146	332	1977.....	2,458	— 41	1,048	427
1965.....	3,366	— 101	1,140	340	1978.....	2,436	— 20	1,045	429
1969.....	3,000	— 89	1,108	369	1979.....	2,432	— 4	1,042	426
1970.....	2,949	— 51	1,102	374	1980.....	2,433	1	1,039	427
1971.....	2,902	— 47	1,097	378	1981.....	2,434	1	1,034	425
1972.....	2,880	— 42	1,092	382	1982.....	2,401	— 33	1,028	426
1973.....	2,823	— 37	1,086	385	1983.....	2,370	— 31	1,024	432
1974.....	2,795	— 28	1,084	389	1984.....	2,328	— 42	1,019	438
1975.....	2,767	— 28	1,081	391	1985.....	2,275	— 53	1,014	446
1976.....	2,738	— 29	1,078	394	1986.....	2,212	— 63	1,006	456
1977.....	2,708	— 32	1,075	397	1987.....	2,176	— 36	1,003	461
1978.....	2,672	— 34	1,072	401	1989, prel.....	2,159	— 17	999	463

X Not applicable. ¹ Average annual change from preceding year shown. For 1969, change from 1954.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Number of Farms and Land in Farms, 1959-70* (Statistical Bulletin No. 507); *Farms and Land in Farms, 1969-75* (Statistical Bulletin No. 594); *Farm Numbers, 1975-80*; and *Crop Production* (August releases).

NO. 1079. FARMS—NUMBER AND ACREAGE, BY STATE: 1980 AND 1988

[1988 data preliminary. Based on 1974 census definition of farms and farmland; see text, section 23. See also *Historical Statistics, Colonial Times to 1970*, series K 4-7]

STATE	FARMS (1,000)		ACREAGE (mil.)		ACREAGE PER FARM		STATE	FARMS (1,000)		ACREAGE (mil.)		ACREAGE PER FARM	
	1980	1988	1980	1988	1980	1988		1980	1988	1980	1988	1980	1988
U.S.	2,433	2,159	1,936	986	427	463	Missouri	20	113	31	30	261	9
Alabama	59	49	12	11	207	224	Montana	24	23	82	61	2,601	2,605
Alaska	(2)	1	2	1	3,378	2,123	Nebraska	66	55	48	47	734	858
Arizona	6	5	36	37	5,060	4,506	Nevada	3	2	9	9	3,100	3,667
Arkansas	56	47	17	15	260	319	New Hampshire	3	3	1	1	180	168
California	81	78	34	33	417	417	New Jersey	9	7	1	1	109	112
Colorado	27	27	36	34	1,358	1,234	New Mexico	14	14	47	45	3,467	3,333
Connecticut	4	4	(2)	(2)	117	119	New York	47	40	9	9	200	213
Delaware	4	3	1	1	186	197	North Carolina	93	70	12	11	126	150
Florida	39	40	13	13	344	325	North Dakota	40	33	42	40	1,043	1,243
Georgia	59	49	15	13	254	265	Ohio	95	84	16	16	171	186
Hawaii	4	4	2	2	458	443	Oklahoma	72	69	35	33	481	478
Idaho	24	23	15	14	623	609	Oregon	35	37	18	18	517	488
Illinois	107	83	29	29	269	345	Pennsylvania	62	56	9	6	145	150
Indiana	87	72	17	16	193	226	Rhode Island	1	1	(2)	(2)	87	96
Iowa	119	107	34	34	284	313	South Carolina	34	27	6	5	188	200
Kansas	75	69	48	46	644	694	South Dakota	39	35	46	44	1,160	1,278
Kentucky	102	99	15	15	143	146	Tennessee	95	94	14	13	142	136
Louisiana	37	35	10	10	273	271	Texas	189	156	138	132	731	846
Maine	6	6	2	2	195	192	Utah	14	13	12	11	919	850
Maryland	16	16	3	2	157	147	Vermont	8	7	2	2	226	223
Massachusetts	6	6	1	1	116	111	Virginia	58	49	10	10	169	196
Michigan	65	56	11	11	175	163	Washington	36	36	16	16	429	421
Minnesota	104	94	30	30	291	319	West Virginia	22	21	4	4	161	176
Mississippi	55	43	15	14	266	314	Wisconsin	83	82	19	18	200	215
							Wyoming	9	9	35	35	2,846	4,000

Z Less than 500 farms or 500,000 acres.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Crop Production* (August 1989 release).

NO. 1080. FARMS—NUMBER AND ACREAGE, BY STATE: 1982

[For composition of regions, see fig. 1, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series K 17-18]

REGION, DIVISION, AND STATE	ALL FARMS			FARMS WITH SALES OF \$10,000 OR MORE			DIVISION AND STATE	ALL FARMS			FARMS WITH SALES OF \$10,000 OR MORE		
	Num- ber of farms (1,000)	Land in farms (mil. acres)	Aver- age size of farm (acres)	Num- ber of farms (1,000)	Land in farms (mil. acres)	Aver- age size of farm (acres)		Num- ber of farms (1,000)	Land in farms (mil. acres)	Aver- age size of farm (acres)	Num- ber of farms (1,000)	Land in farms (mil. acres)	Aver- age size of farm (acres)
U.S.	2,241	988.8	440	1,143	611.3	716	S.A.	274	97.2	358	109	41.8	386
Region:							DE	3	7	168	2	6	275
Northeast	131	23.0	176	65	17.0	260	MD	16	2.6	158	6	2.1	257
Midwest	932	354.2	380	612	317.6	519	VA	52	9.4	182	18	6.3	250
South	595	293.8	328	331	229.3	694	WV	19	3.6	190	3	1.2	442
West	260	315.7	1,129	135	247.3	1,837	NC	73	10.3	142	33	7.7	232
N.E.	26	4.6	178	12	3.1	288	SC	25	5.6	224	9	3.8	481
ME	7	1.5	210	3	0	327	GA	50	12.3	246	21	9.3	434
NH	3	5	170	1	2	273	FL	36	12.8	353	15	10.6	733
VT	6	1.6	246	4	1.2	336	E.S.C.	293	48.2	174	96	33.4	1,111
MA	5	6	113	2	4	164	KY	102	14.2	140	42	10.0	1,111
RI	1	1	86	(2)	(2)	117	TN	91	12.5	136	25	7.7	302
CT	4	4	118	2	3	187	AL	46	10.2	211	15	6.7	444
M.A.	108	18.4	174	64	13.9	259	MS	42	12.4	293	14	9.0	660
NY	42	9.2	218	23	7.3	316	W.S.C.	340	187.3	551	125	1,227	1,227
NJ	6	9	111	4	7	111	AR	51	14.7	291	21	11.0	528
PA	56	8.3	149	27	5.9	217	LA	32	8.9	282	11	7.1	625
E.N.C.	403	96.8	220	246	77.8	318	OK	73	32.4	446	29	25.7	673
OH	97	15.4	177	44	12.3	282	TX	185	131.3	710	64	110.1	1,727
IN	77	18.3	211	46	14.5	324	Mt.	122	346.1	1,867	66	187.8	2,862
IL	98	28.7	292	71	27.2	384	MT	24	80.5	2,566	15	53.4	3,453
MI	59	10.9	187	26	8.7	307	ID	25	13.9	563	15	11.7	601
WI	82	17.2	210	57	15.1	265	WY	9	33.5	3,781	5	29.0	5,212
W.N.C.	529	265.6	502	309	238.7	652	CO	27	33.5	1,237	15	29.1	1,939
MN	94	27.7	294	67	25.0	374	NM	13	47.1	3,493	5	34.9	6,715
IA	115	32.6	283	94	31.4	336	AZ	7	37.8	5,148	3	15.2	4,861
MO	112	29.3	260	51	22.3	435	UT	14	9.8	699	6	7.3	1,261
ND	36	40.2	1,104	30	37.3	1,247	NV	3	10.0	3,671	1	8.2	6,087
SD	37	43.8	1,179	29	37.0	1,259	Pac.	199	99.8	441	89	99.4	984
NE	80	45.0	748	49	43.0	882	WA	36	18.5	456	16	13.0	833
KS	73	47.1	642	48	43.7	912	OR	34	17.7	520	12	15.3	1,316
							CA	82	32.2	390	39	29.7	726
							AK	(2)	1.3	2,323	(2)	4	3,648
							HI	5	2.0	426	2	1.9	1,047

Z Less than 500 farms or 50,000 acres.

Source: U.S. Bureau of the Census, *Census of Agriculture: 1982*, vol. 1.

NO. 1001. FARMS—NUMBER, 1959 TO 1982, AND ACREAGE, 1978 AND 1982, BY SIZE OF FARM

[See also *Historical Statistics, Colonial Times to 1970*, series K 162-173]

SIZE OF FARM	NUMBER OF FARMS (1,000)					LAND IN FARMS (mil. acres)		CROPLAND HARVESTED (mil. acres)		PERCENT DISTRIBUTION 1982		
	1959	1969	1974	1978	1982	1978	1982	1978	1982	Num- ber of farms	All land in farms	Crop- land har- vested
Total	3,711	2,739	2,314	2,266	2,241	1,814.8	1,814.8	317.1	326.3	100.0	100.0	100.0
Under 10 acres	344	162	151	151	188	.8	.7	.2	.3	8.4	1	1
10-49 acres	813	473	392	392	448	10.9	12.1	4.5	4.5	20.0	1.2	1.4
50-99 acres	658	400	356	356	344	26.9	24.8	10.2	9.6	15.4	2.5	2.9
100-179 acres	773	542	403	403	368	55.0	49.8	23.3	21.2	16.4	5.1	6.6
180-259 acres	414	307	253	234	211	30.8	45.7	23.7	21.7	11.5	4.6	6.7
260-499 acres	472	419	348	348	315	124.6	113.0	64.5	60.5	14.1	11.5	18.5
500-999 acres	200	218	207	213	204	146.7	140.5	75.2	77.6	9.1	14.2	23.8
1,000-1,999 acres	79	91	93	98	97	133.0	132.4	58.2	64.5	4.3	13.4	19.8
2,000 acres and over	57	60	62	63	65	467.4	467.5	57.3	68.6	2.8	47.4	20.4

Source: U.S. Bureau of the Census, *Census of Agriculture: 1959, 1969, 1974*, vol. II and 1982, vol. 1.

NO. 1002. FARMS—NUMBER AND ACREAGE, BY TENURE OF OPERATOR: 1959 TO 1982

[Full owners own all the land they operate. Part owners own a part, and rent from others the rest of the land they operate. See also *Historical Statistics, Colonial Times to 1970*, series K 109-113 and 142-146]

ITEM AND YEAR	Unit	Total	Full owner	Part owner	Tenant	PERCENT DISTRIBUTION			
						Total	Full owner	Part owner	Ten- ant
Number of farms:									
1959	1,000	2,730	1,798	672	363	100.0	62.6	24.6	12.8
1974	1,000	2,314	1,424	628	262	100.0	61.5	27.2	11.3
1978	1,000	2,266	1,298	681	279	100.0	57.6	27.1	12.4
1982 ¹	1,000	2,241	1,328	698	205	100.0	59.2	29.3	11.5
Under 50 acres	1,000	637	505	88	44	100.0	79.3	10.7	9.9
50-179 acres	1,000	711	458	144	79	100.0	68.7	20.2	11.1
180-499 acres	1,000	528	232	221	73	100.0	44.1	42.0	13.8
500-999 acres	1,000	204	57	120	27	100.0	27.9	68.8	13.2
1,000 acres or more	1,000	161	41	100	17	100.0	25.4	64.0	10.6
Land in farms:									
1959	Mil. acres	1,063	375	550	138	100.0	36.2	51.9	13.0
1974	Mil. acres	1,017	399	536	122	100.0	36.4	52.6	12.0
1978	Mil. acres	1,015	332	581	122	100.0	32.7	55.3	12.0
1982	Mil. acres	987	331	531	114	100.0	34.7	53.6	11.6

¹ Data by size of farm exclude abnormal farms; see headnote, table 1004.

Source: U.S. Bureau of the Census, *Census of Agriculture: 1959, 1974*, vol. II, and 1982, vol. 1.

NO. 1003. FARM OPERATORS—TENURE AND CHARACTERISTICS: 1978 AND 1982

[In thousands, except as indicated. See also *Historical Statistics, Colonial Times to 1970*, series K 62-113]

TENURE AND CHARACTERISTIC	ALL FARMS		FARMS WITH SALES OF \$10,000 AND OVER		CHARACTERISTIC	ALL FARMS		FARMS WITH SALES OF \$10,000 AND OVER	
	1978	1982	1978	1982		1978	1982	1978	1982
Total operators	2,298	2,341	1,140	1,143	Principal occupation:				
White	2,200	2,187	1,103	1,127	Farming	1,288	1,236	934	901
Black and other	58	54	17	18	Other	988	1,005	246	242
Operators of Hispanic origin ¹	18	18	7	8	Place of residence: ²				
Female	113	122	(NA)	37	On farm operated	1,586	1,581	876	833
Under 25 years old	67	62	(NA)	39	Not on farm operated	422	429	197	202
25-34 years old	285	294	(NA)	173	Years on present farm: ²				
35-44 years old	434	443	(NA)	223	2 years or less	(NA)	127	(NA)	53
45-54 years old	549	506	(NA)	284	3-4 years	(NA)	160	(NA)	83
55-64 years old	552	536	(NA)	298	5-9 years	(NA)	300	(NA)	167
65 years old and over	371	400	(NA)	158	10 years or more	(NA)	1,008	(NA)	638
Average age (years)	50.2	50.5	(NA)	49.1	Days worked off farm: ²				
Full owner	1,288	1,328	485	482	None	943	802	654	581
Part owner	681	656	514	491	Less than 100 days	252	224	184	141
Tenant	279	258	141	170	100-199 days	181	186	78	77
					200 days or more	770	775	214	213

NA Not available. ¹ Operators of Hispanic origin may be of any race. ² Excludes not reported.

Source: U.S. Bureau of the Census, *1982 Census of Agriculture*, vol. 1.

No. 1084. FARMS—NUMBER, ACREAGE, AND VALUE, BY TYPE OF ORGANIZATION: 1978 AND 1982

[Excludes abnormal farms (institutional farms, experimental and research farms, Indian reservations, etc.)]

ITEM	Unit	Total ¹	Individual or family	Partnership	Corporation	PERCENT DISTRIBUTION			
						Total ¹	Individual or family	Partnership	Corporation
Number of farms: 1978.....	1,000.....	2,255	1,986	233	50	100.0	87.2	10.3	2.2
1982.....	1,000.....	2,239	1,946	223	60	100.0	88.9	10.0	2.7
Land in farms: 1978.....	Mil. acres....	959	673	158	120	100.0	70.2	16.5	12.5
1982.....	Mil. acres....	932	642	152	127	100.0	88.9	18.3	13.6
Value of land and buildings: ² 1978.....	Bil. dol.....	623	(NA)	(NA)	(NA)	100.0	(NA)	(NA)	(NA)
1982.....	Bil. dol.....	783	547	119	90	100.0	71.7	15.6	11.8
Value of farm products sold: 1978.....	Mil. dol.....	106,829	(NA)	(NA)	(NA)	100.0	(NA)	(NA)	(NA)
1982.....	Mil. dol.....	131,590	77,907	21,520	31,480	100.0	59.2	16.4	23.9

NA Not available. ¹ Includes other types, not shown separately. ² Based on a sample of farms.
Source: U.S. Bureau of the Census, *1982 Census of Agriculture*, vol. 1.

No. 1065. IRRIGATED FARMS AND ACREAGE—SELECTED STATES: 1984

[Based on a sample of irrigators selected from irrigated farms identified in the 1982 Census of Agriculture excluding all irrigators in 1982 in Alaska, Hawaii, and abnormal and horticultural specialty farms in the 48 conterminous States. (For definition of abnormal farms, see headnote, table 1084.) Most of the excluded irrigated farms were horticultural specialty farms and accounted for 699,645 acres irrigated or 1.8 percent of the land irrigated in 1982. No attempt was made to identify and select new irrigators for 1984. Irrigated land is defined as the acreage in farms to which water is artificially applied]

STATE	Irrigat- ed farms (1,000)	Acres in farms (1,000)	Acres irrigat- ed (1,000)	STATE	Irrigat- ed farms (1,000)	Acres in farms (1,000)	Acres irrigat- ed (1,000)
Conterminous U.S. ¹	212.4	175,134	44,731	Montana.....	7.9	16,769	1,877
California.....	48.3	17,292	7,606	Arkansas.....	4.8	4,439	1,872
Nebraska.....	19.2	19,321	5,828	Oregon.....	12.1	10,840	1,776
Texas.....	13.7	14,468	4,921	Wyoming.....	4.6	14,630	1,550
Idaho.....	15.5	7,117	3,255	Washington.....	13.1	4,097	1,482
Colorado.....	13.4	15,360	3,106	Florida.....	5.9	4,991	1,438
Kansas.....	6.2	8,935	2,315	Utah.....	10.0	3,767	1,054
				Arizona.....	3.4	4,729	893

¹ Includes other States not shown separately.
Source: U.S. Bureau of the Census, *1984 Farm and Ranch Irrigation Survey*, (AG84-SR-1), 1986.

No. 1086. FOREIGN OWNERSHIP OF U.S. AGRICULTURAL LAND: 1987

[In thousands of acres, except percent. Covers "foreign persons" reporting under the Agricultural Foreign Investment Disclosure Act of 1978. As defined in the Act, a "foreign person" is any person who is not a U.S. citizen and who is not a permanent resident alien of the U.S. Foreign governments and entities are also "foreign persons." Also, each successive link in a chain of U.S. entities containing foreign interests is considered a "foreign person." An entity is deemed a "foreign person" if it is 10 percent or more foreign owned by a single foreign person or foreign persons acting in concert, or 50 percent foreign owned by a group of foreign persons not acting in concert, none of whom individually holds a 10 percent or greater interest in the entity. Therefore acreage figures reported do not necessarily mean that they are wholly owned by foreign investors. Covers reports received and accepted as of December 31, 1987]

CHARACTERISTIC	ACREAGE OWNED ¹		ACREAGE ACQUIRED ²		CHARACTERISTIC	ACREAGE OWNED ¹		ACREAGE ACQUIRED ²	
	Total	Percent	Total	Percent		Total	Percent	Total	Percent
Total ³	12,536	100.0	325	100.0	Country of foreign owner:				
Type of owner:					Canada.....	1,452	11.6	75	23.1
Corporation.....	10,058	80.2	271	83.4	Japan.....	115	.9	2	.6
Partnership.....	1,292	10.3	34	10.5	Netherlands.....	141	1.1	1	.3
Individual.....	989	7.9	17	5.2	Netherlands Antilles....	486	3.9	-	-
Other.....	196	1.6	3	.9	Switzerland.....	247	2.0	19	5.8
Size of holding:					United Kingdom.....	284	2.3	7	2.2
Less than 100 acres...	128	1.0	2	.6	West Germany.....	717	5.7	23	7.1
100-299 acres.....	303	2.4	7	2.1	Through U.S. interest: ⁴				
300-999 acres.....	888	7.1	22	6.8	Canada.....	1,045	8.3	10	3.1
1,000 acres or more...	11,216	89.5	294	90.5	Japan.....	34	.3	4	1.2
Land use:					Netherlands.....	381	3.0	33	10.2
Cropland.....	2,115	16.9	87	20.6	Netherlands Antilles.....	242	1.9	18	5.5
Pasture.....	2,981	23.6	125	36.5	Switzerland.....	244	1.9	4	1.2
Forest.....	6,294	50.2	103	31.7	United Kingdom.....	3,511	26.0	13	4.0
Other agriculture.....	550	4.4	16	4.9	West Germany.....	415	3.3	30	9.2
Other nonagriculture....	614	4.9	14	4.3					

- Represents or rounds to zero. ¹ Landholdings by foreign interests as of Dec. 31. ² Acquisitions by foreign interests from Jan. 1-Dec. 31, 1987. ³ Includes other countries not shown separately. ⁴ Reports filed by U.S. corporations with foreign shareholders.
Source: U.S. Dept. of Agriculture, Economic Research Service, *Foreign Ownership of U.S. Agricultural Land through December 31, 1987* (Economic Research Service Staff Report AGES 890314), 1988.

No. 1087. FARM REAL ESTATE—SUMMARY, 1970 TO 1986

[1970 and 1975 values date as of Mar. 1, 1970-1971 and 1976-1977, as of Feb. 1, 1972-1973, as of April 1. Excludes Alaska and Hawaii. 1979 values date latest on 1989 census definition of farms and farmstead beginning 1973, based on 1974 census definition, see text, section 23. Total value of land and buildings is estimated by multiplying the number of acres of farmland by the average value per acre of land and buildings. Average values are based on land-value data obtained from the census of agriculture. For estimated years, estimates are made using values of average value per acre, indexes of average value per acre are based on surveys conducted by the U.S. Dept. of Agriculture.]

Year	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987	1988
Total value	Bil. dol.	216.9	309.8	753.3	843.7	843.3	884.6	795.9	886.2	987.6	348.2	383.3
Land	Bil. dol.	175.5	262.5	655.0	728.3	728.9	827.3	688.9	795.9	916.3	473.7	486.3
Buildings	Bil. dol.	38.5	58.1	105.3	115.4	114.5	107.5	105.0	90.4	70.4	74.5	97.0
Average value per acre ¹	Dollars	186	346	737	819	823	788	782	879	986	347	384
Index	1977 = 100	42	75	145	159	157	148	145	158	172	100	109
Average value, operating unit	\$1,000	73.0	142.5	314.4	347.3	352.8	346.3	341.8	358.4	370.8	201.9	204.1

Land and buildings.

Source: U.S. Dept. of Agriculture, Economic Research Service, 1970-1984, *Farm Real Estate Market Developments*, current thereafter, *Agricultural Land Values and Markets*, current.

No. 1088. FARM REAL ESTATE—VALUE OF LAND AND BUILDINGS, BY STATE, 1980 TO 1988

[See footnotes, table 1087. See also *Historical Statistics, Colonial Times to 1972* series A, 14.]

STATE	VALUE OF LAND AND BUILDINGS (mil. dol.)				AVERAGE VALUE OF LAND AND BUILDINGS PER ACRE				INDEXES OF AVERAGE VALUE PER ACRE (1977 = 100)			
	1980	1981	1987	1988	1980	1981	1987	1988	1980	1981	1987	1988
U.S.	753,385	843,704	843,222	884,596	8737	8279	8647	8864	145	139	100	109
Alabama	8,516	9,844	8,038	8,042	780	788	731	731	149	154	146	146
Arizona	10,173	9,838	8,857	7,915	267	265	242	214	167	163	148	131
Arkansas	15,147	13,584	9,787	8,831	918	846	634	645	163	152	114	116
California	48,131	56,785	44,557	43,701	1,424	1,726	1,388	1,341	166	201	158	158
Colorado	13,922	14,984	12,370	12,386	387	435	384	384	147	154	129	129
Connecticut	1,170	1,540	1,785	2,182	2,397	3,208	4,056	4,914	135	185	234	283
Delaware	1,189	1,067	1,118	1,184	1,788	1,842	1,775	1,885	151	128	138	148
Florida	18,505	19,851	18,033	20,750	1,381	1,527	1,464	1,586	141	147	141	154
Georgia	13,440	11,878	11,003	11,241	886	885	848	885	132	118	113	113
Idaho	10,810	10,861	7,822	8,188	688	748	587	582	134	129	98	102
Illinois	58,781	57,712	29,752	31,850	2,041	1,314	1,040	1,114	135	84	87	72
Indiana	31,288	20,648	15,077	15,918	1,883	1,298	891	883	150	98	71	75
Iowa	82,182	35,750	25,051	28,803	1,840	1,084	748	880	159	77	54	64
Kansas	28,352	22,388	16,304	17,637	587	488	340	388	134	98	71	77
Kentucky	14,250	13,157	11,478	11,403	976	808	791	785	147	129	113	112
Louisiana	12,885	12,885	7,115	6,865	1,258	1,258	734	708	169	181	106	102
Maine	889	1,301	1,645	1,879	584	856	1,082	1,338	135	185	234	287
Maryland	6,154	5,452	4,384	4,834	2,238	2,087	1,831	2,014	168	158	138	152
Massachusetts	1,158	1,613	2,038	2,403	1,608	2,372	2,988	3,534	135	185	234	278
Michigan	12,885	11,983	9,416	9,838	1,111	1,052	833	853	138	121	98	98
Minnesota	32,808	25,019	14,789	16,888	1,086	823	493	563	164	109	68	75
Mississippi	11,957	11,774	8,023	8,080	819	835	854	857	158	183	128	129
Missouri	28,232	20,297	16,882	17,503	902	658	552	571	154	102	85	88
Montana	14,546	13,542	10,183	9,848	235	222	187	184	142	125	84	82
Nebraska	30,280	20,957	15,810	17,280	835	444	336	388	137	82	62	68
Nevada	2,230	2,015	1,858	1,888	248	228	211	180	178	173	180	146
New Hampshire	547	788	833	1,059	1,004	1,419	1,784	2,037	135	185	234	287
New Jersey	3,006	3,314	4,523	5,280	2,947	3,525	5,321	6,188	120	141	213	247
New Mexico	6,858	7,335	5,425	5,870	185	183	122	132	168	182	121	131
New York	8,788	7,353	8,008	8,223	720	808	831	888	118	128	148	152
North Carolina	14,262	13,414	11,840	11,471	1,219	1,242	1,086	1,082	141	142	125	121
North Dakota	16,888	14,724	11,419	11,848	405	380	282	282	138	118	91	86
Ohio	28,026	17,781	14,702	15,461	1,730	1,128	842	881	158	90	75	79
Oklahoma	21,244	18,878	14,130	13,883	614	588	428	421	147	128	85	83
Oregon	10,825	10,422	8,581	8,334	587	578	478	488	132	114	88	82
Pennsylvania	13,176	13,137	14,883	15,462	1,484	1,510	1,728	1,820	140	127	145	152
Rhode Island	188	243	308	455	2,573	3,336	4,217	6,240	136	185	234	348
South Carolina	5,780	4,944	4,126	4,546	880	888	784	874	130	121	107	118
South Dakota	13,140	11,125	7,841	8,333	282	250	178	187	141	101	79	78
Tennessee	13,274	13,158	12,747	13,914	978	982	1,012	1,104	138	127	131	143
Texas	80,255	86,348	64,153	62,113	438	552	482	488	144	229	188	184
Utah	8,572	5,982	5,132	4,840	530	514	454	428	169	165	148	137
Vermont	1,255	1,827	2,057	2,151	721	1,017	1,288	1,345	135	185	234	248
Virginia	10,074	10,474	10,887	10,872	1,028	1,081	1,111	1,143	138	140	143	147
Washington	11,997	14,880	11,422	11,036	736	823	723	889	124	151	118	114
West Virginia	2,810	1,994	1,848	2,004	889	554	527	542	150	143	138	140
Wisconsin	18,674	14,992	10,867	11,024	1,004	847	628	830	168	128	93	84
Wyoming	5,836	6,180	5,252	4,877	181	177	151	140	128	122	104	87

¹ Estimated by combining survey data to obtain an average rate of change for Arizona, Nevada, New Mexico, and Utah.

² Estimated using the average of the percentage changes in the Colorado, Idaho, and Montana indexes.

³ Estimated by combining survey data to obtain an average rate of change for New England States.

⁴ Estimated using the average of the percentage changes in the Alabama and Georgia indexes.

Source: U.S. Dept. of Agriculture, Economic Research Service, 1980, *Farm Real Estate Market Developments*, current, *Historical Statistics, Colonial Times to 1972*, series A, 14.

NO. 1086. BALANCE SHEET OF THE FARMING SECTOR: 1970 TO 1987

[In billions of dollars, except percent. As of December 31. Includes farm operator households. See *Historical Statistics, Colonial Times to 1970*, series K 204-218, for data before revisions]

ITEM	CURRENT DOLLARS						CONSTANT (1982) DOLLARS ¹					
	1970	1975	1980	1985	1986	1987	1970	1975	1980	1985	1986	1987
Assets	334.8	578.1	1,102.3	846.4	788.4	812.1	771.3	871.8	1,286.2	788.2	880.6	882.8
Physical assets:												
Real estate	223.8	430.8	850.8	608.4	554.0	567.2	532.8	709.3	982.8	543.8	484.7	482.7
Non-real estate	77.0	125.2	212.3	190.0	181.8	190.0	182.4	211.2	247.7	170.4	158.9	161.7
Livestock and poultry ²	23.7	29.4	80.6	48.3	47.8	57.6	58.4	49.8	70.8	41.5	41.7	49.0
Machinery and motor vehicles	34.4	63.1	98.3	82.4	84.4	78.8	81.8	108.4	115.8	82.8	73.8	88.9
Crops stored	9.0	21.1	39.0	23.5	18.1	20.8	21.3	35.5	38.5	21.0	18.7	17.5
Household furnishings, equipment	10.0	11.7	19.4	27.8	30.5	33.3	23.7	18.7	22.8	25.0	26.8	28.3
Financial assets	23.2	30.3	39.1	49.0	63.8	65.9	65.2	51.1	45.7	43.9	47.0	47.8
Deposits and currency	12.4	14.5	16.2	21.1	24.8	28.4	29.6	24.5	18.9	18.9	21.7	22.5
Savings bonds	3.8	3.9	3.8	3.9	4.5	5.0	8.5	6.5	4.4	3.5	4.0	4.2
Investment in cooperatives	7.2	11.9	19.2	24.0	24.4	24.5	17.0	20.0	22.4	21.5	21.3	20.8
Claims	334.8	578.1	1,102.3	846.4	788.4	812.1	771.3	871.8	1,286.2	788.2	880.6	882.8
Debt	52.8	91.5	178.7	188.0	186.8	153.3	125.6	154.2	206.5	108.6	145.9	130.5
Real estate debt	30.5	48.9	87.5	105.9	95.8	87.4	72.8	84.1	113.8	84.9	83.8	74.4
Non-real estate debt	22.3	41.6	81.2	82.2	71.0	65.9	53.0	70.2	94.8	23.7	62.1	56.1
Equity	271.2	486.6	923.6	657.3	601.6	658.8	645.7	717.2	1,077.7	679.6	734.7	752.3

¹ Constant dollar figures are based on gross national product implicit price deflators for year. ² Excludes horses and mules.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: National Financial Summary, 1987*, and unpublished data.

NO. 1086. FARM DEBT OUTSTANDING, BY TYPE OF LENDER: 1970 TO 1987

[In billions of dollars, except percent. As of December 31. Minus sign (-) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series K 361-367 and K 376-380]

LENDER	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Farm debt, total	32.8	91.5	136.8	162.8	178.7	196.4	203.1	206.5	204.4	188.0	188.8	183.9
Annual percent change ¹	8.1	11.8	14.9	19.0	10.0	9.3	3.9	1.7	-1.0	-8.0	-11.3	-8.1
Farm debt/asset ratio (percent)	15.3	15.9	15.7	16.1	16.2	17.7	19.0	19.7	21.5	22.2	21.1	18.9
Real estate debt	30.5	48.9	72.8	88.8	97.5	107.2	111.3	113.7	112.4	105.8	95.9	87.4
Federal land banks	7.1	16.0	24.8	29.8	38.2	43.8	47.8	48.9	48.2	44.7	37.7	32.3
Life insurance companies	5.8	6.7	10.5	12.2	12.9	13.1	12.8	12.7	12.4	11.8	10.9	9.8
Commercial and savings banks	3.8	6.3	8.8	8.8	8.6	8.3	8.4	9.3	10.2	11.4	12.7	14.5
Farmers Home Administration ²	2.4	3.4	4.1	8.9	8.2	8.8	8.2	9.5	10.1	10.4	10.3	10.1
Individuals and others ³	11.4	17.9	23.8	27.9	30.2	31.8	32.0	32.3	29.9	27.2	24.0	20.6
CCC ⁴ storage and drying facilities loans .....	.1	.2	1.1	1.4	1.5	1.3	1.1	.6	.6	.3	.1	-
Non-real estate debt	22.3	41.6	63.8	75.7	81.2	88.2	91.8	92.7	92.0	82.2	71.0	66.5
Commercial and savings banks	11.1	20.2	28.3	31.0	31.6	32.9	36.1	39.0	39.6	35.5	31.2	29.0
Production credit associations ⁵	5.8	11.1	15.5	18.8	20.6	22.1	21.4	20.2	18.6	14.8	11.3	8.7
Farmers Home Administration .....	.8	1.8	5.8	8.3	11.4	11.1	14.7	14.8	15.6	16.7	16.4	16.0
Individuals and others ⁶	11.1	8.6	14.3	16.6	17.7	18.8	19.5	18.9	18.0	15.4	12.4	11.1

- Represents zero. ¹ Annual change from prior year shown; for 1970, change from 1968. For explanation of annual percent change, see Guide to Tabular Presentation. ² Includes direct and insured farm ownership, farm housing, soil and water and recreation loans secured by farm real estate. ³ Includes seller and other individual financing of farm real estate sales and unclassified credit sources. ⁴ Commodity Credit Corporation. ⁵ Also includes Federal Intermediate credit bank loans to financial groups other than production credit associations. ⁶ Includes merchants and dealers, individuals, Small Business Administration, and all other unclassified credit sources.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: National Financial Summary, 1987*.

NO. 1091. FARMS AND FARM DEBT—PERCENTAGE DISTRIBUTION BY DEBT/ASSET RATIO: 1988

[As of January 1. A farm is a crop or livestock farm if 50 percent or more of its commodity receipts derive from the sale of crop or animal products, respectively. A crop or livestock farm is further categorized as a particular type if 50 percent of its crop or, if applicable, livestock receipts come from a specific commodity area. Based on Farm Costs and Returns Survey conducted in February–March 1989 for the 1987 calendar year]

VALUE OF SALES AND TYPE OF FARM	FARMS—PERCENT DISTRIBUTION BY DEBT/ASSET RATIO				FARM OPERATOR DEBT—PERCENT DISTRIBUTION BY DEBT/ASSET RATIO			
	Total	Less than 40 percent	40–70 percent	Over 70 percent	Total	Less than 40 percent	40–70 percent	Over 70 percent
All farms	100.0	86.0	10.0	5.0	100.0	46.1	31.4	23.6
Less than \$10,000	100.0	80.3	7.0	2.7	100.0	54.0	30.0	16.0
\$10,000–\$19,999	100.0	88.9	7.1	3.0	100.0	57.2	27.3	15.5
\$20,000–\$39,999	100.0	86.9	7.9	5.3	100.0	53.2	23.5	23.3
\$40,000–\$99,999	100.0	78.7	13.1	8.2	100.0	42.5	28.2	29.3
\$100,000–\$249,999	100.0	73.6	18.1	8.4	100.0	41.6	36.3	22.1
\$250,000–\$499,999	100.0	73.3	17.7	9.0	100.0	44.3	35.0	20.7
\$500,000 and over	100.0	70.7	18.4	10.9	100.0	41.8	28.6	29.6
Cash grain	100.0	79.7	12.3	8.0	100.0	41.8	34.0	24.4
Cotton, tobacco	100.0	84.4	10.4	5.2	100.0	52.0	25.3	22.7
Other field crops	100.0	82.5	9.4	8.1	100.0	40.9	31.3	27.6
Vegetable, fruit, and nut	100.0	87.8	7.4	5.0	100.0	38.3	29.3	38.4
Nursery, greenhouse	100.0	91.5	7.7	.8	100.0	88.1	29.0	2.9
General livestock	100.0	89.6	7.5	2.7	100.0	49.6	30.0	20.2
Dairy	100.0	75.0	17.7	7.3	100.0	42.6	34.7	22.6
Poultry and egg	100.0	78.0	18.0	6.0	100.0	47.7	39.5	12.6
Other livestock	100.0	87.6	8.8	3.5	100.0	53.0	24.7	22.3

Source: U.S. Dept. of Agriculture, Economic Research Service, *Financial Characteristics of U.S. Farms, January 1, 1988* (AIB No. 551), 1989

NO. 1092. INDICATORS OF FINANCIAL STRESS IN AGRICULTURE, 1980 TO 1987, AND BY FARM REGION, 1987

[In percent. For years ending in June, except as noted. Based on a survey of approximately 1,000 bankers which reflects their perception of farm financial conditions in their lending areas]

FINANCIAL STRESS INDICATOR	1980	1984	1985	1986	1987					
					Total	North-east ¹	Corn Belt ²	South ³	Plains ⁴	West ⁵
Average delinquency rate ^{6,7}	(NA)	4.4	5.3	6.0	2.7	2.9	2.3	3.0	2.9	3.2
Farm borrowers who had bank financing discontinued	4.5	3.4	4.5	5.6	3.3	3.4	2.8	5.0	3.2	3.5
Farm borrowers loaned-up to practical limit ^{7,8}	27	33	37	39	29	28	25	38	30	35
Farmers in bank lending area who went out of business	2.1	3.6	4.8	4.2	4.6	5.5	4.1	6.5	4.2	3.6
Farmers in bank lending area who went through bankruptcy	(NA)	2.6	3.6	4.2	3.3	3.3	3.4	5.6	2.6	3.0

NA: Not available. ¹ ME, NH, VT, MA, RI, CT, NY, NJ, PA, DE, MD, DC, MI, WI, and MN. ² OH, IN, IL, IA, and MO. ³ VA, WV, NC, SC, GA, FL, KY, TN, AL, MS, AR, and LA. ⁴ ND, SD, NE, KS, OK, and TX. ⁵ MT, ID, WY, CO, NM, AZ, UT, NV, WA, OR, CA, AK, and HI. ⁶ Percentage of dollar farm loan volume 30 days or more delinquent. ⁷ As of June of year shown. ⁸ Farm customers who have reached their maximum debt load.

Source: American Bankers Association, Washington, DC, *Agricultural Banker*, selected issues.

NO. 1093. NET CASH INCOME AND NET CASH FLOW FROM FARMING: 1970 TO 1987

[In billions of dollars. Net cash income is for farm operators from their farming operation and net cash flow is for the agricultural sector. Minus sign (–) indicates net loan redemption or decrease]

ITEM	1970	1975	1976	1978	1980	1981	1982	1983	1984	1985	1986	1987
Net cash income	18.4	29.6	33.1	33.4	34.2	32.8	37.8	36.9	38.7	48.6	51.4	57.1
Gross cash income	54.6	80.7	117.3	135.1	143.3	146.0	150.8	150.4	155.2	156.8	152.0	160.4
Cash expenses	36.4	51.1	84.2	101.7	109.1	113.2	112.8	113.5	116.6	110.2	100.6	103.3
Change in loans outstanding	2.3	9.2	18.5	24.2	15.2	15.5	7.2	3.2	–1.9	–15.6	19.9	12.6
Real estate loans	1.1	4.8	8.3	13.0	9.9	9.0	3.8	2.3	1.1	6.0	10.7	7.7
Nonreal estate loans ¹	1.2	4.6	8.3	11.2	5.3	6.5	3.4	.9	.8	9.6	9.2	4.9
Net change in operators' currency and demand deposits	1	1	1	1	1	2	2	3	2	7	11	2
Net rent received by nonoperator landlords	2.1	4.0	4.0	6.2	6.1	6.2	6.1	5.1	4.6	4.2	6.7	7.0
Capital expenditures	6.8	12.4	17.9	20.1	18.0	18.8	13.3	12.7	12.5	9.6	8.5	9.8
Net cash flow ²	16.1	30.5	35.8	43.8	37.8	37.8	39.1	32.6	39.1	30.2	30.8	41.4

¹ Excludes Commodity Credit Corporation loans. ² Net cash income plus change in loans outstanding plus net change in currency and demand deposits plus net rent received by non-operator landlords minus capital expenditures.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector National Financial Summary*, annual.

NO. 1094. GROSS FARM PRODUCT—SUMMARY: 1970 TO 1987

[In billions of dollars. For definition of gross product, see text, section 14. Minus sign (–) indicates decrease]

ITEM	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
CURRENT DOLLARS																		
Total value of farm output ¹	55.1	58.8	125.7	148.5	148.4	154.3	159.8	142.8	155.5	155.8	143.3	143.3	141.7	144.9	133.7	138.4	133.4	138.4
Farm marketings cash receipts ²	50.5	55.9	112.2	131.5	139.8	142.1	142.9	133.1	141.7	144.9	133.7	133.7	131.1	141.7	133.7	138.4	133.4	138.4
Farm products consumed ³	.8	1.1	1.1	1.2	1.1	1.1	1.0	1.1	1.1	.8	.8	.8	.8	.8	.8	.8	.8	.8
Change in farm inventories ⁴	–	3.4	2.1	5.0	–5.9	5.6	–1.4	–7.5	7.1	–3.9	–1.9	–1.5	–	–	–	–	–	–
Gross rental value of farm housing	3.3	5.4	8.1	8.9	11.0	12.6	12.9	12.1	12.2	10.9	9.6	9.2	12.2	10.9	9.6	9.2	9.2	9.2
Less: Intermediate products purchased ⁴	28.8	49.5	65.4	77.7	62.9	64.5	62.0	63.6	69.2	63.4	72.9	77.5	63.6	69.2	63.4	72.9	77.5	77.5
Equals: Gross farm product	26.3	66.3	60.3	71.9	86.5	79.8	77.9	69.3	77.5	75.4	75.4	75.8	77.9	75.4	75.4	75.8	75.8	75.8
Less: Capital consumption allowances ⁵	5.9	10.4	14.5	16.4	18.9	20.8	22.0	22.4	22.4	22.0	21.2	20.5	22.0	22.4	22.0	21.2	20.5	20.5
Indirect business taxes	2.0	2.5	2.8	3.0	3.0	3.2	3.3	3.2	3.0	3.1	3.0	3.1	3.2	3.0	3.1	3.0	3.1	3.1
Plus: Subsidies to farm operators	3.3	.7	2.5	1.1	1.1	1.6	2.4	7.9	7.0	6.3	9.6	13.8	7.9	7.0	6.3	9.6	13.8	13.8
Equals: Farm national income	21.7	39.1	45.5	55.4	44.7	37.3	34.9	41.7	39.2	38.8	40.7	40.1	41.7	39.2	38.8	40.7	40.1	40.1
CONSTANT (1982) DOLLARS																		
Total value of farm output ¹	135.3	138.8	149.8	155.8	151.7	159.3	159.0	143.1	155.2	154.1	142.3	142.3	132.4	133.2	130.7	147.1	149.7	149.7
Farm marketings cash receipts ²	112.7	117.4	129.8	132.5	139.5	135.9	142.9	132.4	133.2	130.7	147.1	149.7	132.4	133.2	130.7	147.1	149.7	149.7
Farm products consumed ³	1.7	2.0	1.5	1.4	1.2	1.1	1.0	1.1	1.0	1.0	.8	.8	1.1	1.0	1.0	.8	.8	.8
Change in farm inventories ⁴	.8	1.4	.6	4.6	–4.7	4.9	–1.4	–6.3	4.6	–4.3	–2.5	–2.5	–	–	–	–	–	–
Gross rental value of farm housing	15.3	16.4	15.4	14.9	14.3	13.6	12.9	12.3	12.1	11.7	11.4	11.1	12.3	12.3	12.1	11.7	11.4	11.1
Less: Intermediate products purchased ⁴	74.5	73.8	68.8	91.2	67.6	63.5	62.0	61.8	66.7	64.7	78.5	82.5	61.8	66.7	64.7	78.5	82.5	82.5
Equals: Gross farm product	68.7	64.6	61.0	64.8	64.3	75.7	77.9	61.3	68.5	75.4	63.7	62.6	77.9	68.5	75.4	63.7	62.6	62.6
Less: Capital consumption allowances ⁵	16.0	19.0	21.0	21.7	22.3	22.2	22.0	21.4	20.8	20.0	19.0	18.0	22.0	21.4	20.8	20.0	19.0	18.0
Indirect business taxes	2.6	2.8	2.6	2.8	2.8	3.3	3.3	2.7	3.0	3.4	3.6	3.6	3.3	3.0	3.4	3.6	3.6	3.6
Plus: Subsidies to farm operators	1.6	1.6	2.0	2.1	2.3	2.2	2.4	2.0	2.0	2.5	2.4	2.4	2.4	2.0	2.0	2.5	2.4	2.4
Equals: Farm national income	43.7	44.7	39.3	42.2	41.4	52.4	54.6	39.3	48.6	58.6	45.6	45.6	54.6	48.6	58.6	45.6	45.6	45.6

– Represents zero. ¹ Includes other farm income not shown separately. ² Includes not CCC loans. ³ In farm households where raised. ⁴ Net of deflator's gain. ⁵ With capital consumption adjustment.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1969–82*, and *Survey of Current Business*, July issues.

NO. 1095. FARM INCOME AND EXPENSES: 1970 TO 1987

[In billions of dollars. See also *Historical Statistics, Colonial Times to 1970*, series K 182, K 259–260, K 264–265, and K 328]

ITEM	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Gross income from farming	58.8	100.8	117.3	136.1	143.3	146.0	160.6	150.4	155.2	166.6	152.0	152.0	150.4	155.2	166.6	152.0	152.0	152.0
Cash income	54.6	90.7	117.3	136.1	143.3	146.0	160.6	150.4	155.2	166.6	152.0	152.0	150.4	155.2	166.6	152.0	152.0	152.0
Marketings, cash receipts	50.5	55.9	112.4	131.5	139.7	141.6	142.6	136.6	142.4	144.0	136.1	136.1	131.1	141.7	133.7	138.4	133.4	138.4
Crops	21.0	45.8	53.2	62.3	71.7	72.5	72.3	67.1	69.5	74.2	63.6	61.9	67.1	69.5	74.2	63.6	61.9	61.9
Net CCC loans ²	1	.2	(2)	– .9	.5	3.1	9.1	– .7	– .8	11.8	8.3	.2	– .7	– .8	11.8	8.3	.2	.2
Livestock	29.5	43.1	69.2	69.2	69.0	69.2	70.3	69.4	73.0	69.8	71.5	78.2	69.4	73.0	69.8	71.5	78.2	78.2
Government payments	3.7	.8	3.0	1.4	1.3	1.9	3.5	9.3	8.4	7.7	11.8	16.7	9.3	8.4	7.7	11.8	16.7	16.7
Other farm income ¹	.6	1.0	1.9	2.2	2.3	2.5	4.5	4.5	4.4	5.0	5.1	6.8	4.5	4.4	5.0	5.1	6.8	6.8
Value of home consumption	.8	1.1	1.2	1.3	1.2	1.2	1.1	1.1	.9	.9	.8	.8	1.1	1.1	.9	.9	.8	.8
Rental value of dwellings	3.3	5.4	8.1	9.3	11.0	12.6	12.9	12.1	12.2	10.9	9.6	9.2	12.2	10.9	9.6	9.2	9.2	9.2
Value of change in inventories ³	(2)	3.4	1.9	5.0	–6.3	6.5	–1.4	–10.8	6.3	–2.4	–2.9	–.6	–10.8	6.3	–2.4	–2.9	–.6	–.6
Expenses of farm production	44.5	75.1	103.2	123.3	123.1	129.4	146.0	140.4	142.7	134.0	122.3	123.5	140.4	142.7	134.0	122.3	123.5	123.5
Intermediate products	25.2	42.5	60.2	71.9	76.1	76.8	73.7	75.8	75.0	72.2	65.8	68.6	73.7	75.8	75.0	72.2	65.8	68.6
Farm origin	13.3	20.0	28.8	35.2	34.9	33.3	31.4	33.5	32.8	30.3	28.9	31.1	31.4	33.5	32.8	30.3	28.9	31.1
Feed purchased	8.0	12.9	16.0	19.3	21.0	20.8	18.6	21.7	19.9	18.0	16.2	16.1	21.7	19.9	18.0	16.2	16.1	16.1
Livestock, poultry purchased	4.3	5.0	10.2	13.0	10.7	9.0	6.7	6.8	9.5	9.0	8.7	12.0	6.7	6.8	9.5	9.0	8.7	12.0
Seed purchased ⁴	.9	2.1	2.9	3.2	3.2	3.4	3.2	3.0	3.4	3.4	3.0	3.0	3.2	3.0	3.4	3.4	3.0	3.0
Manufactured inputs	5.4	12.4	15.3	17.8	22.4	23.9	22.2	20.9	21.5	21.0	17.0	18.8	22.2	20.9	21.5	21.0	17.0	18.8
Fertilizer and lime	2.4	6.7	8.6	7.4	9.5	9.4	8.0	7.1	7.4	7.3	5.9	5.4	8.0	7.1	7.4	7.3	5.9	5.4
Pesticides	1.0	1.9	2.7	3.4	3.5	4.2	4.3	4.2	4.6	5.0	4.5	4.6	4.3	4.2	4.6	5.0	4.5	4.6
Fuel and oil	1.7	3.2	4.6	5.6	7.9	8.8	7.9	7.6	7.1	6.6	4.8	4.4	7.9	7.6	7.1	6.6	4.8	4.4
Electricity	.3	.6	1.4	1.4	1.5	1.7	2.0	2.1	2.2	2.1	1.9	2.4	2.0	2.1	2.2	2.1	1.9	2.4
Repairs and maintenance ⁵	2.8	4.5	6.6	7.3	7.8	7.6	6.4	6.5	6.4	6.4	6.4	6.5	6.4	6.5	6.4	6.4	6.4	6.5
Other ⁶	3.7	5.6	9.6	11.5	11.2	11.9	13.8	14.9	15.3	14.5	13.5	14.1	13.8	14.9	15.3	14.5	13.5	14.1
Interest	3.4	5.4	10.2	13.1	16.3	19.9	21.8	21.4	21.1	18.7	15.9	15.5	21.8	21.4	21.1	18.7	15.9	15.5
Real estate	1.6	3.3	5.1	8.2	7.6	9.1	10.5	10.8	10.7	9.1	8.2	8.2	10.5	10.8	10.7	9.1	8.2	8.2
Non-real estate	1.6	3.1	5.2	8.9	8.7	10.7	11.3	10.6	10.4	8.8	7.3	7.3	10.7	10.6	10.4	8.8	7.3	7.3
Contract, hired labor expenses ⁷	4.3	6.8	8.3	9.0	9.3	8.9	10.1	9.7	9.7	9.8	9.9	10.7	9.7	9.7	9.7	9.8	9.9	10.7
Net rent to nonoperator landlords	2.1	4.0	4.0	6.2	6.1	6.2	6.1	6.1	6.6	6.2	6.7	7.0	6.1	6.6	6.2	6.7	7.0	7.0
Capital consumption ⁸	6.9	12.4	17.0	18.3	21.6	23.6	24.3	23.9	23.1	20.8	17.3	17.3	24.3	23.9	23.1	20.8	17.3	17.3
Property taxes	2.6	3.2	3.6	3.9	3.9	4.2	4.0	4.5	4.1	4.1	4.1	4.3	4.0	4.5	4.1	4.1	4.1	4.3
Net income of farm operators	14.4	35.5	36.3	27.4	16.1	28.9	22.9	12.7	22.3	32.3	37.8	49.3	22.9	22.3	32.3	37.8	49.3	49.3
from farming	14.4	35.5	36.3	27.4	16.1	28.9	22.9	12.7	22.3	32.3	37.8	49.3	22.9	22.3	32.3	37.8	49.3	49.3
In constant (1982) dollars	34.2	43.1	34.9	34.8	18.8	28.6	22.9	12.2	29.9	29.1	32.8	39.3	22.9	22.3	32.3	37.8	49.3	49.3

Z Less than \$50 million. ¹ Forest product sales are included in cash receipts for crops for 1970 and 1976 and in other farm income beginning 1978. ² Commodity Credit Corporation (CCC) loans made minus loans repaid. ³ Minus sign (–) indicates decrease in inventories. ⁴ Includes bulbs, plants, and trees. ⁵ Expenditures for repairs and maintenance of farm buildings, motor vehicles, and machinery. ⁶ Includes machine hire and customwork expenses; marketing, storage, and transportation expenses and miscellaneous expenses. Beginning 1978 data not strictly comparable with prior years. ⁷ Includes Social Security payments and perquisites. ⁸ Depreciation and accidental damage.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: National Financial Summary*, annual.

No. 1086. FARM INCOME—CASH RECEIPTS FROM FARM MARKETINGS: 1970 TO 1987

[Represents gross receipts from commercial market sales as well as net Commodity Credit Corporation loans. See also *Historical Statistics, Colonial Times to 1970*, series K 288-302]

ITEM	FARM MARKETINGS (mil. dol.)								PERCENT		
	1970	1975	1980	1981	1984	1985	1986	1987	1970	1980	1987
Total	88,808	88,982	136,757	136,867	142,438	144,015	136,102	136,894	100.0	100.0	100.0
All crops	20,977	45,813	71,740	67,129	69,469	74,173	63,554	61,878	41.5	51.3	44.8
Feed crops	5,109	12,183	16,308	15,535	15,688	22,520	16,982	13,061	10.1	13.1	9.5
Corn	3,326	8,530	13,959	10,857	10,479	16,852	12,544	8,807	6.6	10.0	6.4
Hay	814	1,367	1,917	2,157	2,222	2,348	2,094	2,223	1.2	1.4	1.6
Sorghum	641	1,302	1,382	1,220	1,486	1,661	1,338	1,009	1.3	1.0	0.7
Barley	298	625	736	891	1,086	1,040	822	782	.8	.5	.8
Oil-bearing crops	2,591	7,480	15,488	13,546	13,641	12,474	10,592	10,800	7.1	11.1	7.8
Soybean	3,164	6,637	14,241	12,154	11,957	11,190	9,211	9,595	6.3	10.2	6.9
Peanut	300	742	607	802	1,233	1,006	1,075	1,016	.7	.4	.7
Food grains	2,542	8,195	10,402	9,719	9,740	8,993	5,891	5,411	5.0	7.4	3.9
Wheat	2,067	7,026	8,954	8,777	8,598	7,911	4,890	4,899	4.1	6.3	3.5
Rice	447	1,136	1,519	892	1,096	1,042	722	516	.1	1.1	.4
Vegetables ¹	2,814	5,346	7,307	6,459	8,137	8,568	8,630	9,223	5.6	5.2	6.7
Potatoes	(NA)	(NA)	(NA)	1,899	1,921	1,804	1,371	1,596	(NA)	(NA)	1.2
Tomatoes	(NA)	(NA)	(NA)	1,137	1,240	1,198	1,265	1,283	(NA)	(NA)	.9
Fruits, tree nuts ¹	2,071	3,563	6,567	6,066	6,737	8,843	7,288	7,899	4.1	4.7	5.7
Oranges	(NA)	(NA)	(NA)	1,336	1,357	1,340	1,186	1,300	(NA)	(NA)	.9
Apples	(NA)	(NA)	(NA)	738	851	892	990	1,091	(NA)	(NA)	.8
Cotton lint, seed	1,254	2,311	4,447	3,705	3,674	3,667	3,551	4,027	2.5	3.2	2.9
Tobacco	1,368	2,165	2,672	2,752	2,813	2,722	1,916	1,827	2.7	1.9	1.3
Greenhouse, nursery				4,529	5,227	5,443	5,846	6,402			4.6
Other ¹	2,208	4,579	6,580	2,836	2,833	2,935	3,114	3,256	4.4	4.7	2.4
All livestock and products	29,532	43,089	67,991	69,436	72,966	69,842	71,548	76,218	56.5	48.7	55.2
Cattle and calves	13,833	17,520	31,819	26,862	30,682	29,067	26,923	33,829	27.0	22.8	24.5
Dairy products	6,527	9,823	16,365	16,763	17,844	18,083	17,753	17,529	12.9	11.7	12.9
Hogs	4,478	7,916	8,842	9,785	9,703	9,029	8,716	10,326	8.9	6.4	7.8
Broilers	1,464	2,953	4,305	4,873	5,018	5,080	5,777	6,176	2.9	3.1	4.5
Eggs	2,109	2,614	3,247	3,451	4,090	3,252	3,508	3,177	4.2	2.3	2.3
Turkeys	499	794	1,275	1,269	1,898	1,619	1,952	1,701	1.0	.9	1.2
Horses and mules	(?)	(?)	(?)	580	580	580	500	540	(?)	(?)	.4
Sheep and lambs	334	386	471	428	466	503	484	560	.7	.3	.3
Other poultry ²	177	290	337	366	290	307	316	319	.4	.2	.2
Other ³	* 313	* 534	* 1,239	1,241	1,567	1,572	1,680	1,761	*.6	*.9	1.3

NA Not available. ¹ Includes included with vegetables. ² Sugar crops, forest products (for 1970 and 1975), mushrooms, legume and grass seeds, hops, mint, brown-corn, popcorn, hemp fiber and seed, and flax fiber. ³ Horses and mules included in other. ⁴ Farm chickens, ducks, geese, guinea, pigeons, quail, pheasants, and turkey hatching eggs. ⁵ Wool, mohair, honey, aquaculture, and other livestock.

No. 1087. GOVERNMENT PAYMENTS TO FARMS, BY PROGRAM: 1960 TO 1987

[In millions of dollars. See also *Historical Statistics, Colonial Times to 1970*, series K 325-329]

PROGRAM	1960	1965	1968	1969	1970	1987	PROGRAM	1963	1968	1969	1970	1983	1987
Total	1,286	6,396	6,436	7,705	11,514	16,747	Fleece	2	278	182	577	423	476
Feed grain	362	1,346	367	2,861	5,188	6,480	Wool	29	84	118	89	112	144
Wheat	211	804	1,795	1,950	3,500	2,931	Conservation	214	188	191	189	254	1,531
Cotton	172	862	275	1,106	1,042	1,204	Miscellaneous	279	* 5,674	* 5,483	* 924	1,325	1,972

¹ Includes value of commodities transferred to farmers under the payment-in-kind program (PIK). For 1963, \$5.2 billion; for 1964, \$4.5 billion; and for 1965, \$1 billion.

No. 1088. FARMS, FARM INCOME, ASSETS, AND DEBT, BY VALUE OF SALES: 1987

[Minus sign (-) indicates loss]

FARMS WITH VALUE OF SALES OF—	Number of farms ¹ (1,000)	Gross income ² (bil. dol.)	Cash receipts (bil. dol.)	Govt. payments (mil. dol.)	Net income ³ (bil. dol.)	Assets ⁴ (bil. dol.)	Debt ⁵ (bil. dol.)	Debt/asset ratio ⁶ (percent)	PERCENT DISTRIBUTION		
									Number of farms ¹	Gross income ²	Assets ⁴
Total	2,176	176.4	136.1	16,747	66.9	813.1	183.3	16.9	100.0	100.0	100.0
Less than \$5,000	837	6.1	1.6	312	-1.2	102.0	9.4	9.2	38.5	3.6	12.5
\$5,000-\$9,999	302	4.6	2.2	514	.3	49.3	6.2	10.8	13.9	2.6	6.1
\$10,000-\$19,999	241	6.6	3.4	827	.5	52.3	6.8	12.6	11.1	3.2	6.4
\$20,000-\$39,999	208	8.5	5.8	1,529	1.3	65.3	9.3	14.2	9.8	5.0	8.0
\$40,000-\$99,999	206	24.4	18.1	4,271	5.4	146.2	25.9	17.6	13.2	14.3	18.0
\$100,000-\$249,999	201	37.7	30.4	5,263	10.4	179.9	38.5	20.3	9.2	22.2	22.1
\$250,000-\$499,999	71	28.6	24.7	2,705	8.1	113.2	25.9	22.3	3.2	16.9	13.9
\$500,000 and over	29	54.9	51.6	1,329	21.2	106.0	35.3	33.9	1.3	32.2	12.9

¹ Based on 1974 census definition. See text, section 23. ² Data are before inventory adjustment. For components of income, see table 1086. ³ Data as of December 31. Includes farm households.

Source of tables 1086-1088: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: National Financial Summary, 1987*.

NO. 1099. FARM ASSETS, DEBT, AND INCOME, BY STATE: 1986 AND 1987

[Assets and debt, as of December 31. Includes farm operator households. Farm income data are after inventory adjustment]

DIVISION AND STATE	ASSETS (mil. dol.)		DEBT (mil. dol.)		Debt/ asset ratio, ¹ 1987 (per- cent)	GROSS FARM INCOME (mil. dol.)		NET FARM INCOME (mil. dol.)		Net farm in- come/ ratio, ¹ 1987 (per- cent)
	1986	1987	1986	1987		1986	1987	1986	1987	
U.S.	709,419	819,074	196,815	183,291	27.7	199,833	199,798	37,496	46,264	23.1
N.E.:										
ME	2,369	2,655	371	361	15.7	457	532	62	137	37.4
NH	1,241	1,379	77	70	5.1	153	148	35	33	44.9
VT	2,950	3,062	352	330	10.9	499	479	99	124	24.8
MA	2,794	3,242	248	241	7.4	524	505	204	162	74.5
RI	382	549	27	27	4.9	99	99	49	48	172.2
CT	2,391	2,787	210	191	8.8	449	444	152	155	77.3
N.E.A.:										
NY	13,212	13,391	2,817	2,423	18.1	2,910	2,674	562	612	24.3
NJ	8,029	8,563	417	394	5.0	750	798	280	298	71.1
PA	20,659	21,620	2,533	2,419	11.1	3,638	3,758	897	1,050	42.4
E.N.C.:										
OH	22,578	23,288	3,921	3,544	15.2	4,139	4,192	614	956	25.8
IN	22,644	23,299	5,995	5,112	21.6	4,962	4,840	745	830	17.2
IL	40,793	42,809	6,586	7,711	18.0	7,875	7,725	1,493	1,577	19.4
MI	15,134	15,312	3,746	3,329	21.7	3,206	3,264	594	731	20.7
WI	21,439	21,312	6,131	5,640	28.5	5,656	5,828	1,458	1,741	29.6
W.N.C.:										
MN	26,343	26,636	8,292	7,456	26.0	7,131	7,409	1,695	1,999	25.4
IA	39,828	44,917	11,490	10,220	22.8	10,522	11,080	2,321	2,777	25.8
MO	26,496	27,304	5,529	5,043	18.5	4,256	4,476	757	995	18.8
ND	17,558	18,129	4,106	3,848	21.2	3,144	3,143	690	754	19.0
SD	13,294	14,479	3,944	3,559	24.6	3,031	3,363	727	963	25.7
NE	24,974	26,765	7,076	6,497	24.3	6,090	6,874	1,787	2,084	30.4
KS	24,961	26,945	6,082	5,960	21.0	6,927	7,266	1,459	1,987	26.7
S.A.:										
DE	1,468	1,541	284	281	18.2	556	526	186	145	51.5
MD	6,329	6,648	1,005	995	14.2	1,951	1,345	370	378	38.8
VA	14,968	15,001	2,066	1,995	12.8	2,036	2,139	404	499	24.8
WV	2,896	3,112	301	304	9.8	344	318	44	29	9.6
NC	16,990	16,516	3,218	2,937	17.8	4,322	4,563	1,166	1,418	46.1
SC	6,366	6,701	1,284	1,180	17.3	1,047	1,204	120	199	23.1
GA	15,612	16,030	3,548	3,349	20.9	3,821	3,746	1,062	1,215	35.2
FL	23,078	25,060	3,871	3,622	14.5	5,022	5,472	1,970	2,306	61.6
E.S.C.:										
KY	17,379	17,526	3,339	2,949	16.8	2,787	2,950	649	670	27.7
TN	19,115	20,389	2,487	2,279	11.2	2,366	2,663	399	642	27.0
AL	11,463	11,599	1,934	1,723	14.9	2,433	2,556	696	808	44.2
MS	13,056	13,218	3,526	3,265	24.7	2,186	2,582	377	736	21.7
W.S.C.:										
AR	14,221	14,411	3,442	3,221	22.3	3,639	3,864	1,072	1,197	35.9
LA	10,649	10,212	2,585	2,418	23.7	1,678	1,828	184	389	15.5
OK	20,474	20,671	4,626	4,356	21.1	3,412	3,493	871	925	20.6
TX	61,810	61,324	11,974	11,390	14.0	10,710	12,534	2,374	3,726	31.9
Mt.:										
MT	13,933	14,204	3,351	3,034	21.4	1,767	1,851	258	349	10.9
ID	11,469	11,753	2,915	2,643	22.5	2,371	2,564	463	624	22.5
WY	6,817	6,652	934	847	12.7	679	748	5	62	6.9
CO	16,584	17,021	3,865	3,229	19.0	3,581	4,014	545	799	22.6
NM	7,036	7,671	1,191	1,106	14.4	1,199	1,324	219	292	25.4
AZ	10,540	9,495	1,783	1,729	16.2	1,750	2,065	199	601	34.2
UT	6,631	6,361	899	799	12.6	727	751	129	176	20.8
NV	2,421	2,309	367	340	14.7	244	256	25	49	13.4
Pac.:										
WA	16,842	15,976	3,277	3,076	20.0	3,615	3,711	1,210	1,314	41.4
OR	12,242	12,140	2,943	2,644	21.8	2,236	2,373	665	789	26.2
CA	56,912	56,160	14,252	13,188	23.5	15,478	16,789	4,618	5,682	41.4
AK	446	446	37	31	6.8	36	39	14	15	44.2
HI	4,297	4,302	373	355	8.2	604	598	185	176	48.8

¹ Total debt in this ratio is an average for the yearSource: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: State Financial Summary, 1987*

**NO. 1100. FARM INCOME—FARM MARKETINGS, 1986 AND 1987, GOVERNMENT PAYMENTS, 1987, AND
PRINCIPAL COMMODITIES, 1987 BY STATE**

(In millions of dollars. Cattle include calves; sheep include lambs; and greenhouse includes nursery)

DIVISION AND STATE	1986			1987				State rank for total farm marketings and principal commodities in order of marketing receipts and as percentage of total marketings
	Farm marketings			Farm marketings			Government payments	
	Total	Crops	Live-stock and products	Total	Crops	Live-stock and products		
U.S.	135,102	52,554	71,548	136,864	51,576	76,218	16,747	Cattle, dairy products, hogs, soybeans (52%)
ME	1,789	729	1,061	1,763	744	1,018	29	
NE	365	140	247	413	170	243	8	42—Potatoes, dairy products, eggs, cattle (74%)
NH	110	36	72	104	36	68	3	48—Dairy products, greenhouse, cattle, apples (77%)
VT	367	36	361	412	35	377	7	43—Dairy products, cattle, hay, apples (94%)
MA	416	266	130	393	266	124	5	44—Greenhouse, dairy products, cranberries, eggs (74%)
RI	76	64	12	75	63	12	(2)	46—Greenhouse, dairy products, eggs, potatoes, (85%)
CT	374	196	209	366	170	196	5	45—Greenhouse, eggs, dairy products, tobacco (77%)
MA	6,317	2,117	4,200	6,314	2,064	4,250	192	
NY	2,580	782	1,808	2,527	726	1,800	109	21—Dairy products, greenhouse, cattle, apples (75%)
NJ	582	432	150	563	423	140	11	36—Greenhouse, dairy products, eggs, tomatoes (52%)
PA	3,145	903	2,242	3,224	905	2,319	72	14—Dairy products, cattle, greenhouse, eggs (88%)
E.M.C.	21,860	10,999	10,861	20,888	9,751	11,236	3,377	
OH	3,589	2,004	1,586	3,422	1,808	1,614	432	13—Soybeans, dairy products, corn, hogs (66%)
IN	4,061	2,201	1,860	3,972	2,016	1,956	670	10—Corn, soybeans, hogs, cattle (74%)
IL	6,766	4,812	2,155	6,174	3,913	2,262	1,476	5—Corn, soybeans, hogs, cattle (85%)
MI	2,567	1,327	1,241	2,504	1,219	1,286	391	22—Dairy products, cattle, hogs, corn (54%)
WI	4,857	645	4,022	5,017	795	4,221	406	9—Dairy products, cattle, hogs, corn (85%)
W.M.C.	26,351	15,119	20,232	26,866	13,336	22,530	7,136	
IA	6,030	2,622	3,408	5,809	2,165	3,645	1194	6—Dairy products, cattle, hogs, soybeans (69%)
IA	6,864	4,003	4,961	6,780	3,510	5,270	1,986	3—Hogs, cattle, soybeans, corn (92%)
MO	3,506	1,537	1,969	3,691	1,517	2,173	480	12—Cattle, soybeans, hogs, dairy products (73%)
ND	2,310	1,639	671	2,306	1,548	760	720	24—Wheat, cattle, barley, sunflowers (69%)
SD	2,375	669	1,487	2,723	813	1,910	505	20—Cattle, hogs, wheat, soybeans (75%)
NE	6,813	2,662	4,251	6,823	1,975	4,848	1,275	4—Cattle, corn, hogs, soybeans (86%)
KS	5,333	1,867	3,466	5,722	1,807	3,914	966	7—Cattle, wheat, sorghum grain, soybeans (85%)
SA	16,114	8,867	8,046	16,466	8,466	7,967	781	
DE	521	119	402	485	114	370	12	41—Broilers, greenhouse, soybeans, dairy products (81%)
MD	1,186	374	811	1,129	364	734	49	35—Broilers, dairy products, greenhouse, cattle (70%)
VA	1,629	479	1,151	1,662	446	1,244	87	31—Cattle, dairy products, broilers, tobacco (61%)
WV	215	59	156	221	52	169	11	47—Cattle, dairy products, broilers, apples (72%)
NC	3,757	1,586	2,171	3,715	1,634	2,081	190	11—Tobacco, broilers, hogs, turkeys (56%)
SC	696	442	456	931	470	461	114	36—Tobacco, cattle, dairy products, soybeans (46%)
GA	3,195	1,312	1,884	3,087	1,261	1,826	245	17—Broilers, peanuts, cattle, eggs (60%)
FL	4,714	3,696	1,018	5,227	4,125	1,102	43	8—Greenhouse, oranges, tomatoes, cattle (51%)
S.E.C.	6,672	3,187	4,676	6,476	3,266	5,213	763	
KY	2,402	1,040	1,362	2,417	913	1,506	178	23—Horses, cattle, tobacco, dairy products (72%)
TN	1,854	813	1,041	1,933	826	1,107	157	26—Cattle, dairy products, cotton, greenhouse (51%)
AL	2,020	596	1,425	2,146	566	1,580	125	25—Broilers, cattle, eggs, greenhouse (71%)
MS	1,796	749	1,046	1,979	839	1,040	303	27—Cotton, broilers, soybeans, cattle (71%)
W.S.C.	15,843	5,719	9,824	16,401	5,853	10,748	2,411	
AR	3,005	966	2,017	3,143	1,027	2,116	366	16—Broilers, soybeans, cattle, cotton (67%)
LA	1,352	637	515	1,420	699	521	209	32—Cotton, soybeans, cattle, sugar (56%)
OK	2,582	706	1,874	2,752	700	2,052	363	19—Cattle, wheat, dairy products, broilers (78%)
TX	8,704	3,186	5,518	9,066	3,027	6,059	1,441	2—Cattle, cotton, dairy products, greenhouse (73%)
MR	19,173	3,990	6,214	18,864	4,241	6,756	1,393	
MT	1,121	469	652	1,347	567	780	352	33—Cattle, wheat, barley, dairy products (85%)
ID	1,936	1,052	884	2,047	1,120	926	234	26—Cattle, potatoes, dairy products, wheat (66%)
WY	566	116	451	642	114	529	36	37—Cattle, sugar beets, sheep, hay (87%)
CO	3,106	666	2,218	3,191	870	2,321	342	15—Cattle, wheat, dairy products, corn (79%)
NM	1,016	304	712	1,147	331	817	93	34—Cattle, dairy products, hay, greenhouse (76%)
AZ	1,614	818	896	1,781	1,007	774	87	30—Cattle, cotton, dairy products, lettuce (66%)
UT	576	134	442	595	134	462	45	36—Cattle, dairy products, hay, turkeys (72%)
NV	236	79	159	243	76	167	4	46—Cattle, hay, dairy products, potatoes (89%)
Pac.	16,623	13,666	6,163	20,812	14,337	6,477	663	
WA	2,807	1,826	980	2,841	1,860	982	292	16—Dairy products, apples, cattle, wheat (57%)
OR	1,778	1,124	654	1,861	1,206	655	127	29—Cattle, greenhouse, dairy products, wheat (46%)
CA	14,048	10,209	4,435	15,522	10,781	4,741	462	1—Dairy products, cattle, greenhouse, grapes (41%)
AK	26	18	10	29	19	11	2	50—Greenhouse, dairy products, hay, potatoes (80%)
HI	565	461	84	556	471	86	(2)	40—Sugar, pineapples, greenhouse, nuts (73%)

Z Less than \$500 thousand.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector State Financial Summary, 1987*.

No. 1101. COMMODITY CREDIT CORPORATION—SUMMARY: 1970 TO 1987

[In millions of dollars. As of and of fiscal year or for fiscal years ending in year shown; see text, section 9. The Commodity Credit Corporation is a wholly government-owned corporation. Its purpose is stabilizing, supporting, and protecting farm income and prices; assisting in maintenance of balanced adequate supplies of agricultural commodities; and facilitating orderly distribution of agricultural commodities. See also *Historical Statistics, Colonial Times to 1970*, series K 330-343.]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
LOAN ACTIVITY ¹											
Loans made	2,988	852	4,576	4,229	5,846	11,454	13,710	5,131	10,187	17,391	18,508
Loans repaid	1,930	636	4,046	4,146	5,741	4,828	9,373	10,581	4,458	5,675	13,894
Loans cancelled by acquisition of collateral	1,073	100	318	115	71	383	860	1,032	1,536	5,583	6,144
Loans outstanding ²	2,982	236	5,216	5,119	5,183	11,833	15,064	6,571	12,831	18,989	18,174
Wheat	578	4	818	837	1,871	3,321	4,182	3,414	4,891	3,753	2,836
Corn	832	39	1,301	1,617	829	4,210	5,274	1,238	2,766	7,878	7,424
Cotton	170	143	80	36	76	714	960	67	376	1,076	480
Tobacco	845	119	903	615	784	887	1,738	2,084	2,538	2,335	2,071
COMMODITY INVENTORY OPERATIONS											
Acquisitions, value ^{2,3}	1,518	886	1,057	2,788	2,807	2,888	8,894	8,741	4,294	9,912	17,817
Purchases	398	735	677	2,843	2,503	2,888	7,844	7,676	2,818	4,185	11,212
Collateral acquired from loans	1,120	100	330	116	4	375	990	1,065	1,476	5,717	6,405
Wheat	217	4	40	601	26	27	1,800	1,563	919	2,198	1,802
Corn	49	2	185	416	21	178	3,132	2,591	192	2,287	10,318
Cotton	304	(2)	(2)	1	(2)	(2)	175	1,088	69	688	1,273
Dairy products	253	480	247	1,262	1,991	2,282	2,716	1,983	1,820	2,036	956
Commodities owned, value ²	1,888	416	1,162	2,737	3,737	5,189	10,227	7,388	6,821	11,980	11,736
Wheat	405	2	118	705	679	679	1,533	1,510	1,861	3,491	3,272
Corn	293	(2)	208	588	685	709	3,382	1,046	757	1,757	4,172
Cotton	225	(2)	(2)	1	1	2	174	74	46	226	34
Sorghum	178	(2)	92	93	79	81	580	290	399	725	1,244
Dairy products	134	280	570	1,268	2,395	3,442	4,218	1,178	3,014	2,830	1,439

² Less than \$500,000. ¹ Covers commodity loans and storage facility and equipment loans. The latter were not available after July 1982. ³ Includes amounts for commodities and storage facilities, not shown separately. ⁴ For 1970, includes purchases for commodity export program.

No. 1102. COMMODITY CREDIT CORPORATION—NET OUTLAYS BY COMMODITY AND FUNCTION: 1970 TO 1987

[In millions of dollars. For fiscal year ending in year shown; see text, section 8. Excludes value of commodity certificates which may also be issued to farmers in lieu of cash under certain programs. Minus sign (-) indicates a net receipt (excess of repayments or other receipts over gross outlays of funds).]

COMMODITY AND FUNCTION	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total	3,336	596	3,512	2,732	4,836	11,822	18,861	7,316	17,893	25,841	22,468
Feed grains	1,440	200	1,144	1,286	- 533	5,397	6,515	- 786	5,211	12,211	13,967
Wheat	795	■	308	679	1,543	2,236	3,419	2,535	4,991	■	2,836
Cotton, upland	601	233	141	64	336	1,190	1,363	244	1,553	2,142	1,784
Dairy	57	484	24	1,011	■	2,182	2,526	1,502	2,085	2,337	1,188
Rice	39	(2)	49	- 76	24	184	664	333	990	947	906
Wool	58	18	39	35	42	54	94	132	109	123	152
Honey	1	(2)	- 2	9	8	27	48	80	91	■	73
Peanuts	35	121	27	28	28	12	- 6	1	12	32	8
Sugar	-	-	313	- 405	- 121	- 6	49	10	164	214	- 85
Tobacco	115	- 128	157	- 88	- 51	103	680	348	455	293	- 348
Soybeans	- 181	- 22	4	115	67	169	286	- 585	711	1,597	- 478
Operating expense	57	72	97	157	198	294	325	362	346	457	535
Interest expenditure	312	147	236	618	220	- 13	3,525	1,064	1,435	1,411	1,219
Export programs	46	- 258	- 417	- 889	- 940	65	386	743	134	102	276
Other	126	- 244	656	- 113	■	- 225	- 1,542	1,286	- 314	486	371
Price support loans ¹	552	- 15	2	- 66	174	7,015	6,438	- 27	6,272	13,828	12,189
Direct payments ²	2,195	680	1,811	418	1,030	1,491	3,800	2,117	7,827	6,746	5,862
Purchases ³	- 336	271	10	1,881	1,602	2,031	2,540	1,470	1,331	1,870	479
Producer storage payments	144	(2)	247	254	32	679	944	268	329	486	632
Processing, storage and transportation	215	36	129	259	323	365	■	639	657	1,013	1,859
Operating expense	57	72	97	157	198	294	325	362	346	457	535
Interest expenditure	312	147	236	618	220	- 13	3,525	1,064	1,435	1,411	1,219
Export programs ⁴	146	- 258	- 417	- 889	- 940	65	386	743	134	102	276
Other	614	291	662	300	1,435	265	- 1,807	679	- 648	329	305

- Represents zero. ² Less than \$500,000. ¹ Price support loans made less loans repaid. ² Covers deficiency, diversion, and disaster payments; for 1970 and 1975 includes support and acreage diversion payments; and beginning 1980 includes dairy termination program. ³ Purchases less sales proceeds. ⁴ Export programs include direct export credit sales and commodity export payments in 1970 and 1975. Commodity export payments are included in individual commodity totals in those years. Export programs beginning 1979 include the direct export credit sales program, the export guarantee program, and transfers to the general sales manager.

Source of tables 1101 and 1102: U.S. Agricultural Stabilization and Conservation Service, *Commodity Credit Corporation Report of Financial Condition and Operations*, annual, and *Agricultural Outlook*, monthly.

No. 1103. INDEXES OF PRICES RECEIVED AND PAID BY FARMERS: 1960 TO 1967

(1977 = 100, except as noted. See also *Historical Statistics, Colonial Times to 1970*, series K 344-353)

ITEM	1960	1965	1966	1967	ITEM	1960	1965	1966	1967
Prices received, all products	134	128	133	127	Prices paid, total ²	130	183	189	182
Crops ¹	135	120	107	106	Production ¹	136	151	144	147
Food grains	186	133	109	106	Feed	123	116	108	103
Feed grains and hay	132	122	96	95	Feeder livestock	177	154	153	179
Cotton	114	93	91	98	Seed	116	153	148	148
Tobacco	125	153	136	129	Fertilizer	134	135	124	118
Oil-bearing crops	102	84	77	79	Agricultural chemicals	102	128	127	124
Fruits	124	160	170	182	Fuels and energy	186	201	182	181
Commercial vegetables ³	113	129	130	144	Farm and motor supplies	134	146	144	144
Livestock and products	144	136	136	146	Interest payable per acre	176	237	219	207
Meat animals	156	142	145	183	Taxes payable per acre	115	133	134	136
Dairy products	136	131	129	129	Wage rates ⁴	127	154	180	167
Poultry and eggs	112	119	126	107	Parity ratio (1910-14 = 100) ⁵	95	52	51	59

¹ Includes other items not shown separately. ² Excludes potatoes. ³ Includes production items, interest, taxes, wage rates, and a family living component. The family living component is the Consumer Price Index for all urban consumers from the Bureau of Labor Statistics. See text, section 15, and table 795. ⁴ Straight average of seasonally adjusted indexes. ⁵ Ratio of prices received by farmers to prices paid.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Agricultural Prices: Annual Summary*.

No. 1104. CIVILIAN CONSUMER EXPENDITURES FOR FARM FOODS—FARM VALUE AND MARKETING BILL: 1970 TO 1967

(In billions of dollars, except percent. Excludes imported and nonfarm foods, such as coffee and seafood, as well as food consumed by the military, or exported. See *Historical Statistics, Colonial Times to 1970*, series K 306-350 for data before revisions)

ITEM	1970	1975	1976	1980	1981	1982	1983	1984	1986	1988	1987
Consumer expenditures, total	110.8	167.0	245.2	334.4	367.7	298.8	316.0	332.8	345.4	366.8	377.1
Farm value, total	35.5	55.6	79.2	81.7	83.2	83.7	85.7	91.4	88.3	89.1	93.9
Marketing bill, total ¹	75.1	111.4	166.0	182.7	204.5	215.2	229.3	240.8	257.1	276.5	283.2
Percent of total consumer expenditures	67.8	66.7	67.7	54.9	55.6	72.0	72.8	72.6	74.4	75.2	75.1
At-home expenditures ¹	78.2	116.2	168.4	180.1	194.0	196.7	204.6	213.1	220.6	226.0	232.3
Farm value	29.1	44.0	64.5	65.9	66.8	65.9	66.8	70.7	68.1	67.8	69.7
Marketing bill ¹	49.1	72.2	104.9	114.2	127.4	130.8	137.8	142.4	152.7	158.2	162.6
Percent of at-home expenditures	62.8	62.1	61.9	63.4	65.7	66.5	67.4	66.6	69.2	70.0	70.0
Away-from-home expenditures	32.4	50.8	75.8	84.3	83.7	102.2	110.4	118.9	124.6	133.6	144.8
Farm value	8.4	11.6	14.7	15.6	16.6	17.8	18.9	20.7	20.2	21.3	24.2
Marketing bill ¹	24.0	39.2	61.1	68.5	77.1	84.4	91.5	98.2	104.4	112.3	120.6
Percent of away-from-home expenditures	80.2	77.2	80.6	81.3	82.3	82.6	82.9	82.6	83.8	84.1	83.3
Marketing bill cost components:											
Labor cost ²	32.2	48.3	75.2	81.5	91.0	96.8	102.4	109.3	116.5	124.2	130.7
Packaging materials	6.2	13.3	16.6	21.0	22.6	23.7	24.7	26.2	26.9	27.7	29.5
Rail and truck transport ³	5.2	8.4	11.8	13.0	14.3	14.7	15.4	15.9	16.5	16.8	17.2
Corporate profits before taxes	3.6	7.1	10.4	10.2	10.0	9.8	9.8	9.7	9.5	9.3	9.6
Fuels and electricity	2.2	4.6	8.2	9.0	10.0	11.0	11.7	12.5	13.1	13.3	13.6
Other ⁴	23.7	29.7	41.9	48.0	56.6	59.8	65.3	67.0	74.6	79.2	82.4
Processing	29.7	40.9	60.3	66.5	73.0	74.7	77.6	80.2	87.6	90.9	93.7
Wholesaling	8.7	13.5	18.6	20.4	22.8	25.6	27.1	28.4	29.6	30.6	32.3
Transportation	5.2	8.4	11.8	13.0	14.3	14.7	15.4	15.9	16.5	16.8	17.2
Retailing and food service	31.5	48.6	75.4	83.0	94.4	100.2	108.2	116.1	123.4	132.3	140.0
SELECTED FOOD COMMODITY GROUPS											
Meat products											
Total expenditures	33.7	48.0	80.2	83.3	86.6	91.9	97.9	101.7	103.2	106.3	108.9
Farm value	14.4	20.6	31.5	30.9	31.1	31.5	31.4	32.4	30.5	30.9	34.2
Percent of total	42.7	42.9	39.3	37.0	35.9	34.2	32.1	31.8	29.6	29.1	31.1
Marketing bill ¹	19.4	27.4	48.7	52.5	55.5	60.4	66.5	69.3	72.7	75.4	75.7
Poultry and eggs											
Total expenditures	9.1	12.7	17.4	18.3	19.9	20.3	21.7	24.2	26.0	27.6	30.0
Farm value	4.0	6.3	8.1	8.4	8.6	8.5	9.3	11.0	10.2	11.5	10.1
Percent of total	44.0	49.6	46.8	45.9	44.2	41.9	42.9	45.5	39.2	41.7	33.7
Marketing bill ¹	5.1	6.4	9.3	9.9	11.1	11.8	12.4	13.2	15.6	16.1	18.9
Dairy products											
Total expenditures	16.7	23.3	33.5	37.8	41.4	42.0	45.0	47.4	48.4	51.4	54.0
Farm value	6.9	10.0	14.6	16.0	17.0	16.7	18.0	18.1	17.7	17.8	18.1
Percent of total	41.3	42.9	43.6	42.3	41.1	39.8	40.0	38.2	36.6	34.6	33.5
Marketing bill ¹	9.8	13.3	18.9	21.8	24.4	25.3	27.0	29.3	31.7	33.6	35.9
Fruits and vegetables											
Total expenditures	22.6	36.6	52.5	55.5	62.6	66.7	70.0	74.7	78.5	81.8	86.7
Farm value	5.1	8.4	10.9	11.7	12.3	13.8	13.3	15.1	15.2	14.8	16.6
Percent of total	22.6	23.6	20.8	21.1	21.2	20.7	19.0	20.2	19.4	18.3	19.6
Marketing bill ¹	17.5	27.2	41.6	43.8	49.3	52.9	56.7	59.6	63.3	66.7	69.9
Bakery, grain mill products											
Total expenditures	13.6	24.1	31.8	35.2	37.9	39.6	40.8	43.3	45.5	46.3	50.9
Farm value	2.0	4.1	4.8	5.1	4.9	4.8	4.9	5.1	4.7	4.0	3.7
Percent of total	14.7	17.0	15.2	14.5	12.9	12.1	12.1	11.8	10.3	8.3	7.3
Marketing bill ¹	11.6	20.0	26.8	30.1	33.0	34.8	35.7	38.2	40.8	44.3	47.2

¹ The difference between civilian expenditures for domestic farm-originated food products and the farm value or payment farmers received for the equivalent farm products. ² Food primarily purchased from retail food stores for use at home. ³ Covers employee wages and salaries, and their health and welfare benefits. Also includes imputed earnings of proprietors, partners, and family workers not receiving stated remuneration. ⁴ Excludes local hauling. ⁵ Represents advertising, rents, depreciation, interest on borrowed capital, losses other than income, and other costs.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Food Cost Review*, annual; *Food Consumption, Prices, and Expenditures*, annual; *Agricultural Outlook*, periodic; and *Agricultural Statistics*, annual.

NO. 1106. FARMER MARKETING AND FARM SUPPLY COOPERATIVES—SUMMARY: 1970 TO 1986

[1970 and 1975, for fiscal years of cooperatives ending between July 1 of preceding year and June 30 of year shown. Beginning 1978, reports of cooperatives are for the calendar year. Comprises independent local associations, federations, large-scale centralized associations, and sales agencies. Memberships and businesses are estimated. See also *Historical Statistics, Colonial Times to 1970*, series K 195-203]

ITEM	1970	1975	1976	1979	1980	1981	1982	1983	1984	1985	1986, prel.
Cooperatives listed.....	7,708	7,646	8,880	6,446	6,389	6,211	6,125	6,825	6,782	6,625	6,389
Marketing ¹	5,015	4,919	4,050	3,996	3,824	3,865	3,836	3,781	3,846	3,589	3,366
Farm supply.....	2,775	2,729	2,850	2,507	2,569	2,356	2,299	2,209	2,136	2,036	1,971
Memberships ² (1,000).....	6,389	6,123	5,835	5,827	5,379	5,235	5,139	4,965	4,842	4,791	4,482
Marketing ¹ (1,000).....	3,133	3,151	2,832	2,867	2,574	2,479	2,486	2,402	2,445	2,383	2,178
Farm supply (1,000).....	3,222	2,972	3,063	3,080	2,804	2,356	2,036	2,553	2,397	2,369	2,228
Business ² (mil. dol.).....	16,800	41,342	47,388	66,366	66,354	71,884	66,139	66,756	73,047	66,691	66,366
Marketing ¹ (mil. dol.).....	16,207	32,682	39,269	42,747	50,120	54,478	52,789	50,812	56,078	48,981	43,300
Farm supply (mil. dol.).....	3,573	8,660	11,052	13,521	16,134	17,050	15,362	15,943	19,969	16,641	15,686

¹ Includes cooperatives whose major activity is providing services related to marketing and farm-supply activities. ² Excludes nonvoting patrons. ³ Value of commodities sold or purchased for patrons. Business dollar volume for marketing includes service receipts for charges related to marketing and purchasing. Represents net volume after eliminating intercooperative business.

Source: U.S. Dept. of Agriculture, Agricultural Cooperative Service, *Farmer Cooperative Statistics*, annual.

NO. 1106. SELECTED INDEXES OF FARM INPUTS: 1980 TO 1986

[1977-1986. Inputs based on physical quantities of resources used in production. See *Historical Statistics, Colonial Times to 1970*, series K 489-495 for data before revisions]

INPUT	1980	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Total.....	98	94	97	106	103	102	101	97	96	92	97
Farm labor.....	177	112	106	89	96	98	99	97	92	85	80
Farm real estate ¹	109	106	97	100	109	104	102	101	97	96	93
Mechanical power and machinery.....	83	85	98	104	101	98	92	89	85	81	78
Agricultural chemicals ²	32	75	83	123	123	129	118	105	121	121	109
Feed, seed, and livestock purchases ³	77	96	90	115	114	108	107	109	105	105	102
Taxes and interest.....	95	102	100	100	100	98	92	97	89	91	91
Miscellaneous.....	77	89	82	113	96	106	115	100	110	117	110

¹ Includes service buildings, improvements. ² Includes fertilizer, lime, and pesticides. ³ Includes northern portion.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Production and Efficiency Statistics*, annual. Also in U.S. Council of Economic Advisors, *Economic Report of the President*, annual.

NO. 1107. FARM MACHINERY AND EQUIPMENT: 1970 TO 1987

[See also *Historical Statistics, Colonial Times to 1970*, series K 184-191]

ITEM	Unit	1970	1975	1976	1978	1980	1981	1982	1983	1984	1985	1986	1987
Value of farm implements and machinery ¹	Bil. dol.	34.4	68.1	63.9	68.2	69.3	107.8	167.9	106.2	102.7	92.4	84.4	78.8
Farmers' expenditures:													
Motor vehicles ²	Mil. dol.	2,030	3,833	5,580	4,264	5,813	5,852	4,436	4,724	4,583	3,809	3,227	3,704
Tractors.....	Mil. dol.	1,123	2,480	3,285	3,746	3,683	3,740	2,697	2,608	2,539	1,937	1,513	1,847
Machinery, equipment.....	Mil. dol.	2,888	4,820	7,156	6,002	6,956	6,481	5,008	4,735	4,682	3,654	3,084	3,818
Repair and maintenance.....	Mil. dol.	1,910	2,417	4,533	5,165	5,205	5,278	4,635	4,793	4,906	4,634	4,825	5,040
Tractors, machinery and equipment.....	Mil. dol.	1,126	2,380	3,519	3,743	3,746	3,771	3,565	3,707	3,766	3,739	3,782	3,888
Autos and trucks ³	Mil. dol.	784	1,057	1,014	1,422	1,469	1,507	1,050	1,089	1,112	1,065	1,083	1,142
Retail sales: ⁴													
Tractors, total ⁵	1,000	135.5	161.1	139.8	139.0	119.3	109.6	77.2	71.3	68.7	58.5	47.1	48.4
2-wheel drive.....	1,000	135.5	150.5	130.9	127.5	108.4	94.1	70.4	68.2	62.7	55.5	45.1	46.7
4-wheel drive.....	1,000	NA	10.6	8.7	11.5	10.9	9.7	6.8	5.1	4.0	3.0	2.0	1.7
Combines.....	1,000	26.7	33.1	31.5	32.3	28.7	26.8	16.2	12.9	11.4	8.4	7.7	7.2
Corn heads.....	1,000	18.5	25.4	21.2	22.4	17.2	15.7	9.3	8.8	6.4	5.0	4.7	3.9
Field forage harvesters.....	1,000	15.0	13.1	11.5	12.5	9.5	7.6	5.1	4.1	3.5	2.6	2.2	2.4

NA. Not available. ¹ Farm inventory valuations as of December 31. Includes family automobiles. ² For farm business use. ³ Includes insurance, registration fees, and licensing fees through 1975. ⁴ Source: Farm and Industrial Equipment Institute, Chicago, IL, unpublished data. ⁵ Beginning 1978, covers tractors over 40 hp. only.

Source: Except as noted, U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: National Financial Summary*, annual. Also in *Agricultural Statistics*, annual.

NO. 1111. FARM PRODUCTIVITY—LABOR-HOURS AND INDEXES OF FARM OUTPUT PER HOUR: 1960 TO 1966

[See also *Historical Statistics, Colonial Times to 1970*, series K 407-413, K 430-444, and W 87-91]

ITEM	1960	1970	1975	1976	1979	1980	1981	1982	1983	1984	1985	1986
Hours of labor required on farms ¹ (bil.)	9.8	5.8	5.0	4.4	4.3	4.3	4.2	4.0	3.7	3.6	3.7	3.6
All productive livestock (bil.)	3.6	2.3	1.7	1.4	1.3	1.3	1.2	1.1	1.1	1.0	1.0	.9
All crops (bil.)	4.6	2.8	2.6	2.4	2.4	2.4	2.4	2.4	2.1	2.3	2.2	2.1
Farm maintenance (bil.)	1.4	.8	.7	.6	.6	.6	.6	.5	.5	.5	.5	.5
INDEX (1977 = 100)												
Farm output per hour	37	86	89	100	119	113	131	139	122	136	151	160
All livestock and products	32	84	85	100	117	129	136	143	122	152	176	183
Meat animals	40	87	87	100	117	127	136	138	149	153	166	169
Milk cows	27	57	61	100	122	135	150	164	187	212	244	266
Poultry	25	55	61	100	119	125	135	142	152	162	173	182
All crops	41	70	89	100	118	106	121	124	105	123	134	131
Feed grains	33	62	90	111	125	107	132	138	96	133	149	141
Hay and forage	43	74	94	109	118	109	122	128	122	132	134	139
Food grains	73	83	101	104	115	116	129	129	131	140	142	135
Vegetables	60	91	93	104	109	113	119	120	119	117	123	123
Fruits and nuts	61	84	97	109	104	112	108	115	115	116	118	120
Sugar crops	52	79	97	103	103	104	111	106	106	108	109	113
Cotton	13	31	57	100	132	103	145	149	141	172	182	160
Tobacco	48	79	97	100	99	104	117	122	108	129	137	126
Oil crops	52	72	88	99	110	90	110	113	95	109	123	131

¹ Represents labor used on crops, livestock, and farm maintenance. ² Includes work on farm gardens. ³ Includes work on horses and mules.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Production and Efficiency Statistics*, annual. Also in *Agricultural Statistics*, annual.

NO. 1112. CROPLAND USED FOR CROPS AND ACREAGES OF CROPS HARVESTED: 1960 TO 1987

[See also *Historical Statistics, Colonial Times to 1970*, series K 406-501]

YEAR	CROPLAND USED FOR CROPS					Index of crop production per acre (1977 = 100)	ACREAGES OF CROPS HARVESTED ²				
	Number (mil. acres)				Index (1977 = 100)		Total (mil. acres)	Used to produce goods for—			
	Total	Crop-land harvested ¹	Crop failure	Cultivated summer fallow				Domestic use		Exports	
								Amount (mil. acres)	Per capita (acres) ³	Amount (mil. acres)	Per cent of total
1960	355	317	6	32	94	77	324	⁴ 200	1.41	84	19.8
1970	332	289	6	36	89	88	293	221	1.05	72	24.6
1975	367	330	6	31	97	89	336	239	1.09	100	29.5
1976	369	330	7	32	97	106	336	224	1.00	114	33.7
1978	378	340	8	30	100	113	348	229	.99	125	35.9
1980	382	342	10	30	101	100	352	215	.94	137	38.9
1981	367	351	6	30	102	115	366	237	1.03	129	35.2
1982	363	347	6	31	101	116	362	249	1.07	113	31.2
1983	333	294	5	34	89	100	306	182	.77	124	40.5
1984	373	337	6	30	89	112	348	252	1.06	96	27.6
1985	372	334	7	31	88	120	342	269	1.10	79	23.1
1986	357	316	8	32	94	116	325	254	.95	88	28.5
1987	330	293	8	32	87	122	301	194	.80	107	35.5

¹ Land supporting one or more harvested crops. ² Area in principal crops harvested as reported by Crop Reporting Board plus acreages in fruits, tree nuts, and farm gardens. ³ Based on Bureau of the Census estimated total population, including Armed Forces overseas, as of July 1. ⁴ Includes feed for workstock, not shown separately.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Production and Efficiency Statistics*, annual. Also in *Agricultural Statistics*, annual.

No. 1113. FARM OUTPUT INDEXES: 1960 TO 1987

[1977 = 100. See also *Historical Statistics, Colonial Times to 1870*, series K 414-429]

ITEM	1960	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987, prel.
Farm output ¹	78	84	96	111	104	118	116	96	112	118	111	109
Per unit of total input	78	87	96	105	101	118	116	96	118	128	127	(NA)
Gross production												
Livestock and products ²	82	86	95	104	106	109	107	108	107	110	110	111
Meat animals	80	102	97	103	107	106	101	104	101	102	100	98
Dairy products	95	95	94	101	105	108	110	114	110	117	117	116
Poultry and eggs	88	93	92	114	115	119	119	120	123	126	133	143
Crops ²	72	77	93	113	101	117	117	88	111	118	108	106
Feed grains	69	71	91	116	87	121	122	67	116	134	123	105
Hay and forage	83	82	100	108	98	106	109	100	107	108	108	102
Food grains	66	69	108	106	121	144	136	117	126	121	107	106
Vegetables	58	56	97	107	104	111	116	107	117	122	117	(NA)
Fruits and nuts	66	81	98	105	119	111	113	110	114	119	112	(NA)
Sugar crops	80	95	114	94	87	107	96	83	95	87	108	112
Cotton	102	72	56	102	79	109	65	55	91	94	69	102
Tobacco	102	100	114	80	83	106	104	75	80	81	83	84
Oil crops	36	66	66	128	99	114	121	81	108	117	110	106

NA Not available. ¹ Annual production available for eventual human use. ² Includes livestock products not shown separately and excludes horses and mules. ³ Includes crops not shown separately.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Production and Efficiency Statistics, 1987*. Also in *Agricultural Statistics*, annual.

No. 1114. SELECTED FARM PRODUCTS—PRODUCTION AND EXPORTS: 1970 TO 1987

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Corn for grain: Production	Mil. bu.	4,152	5,841	6,839	6,119	6,235	4,175	7,674	8,677	8,250	7,064
Exports ¹	Mil. bu.	517	1,711	2,355	2,010	1,834	1,802	1,865	1,241	1,504	1,700
Percent of production	Percent	12.5	29.3	35.5	24.8	22.3	45.5	24.3	14.0	18.2	24.1
Soybeans, for beans: Production	Mil. bu.	1,127	1,548	1,989	1,989	2,190	1,836	1,861	2,099	1,940	1,905
Exports ¹	Mil. bu.	434	555	724	929	905	743	598	740	757	800
Percent of production	Percent	38.5	35.9	40.3	46.7	41.3	45.4	32.1	35.7	39.0	42.0
Wheat: Production	Mil. bu.	1,352	2,127	2,281	2,785	2,786	2,420	2,586	2,425	2,062	2,105
Exports ¹	Mil. bu.	741	1,173	1,514	1,771	1,509	1,429	1,424	915	1,004	1,600
Percent of production	Percent	54.8	55.2	63.6	63.6	54.6	59.0	54.9	37.7	48.0	76.0
Cotton: Production	Mil. bales ²	10.2	8.3	11.1	15.6	12.0	7.8	13.0	13.4	9.7	14.8
Exports ¹	Mil. bales ²	3.9	3.3	5.9	6.6	5.2	6.8	6.2	2.0	6.7	6.6
Percent of production	Percent	38.2	39.8	53.2	42.3	43.3	87.2	47.7	14.9	69.1	44.6
Tobacco: Production	Mil. lb.	1,806	2,182	1,786	2,064	1,994	1,429	1,728	1,511	1,184	1,186
Exports ¹	Mil. lb.	839	855	849	697	628	596	666	620	598	598
Percent of production	Percent	33.5	30.0	36.3	33.8	31.5	41.7	38.5	41.0	51.2	47.5

¹ Represents marketing year for each product. ² 480 lb. net weight bales. ³ Farm sales weight.

Source: U.S. Dept. of Agriculture, Economic Research Service. In *Agricultural Statistics*, annual.

No. 1115. SELECTED FARM PRODUCTS—U.S. AND WORLD PRODUCTION AND EXPORTS: 1984 TO 1986

[In metric tons, except as indicated. Metric ton = 1 102 short tons or 984 long tons]

ITEM	Unit	AMOUNT						U.S. AS PERCENT OF WORLD		
		U.S.			World			1984	1985	1986
		1984	1985	1986	1984	1985	1986			
PRODUCTION ¹										
Wheat	Million	71	68	57	512	500	530	13.9	13.2	10.6
Corn for grain	Million	195	225	210	459	480	477	42.5	45.9	44.0
Soybeans	Million	50.6	57.1	52.8	93.1	97.0	97.9	54.4	58.9	53.9
Rice, rough	Million	8.3	6.5	7.4	489	470	468	1.3	1.4	1.4
Tobacco, unmanufactured ²	1,000	784	686	571	6,460	6,883	6,005	12.0	10.0	8.8
Vegetable oils	Million	6.3	6.4	6.7	44.8	47.9	49.1	14.0	13.3	13.6
Cotton	Million bales ³	13.0	13.4	9.7	68.2	79.6	70.4	14.7	16.9	13.8
EXPORTS ⁴										
Wheat ⁵	Million	36.1	25.0	28.4	107.0	85.0	90.7	35.6	29.4	31.3
Corn	Million	46.7	31.5	39.4	66.6	54.5	58.2	70.1	57.6	70.1
Soybeans	Million	18.3	20.2	20.6	25.3	26.1	28.5	64.4	77.4	72.3
Rice, milled basis	Million	2.1	1.9	2.4	12.6	11.5	12.8	16.7	16.5	18.6
Tobacco, unmanufactured ⁶	1,000	246	249	217	406	1,414	1,380	17.5	17.6	16.1
Vegetable oils	Million	1.2	1.1	1.0	14.5	15.5	16.2	8.3	7.1	6.2
Cotton	Million bales ³	6.2	2.0	5.7	20.2	20.2	25.9	30.8	9.7	25.8

¹ Production years vary by commodity. In most cases, includes harvests from July 1 of the year shown through June 30 of the following year. ² Farm sales weight basis. ³ Bales of 480 lb. net weight. ⁴ Trade years may vary by commodity.

⁵ Includes wheat flour on a grain equivalent. ⁶ Dried weight basis.

Source: U.S. Department of Agriculture, Foreign Agricultural Service, *Foreign Agricultural Commodity Circular Series*, periodic.

NO. 1116. AGRICULTURAL EXPORTS AND IMPORTS—VALUE: 1970 TO 1987

[In billions of dollars, except percent. Includes Puerto Rico. Excludes forest products and distilled liquors; includes crude rubber and similar gums (now mainly plantation products). Includes shipments under foreign aid programs. See also *Historical Statistics, Colonial Times to 1970*, series K 251-255]

	Trade balance	Exports, domestic products	Percent of all exports	Imports for consumption	Percent of all imports	YEAR	Trade balance	Exports, domestic products	Percent of all exports	Imports for consumption	Percent of all imports
1970-1974, avg	5.5	12.8	21	7.3	12	1975	14.6	29.4	21	14.8	9
1975-1979, avg	13.5	26.5	20	13.0	11	1976	18.0	34.7	19	16.7	8
1980-1984, avg	21.9	39.0	18	17.1	6	1980	23.9	41.2	18	17.4	7
1970	1.5	7.3	17	5.8	15	1981	28.6	43.3	18	18.8	8
1971	1.9	7.7	18	5.8	13	1982	21.2	38.6	17	15.4	6
1972	2.9	8.4	19	6.5	12	1983	19.5	38.1	18	18.5	7
1973	9.3	17.7	25	8.4	12	1984	18.5	37.8	17	19.3	8
1974	11.7	21.9	23	10.2	10	1985	8.1	29.0	11	20.0	8
1975	12.6	21.9	21	9.3	10	1986	4.8	26.2	12	21.4	6
1976	12.0	23.0	20	11.0	9	1987	8.2	26.6	11	20.4	6
1977	10.2	23.6	20	13.4	9						

Source: U.S. Dept. of Agriculture, Economic Research Service, *U.S. Foreign Agricultural Trade Statistical Report*, annual, and *Foreign Agricultural Trade of the United States*, Jan.-Feb. issues. Also in *Agricultural Statistics*, annual.

NO. 1117. AGRICULTURAL EXPORTS—VALUE, BY PRINCIPAL COMMODITIES AND SELECTED COUNTRIES OF DESTINATION: 1970 TO 1987

[See headnote, table 1116. Data by country of destination not adjusted for transshipments prior to 1983]

COMMODITY AND COUNTRY	VALUE (mil. dol.)								PERCENT		
	1970	1975	1980	1983	1984	1986	1987	1970	1980	1987	
Total agricultural exports ¹	7,295	21,686	41,233	36,888	37,804	29,641	26,222	28,837	100.0	100.0	100.0
Grains and feeds ²	2,720	11,932	19,117	16,250	17,163	11,882	8,656	9,423	37.5	46.4	32.9
Feed grains and products	1,093	5,283	9,831	7,951	8,204	6,112	3,176	3,917	16.1	23.8	13.7
Corn	818	4,422	8,482	6,387	6,999	5,208	2,805	3,209	11.3	20.6	11.2
Wheat and products	1,136	5,353	6,880	6,560	6,740	3,880	3,290	3,279	15.7	16.2	11.5
Rice	313	858	1,289	926	845	665	625	576	4.3	3.1	2.0
Oilseeds and products ³	1,591	4,452	9,393	8,716	8,386	5,794	4,487	4,378	26.8	22.8	22.3
Soybeans	1,228	2,885	5,880	5,913	5,418	3,732	4,326	4,307	16.9	14.3	16.0
Soybean oil cake and meal	344	839	1,865	1,527	997	870	1,229	1,213	4.7	4.0	4.2
Vegetable oils and wastes	296	636	1,216	888	1,270	870	872	626	4.1	2.9	2.2
Soybean oil	194	289	689	424	757	432	253	283	2.7	1.7	.9
Animals and animal products ⁴	885	1,888	3,788	3,787	4,228	4,150	4,547	5,154	11.9	9.1	18.0
Hides and skins, incl. furskins	167	407	1,046	1,010	1,383	1,295	1,522	1,731	2.8	2.5	8.0
Cattle hides	130	280	623	742	1,066	1,007	1,219	1,326	1.8	1.5	4.6
Meats and meat products	132	432	890	916	926	905	1,130	1,386	1.8	2.2	4.8
Fats, oils, and greases	246	380	789	800	698	619	413	431	3.4	1.9	1.5
Poultry and poultry products	82	157	603	426	415	384	504	602	1.1	1.5	2.1
Cotton, excluding lint	372	991	2,864	1,817	2,441	1,633	812	1,631	5.1	6.9	5.7
Tobacco, unmanufactured	517	852	1,334	1,482	1,511	1,521	1,223	1,090	7.1	3.2	3.8
Fruits and preparations	334	899	1,335	1,349	1,243	1,186	1,308	1,483	4.6	3.2	5.2
Fresh fruits	164	404	739	829	758	743	851	939	2.3	1.8	3.3
Vegetables and preparations	219	505	1,186	880	1,002	830	1,086	1,158	3.0	2.9	4.0
Nuts and preparations	88	189	757	496	604	683	753	804	1.0	1.8	2.8
Other	232	573	1,477	1,242	1,243	1,262	1,373	1,516	3.2	3.6	5.3
Asia ¹	2,717	7,820	14,888	14,068	14,907	11,181	10,617	12,513	37.5	36.1	43.7
Japan	1,214	3,082	6,111	6,251	6,782	5,408	5,141	5,700	16.7	14.8	19.9
South Korea	224	830	1,797	1,840	1,660	1,413	1,306	1,833	3.1	4.4	6.4
China, Taiwan	134	585	1,095	1,308	1,458	1,231	1,171	1,171	1.9	2.7	4.5
Iraq	2	88	255	342	536	326	380	532	-	.6	1.9
Saudi Arabia	28	117	375	445	482	351	397	483	.4	.9	1.7
Western Europe ^{1, 2}	2,534	7,177	11,744	9,996	8,837	6,937	7,066	7,264	34.9	28.5	25.4
European Economic Community ⁴	2,316	6,789	11,033	9,299	8,257	6,477	6,827	6,835	29.4	22.4	23.9
Netherlands	526	1,722	3,412	2,578	2,323	1,869	2,073	1,915	7.3	8.3	6.9
West Germany	528	1,584	1,831	1,529	1,065	944	1,048	1,284	7.3	4.4	4.5
United Kingdom	411	568	928	823	754	604	661	664	5.7	2.3	2.3
Italy	210	799	1,094	731	608	689	727	897	2.9	2.7	2.4
France	164	406	748	485	507	403	439	523	2.3	1.8	1.8
Spain ⁵	143	776	1,129	1,264	1,029	837	703	647	2.0	2.7	2.3
Latin America ¹	688	2,274	6,150	5,213	5,263	4,224	3,861	3,671	9.5	14.9	12.8
Mexico	155	586	2,486	1,842	1,993	1,439	1,080	1,201	2.1	6.0	4.2
Venezuela	98	277	701	686	783	638	456	494	1.4	1.7	1.7
Canada	526	1,304	1,852	1,844	1,963	1,622	1,542	1,809	11.4	4.5	6.3
Soviet Union	16	1,133	1,047	1,473	2,678	1,923	858	938	.2	2.5	3.3
Eastern Europe	189	616	2,071	836	758	479	434	436	2.3	5.0	1.5
Africa ¹	254	1,134	2,179	2,456	2,972	2,488	2,008	1,768	3.5	6.3	6.2
Egypt	26	425	770	970	909	891	811	879	.4	1.9	2.4

- Represents or rounds to zero. ¹ Includes areas not shown separately. ² Includes commodities not shown separately. ³ Includes Canary Islands and Madeira Islands for all years. ⁴ Includes Belgium, Luxembourg, Denmark, Greece, Ireland, and Portugal, not shown separately. As of Jan. 1, 1973, United Kingdom, Denmark, and Ireland became members of EEC. As of Jan. 1, 1981, Greece became a member of EEC. As of Jan. 1, 1986, Spain and Portugal became members of EEC. For consistency, data for all years are shown on same basis. ⁵ As of Jan. 1, 1984, includes Canary Islands and Spanish Africa, not elsewhere classified.

Source: U.S. Dept. of Agriculture, Economic Research Service, *U.S. Foreign Agricultural Trade Statistical Report*, annual. Also in *Agricultural Statistics*, annual.

**NO. 1118. U.S. SALES AND DONATIONS UNDER FOOD FOR PEACE (PUBLIC LAW 480) PROGRAMS—
TOTAL, 1954 TO 1987, AND BY SELECTED COUNTRY, 1987**

[In millions of dollars. For fiscal years ending in year shown; see text, section 9]

YEAR	Total	Title I sales (loans) ¹	TITLE II DONATIONS			COUNTRY	1987	
			Total	Voluntary relief agencies	Emergency relief and other ²		Sales	Donations
1954-1987, total	41,825	25,267	16,488	10,373	6,095	Total ³	889.8	863.0
1970	1,142	711	432	181	250	Bangladesh	86.1	20.6
1975	1,325	888	481	286	195	India	-	92.4
1980	1,436	843	593	340	253	Sudan	74.6	6
1981	1,542	774	768	471	297	Pakistan	51.6	17.5
1982	1,314	690	624	456	168	Morocco	56.0	12.5
1983	1,373	773	800	422	178	El Salvador	42.0	6.4
1984	1,524	784	740	523	217	Jamaica	39.2	7
1985	2,052	984	1,068	749	319	Philippines	-	39.0
1986	1,763	1,094	759	587	172	Bolivia	23.9	12.6
1987	1,442	888	553	343	210	Indonesia	32.0	4.6
						Peru	24.1	9.6
						Sri Lanka	29.8	3.2

¹ Represents zero. ² Includes Title III, Food for Development program. ³ Includes economic development and world food programs. ⁴ Includes other countries not shown separately.

Source: U.S. Agency for International Development, *U.S. Overseas Loans and Grants and Assistance From International Organizations*, annual.

NO. 1119. AGRICULTURAL EXPORTS—ESTIMATED VALUE, BY LEADING STATES: 1987

[In millions of dollars. For year ending September 30]

COMMODITY	Total value	FIVE LEADING STATES									
		1		2		3		4		5	
		State	Value	State	Value	State	Value	State	Value	State	Value
All commodities ¹	27,959.2	CA	2,837.1	IA	2,263.8	IL	2,116.3	NE	1,578.3	TX	1,521.3
Soybeans and products	5,738.5	IL	1,048.0	IA	1,039.8	MO	508.4	MN	467.9	IN	462.4
Feed grains and products	4,861.7	IA	846.5	IL	738.4	NE	535.4	MN	395.0	IN	361.2
Wheat and products	3,115.8	ND	541.0	KS	436.1	WA	281.8	OK	196.3	MT	190.6
Hides and skins	1,865.8	KS	287.3	TX	239.0	NE	234.1	IA	81.5	CO	78.5
Live animals and meat products	1,830.2	KS	221.4	TX	208.4	NE	202.2	KY	181.9	IA	103.7
Fruits and preparations	1,488.0	CA	633.1	FL	263.9	WA	123.4	OR	46.8	AZ	39.3
Cotton	1,429.4	TX	371.6	CA	328.8	MS	175.4	AZ	120.6	LA	99.4
Tobacco	1,203.9	NC	547.1	KY	231.2	VA	99.3	SC	94.4	GA	84.8
Vegetables and prepara- tions	1,177.7	CA	506.8	WA	107.9	ID	64.5	WY	58.9	MN	56.1
Rice	550.7	AR	256.0	TX	87.1	LA	79.8	CA	59.0	MS	52.1

¹ Includes other commodities not shown separately.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Foreign Agricultural Trade of the United States*, Mar./Apr. 1988.

**NO. 1120. AGRICULTURAL IMPORTS—VALUE BY SELECTED COMMODITY, 1970 TO 1987, AND BY
LEADING COUNTRIES OF ORIGIN, 1987**

[In millions of dollars]

COMMODITY	1970	1975	1980	1983	1984	1985	1986	1987	Leading countries of origin, 1987
Total	6,770	9,293	17,368	16,530	16,334	16,966	21,440	20,386	Canada, Mexico, Brazil.
Competitive products	3,609	6,196	10,374	11,002	12,619	13,067	13,432	13,781	Canada, Mexico, Australia
Beef and veal	680	861	1,780	1,383	1,228	1,276	1,286	1,562	Australia, New Zealand, Argentina
Pork	272	430	486	611	755	861	1,001	1,096	Canada, Denmark, Poland.
Dairy products	126	215	486	701	773	755	827	831	New Zealand, Ireland, Italy
Fruits and preparations	146	247	584	1,013	1,475	1,736	1,599	1,718	Brazil, Chile, Mexico
Vegetables and prepara- tions	296	376	664	1,074	1,331	1,385	1,802	1,535	Mexico, Spain, China, Taiwan.
Wine	145	259	602	644	845	996	1,017	966	France, Italy, Spain
Milk beverages	32	94	367	515	577	633	791	862	Netherlands, Mexico, Canada.
Grains and feeds	99	222	371	457	566	623	691	748	Canada, Italy, Denmark
Sugar and related prod- ucts	798	2,047	2,205	1,304	1,442	1,190	991	630	Canada, Dominican Rep, Brazil
Noncompetitive products	2,161	3,095	6,992	5,528	6,716	6,902	8,008	6,616	Brazil, Indonesia, Colombia.
Coffee and products	1,213	1,673	4,186	2,771	3,271	3,322	4,818	2,908	Brazil, Colombia, Mexico
Cocoa and products	279	466	920	837	1,132	1,350	1,127	1,194	Brazil, Ivory Coast, Ecuador
Bananas and plantains	194	230	430	600	665	783	759	819	Honduras, Ecuador, Colombia.
Rubber crude natural	236	385	617	655	624	654	622	780	Indonesia, Malaysia, Thailand.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Foreign Agricultural Trade of the United States*, annual.

No. 1121. PRINCIPAL CROPS—PRODUCTION, SUPPLY AND DISAPPEARANCE: 1983 TO 1987

[Marketing year beginning May 1 for hay, June 1 for wheat and barley, August 1 for cotton and rice, September 1 for soybeans, corn, and sorghum. Acreage, production, and yield of all crops periodically revised on basis of census data. See also *Historical Statistics, Colonial Times to 1970*, series K 506-563]

CROP AND YEAR	ACREAGE (mil.)—			Yield per acre	Pro-duction	Farm price ²	Farm value (mil. dol.)	Total sup-ply ³	DISAPPEARANCE		Ending stocks
	Set aside ¹	Plant-ed	Har-vested						Total ⁴	Ex-ports	
Corn for grain:											
1983	32.2	60.2	51.5	Bu. 81.1	Mil. bu. 4,175	\$/bu. 3.21	13,535	7,701	Mil. bu. 6,694	1,902	1,006
1984	3.9	60.5	71.9	106.7	7,674	2.63	20,085	8,864	7,036	1,865	1,648
1985	5.4	63.4	75.2	118.0	8,877	2.23	19,522	10,536	6,496	1,241	4,040
1986	13.6	76.7	89.2	119.3	8,250	1.50	12,541	12,292	7,410	1,504	4,882
1987	21.1	65.7	59.2	119.4	7,064	1.89	12,130	11,949	7,586	1,700	4,365
Soybeans for beans:											
1983	-	63.8	62.5	Bu. 26.2	Mil. bu. 1,636	\$/bu. 7.81	12,775	1,981	Mil. bu. 1,805	743	176
1984	-	67.8	82.1	26.1	1,861	5.78	10,746	2,037	1,721	599	316
1985	-	63.1	61.6	34.1	2,099	5.05	10,581	2,415	1,879	740	586
1986	-	60.4	58.3	33.3	1,940	4.78	9,263	2,478	2,040	757	436
1987	-	57.4	58.4	33.7	1,906	5.43	10,365	2,341	2,066	800	275
Hay:											
1983	-	(NA)	59.7	Sh. 2.36	Mil. sh. 141	\$/ton 75.60	9,987	188.9	Mil. sh. 148.8	(NA)	20.1
1984	-	(NA)	61.4	2.45	151	72.70	10,204	170.7	143.8	(NA)	26.9
1985	-	(NA)	60.4	2.46	149	67.60	9,437	175.5	148.8	(NA)	26.7
1986	-	(NA)	62.4	2.49	156	59.70	8,611	162.2	149.8	(NA)	32.3
1987	-	(NA)	60.6	2.48	149	66.40	9,103	181.5	154.2	(NA)	27.3
Wheat:											
1983	29.8	76.4	61.4	Bu. 39.4	Mil. bu. 2,420	\$/bu. 3.51	8,494	3,936	Mil. bu. 2,540	1,429	1,399
1984	18.5	79.2	66.9	38.8	2,595	3.39	8,797	4,003	2,578	1,424	1,425
1985	18.8	75.6	64.7	37.5	2,425	3.06	7,374	3,866	1,981	915	1,905
1986	20.4	72.1	60.7	34.4	2,092	2.42	5,044	4,018	2,197	1,004	1,821
1987	20.1	65.8	55.9	37.6	2,105	2.55	5,371	3,941	2,710	1,800	1,231
Cotton:											
1983	6.8	7.9	7.3	Lb. 505	Mil. bales ⁷ 7.8	¢/lb. 66.4	2,478	15,721	1,000 bales ⁷ 12,714	6,786	2,775
1984	2.5	11.1	10.4	600	13.0	57.8	3,603	15,781	11,755	6,215	4,102
1985	3.6	10.7	10.2	630	13.4	56.3	3,559	17,867	8,359	1,980	9,348
1986	3.4	10.0	8.5	552	9.7	52.4	2,449	19,082	14,138	6,694	5,026
1987	3.2	10.4	10.0	706	14.8	64.2	4,547	19,600	14,300	6,600	5,600
Tobacco: ¹⁰											
1983	(NA)	(NA)	.8	Lb. 1,611	Mil. lb. 1,429	\$/lb. 1.75	2,496	5,349	Mil. lb. 1,532	596	3,817
1984	(NA)	(NA)	.8	2,183	1,728	1.81	3,121	5,545	1,621	660	3,924
1985	(NA)	(NA)	.7	2,197	1,511	1.65	2,486	5,435	1,620	620	3,815
1986	(NA)	(NA)	.6	2,001	1,184	1.62	1,771	4,978	1,572	595	3,406
1987	(NA)	(NA)	.6	2,026	1,195	1.57	1,677	4,636	(NA)	568	(NA)
Sorghum for grain:											
1983	5.7	11.9	10.0	Bu. 48.7	Mil. bu. 486	\$/bu. 2.84	1,337	927	Mil. bu. 839	245	287
1984 .....	.6	17.3	15.4	56.4	866	2.39	2,139	1,154	654	297	300
1985 .....	.9	18.3	16.8	66.8	1,120	1.93	2,243	1,421	870	178	551
1986	2.3	15.3	13.9	67.7	936	1.37	1,322	1,493	756	196	732
1987	3.9	11.8	10.6	69.9	741	1.56	1,156	1,472	790	225	682
Barley:											
1983	1.1	10.4	9.7	Bu. 52.3	Mil. bu. 509	\$/bu. 2.47	1,257	733	Mil. bu. 543	92	169
1984 .....	.5	12.0	11.2	53.4	509	2.29	1,372	799	551	77	247
1985 .....	.7	13.2	11.6	51.0	591	1.98	1,133	648	523	22	325
1986	1.8	13.1	12.0	50.8	611	1.61	994	942	607	137	336
1987	2.9	11.0	10.0	52.6	527	1.66	980	876	580	130	296
Rice, rough:											
1983	1.7	2.2	2.2	Lb. 4,596	Mil. cwt. 100	\$/cwt. 8.57	657	172	Mil. cwt. 125	70	47
1984 .....	.8	2.8	2.8	4,954	139	8.04	1,116	187	123	62	65
1985	1.3	2.5	2.5	5,414	134	6.53	893	202	125	59	77
1986	1.3	2.4	2.4	5,651	133	3.75	498	213	162	85	52
1987	1.2	2.4	2.3	5,462	128	7.20	920	182	151	70	32

- Represents zero. NA Not available. ¹ Acreage set aside under diversion, PIK (payment-in-kind) and acreage reduction programs. ² Except as noted, marketing year average price. U.S. prices are computed by weighting U.S. monthly prices by estimated monthly marketings and do not include an allowance for outstanding loans and government purchases and payments. ³ Comprises production, imports, and beginning stocks. ⁴ Includes feed, residual, and other domestic uses not shown separately. ⁵ Prices are for hay sold baled. ⁶ Season average prices received by farmers. U.S. prices are computed by weighting State prices by estimated sales and include an allowance for outstanding loans and government purchases, if any, for crops under government programs. ⁷ Bales of 490 pounds, net weight. ⁸ State production figures, which conform with U.S. Bureau of the Census annual ginning enumeration with allowance for cross-State ginnings, rounded to thousands and added for U.S. totals. ⁹ Stock estimates based on Census Bureau data which results in an unaccounted difference between supply and use estimates and changes in ending stocks. ¹⁰ Flue-cured and cigar wrapper, crop year July-June; all other types October-September. Farm-sales-weight basis. ¹¹ Includes tobacco carried over on farms.

Source: Production—U.S. Dept. of Agriculture, National Agricultural Statistics Service. In *Crop Production*, annual, *Field Crops* (Statistical Bulletin No. 706); *Crop Values* (Statistical Bulletin No. 729). Supply and disappearance—U.S. Dept. of Agriculture, Economic Research Service, *Feed Situation*, quarterly; *Fats and Oils Situation*, quarterly; *Wheat Situation*, quarterly; *Tobacco Situation*, quarterly; *Cotton and Wool Outlook Statistics*, periodic; and *Agricultural Supply and Demand Estimates*, periodic. All data are also in *Agricultural Statistics*, annual; and *Agricultural Outlook*, monthly.

No. 1222. CROPS—ACREAGE AND VALUE, 1965 TO 1967, AND ORDER OF VALUE, 1967, BY STATE

State	ACREAGE (thousands of acres)			TOTAL VALUE (mil. dol.)				Crops in order of value, 1967
	1965	1966	1967, est.	1965	1966	1967, est.		
						Value	Rank	
U.S. ¹	298,000	311,000	300,000	74,665	68,592	68,880	32	Corn, soybeans, hay, wheat
AL	1,321	2,520	2,287	696	499	524	32	Cotton lint, peanuts, hay, soybeans
AZ	800	803	738	738	888	885	25	Cotton lint, alfalfa, hay, cotton seed
AR	7,778	7,359	7,252	1,384	945	1,335	14	Soybeans, rice, cotton lint, hay
CA	5,899	5,578	4,882	3,386	2,841	2,149	1	Oranges, cotton lint, hay, vegetables
CO	6,846	6,487	5,854	1,388	885	822	24	Hay, wheat, corn, potatoes
CT	151	148	140	7	7	7	47	Hay, mushrooms, apples, sweet corn
DE	554	528	521	134	91	83	45	Soybeans, corn, potatoes, hay
FL	1,244	1,224	1,117	2,388	2,482	2,252	9	Oranges, tomatoes, grapefruit, potatoes
GA	5,571	3,897	3,884	1,388	1,871	1,085	23	Peanuts, tobacco, corn, cotton lint
HI	99	99	97	373	404	1,159	61	Sugarcane ² , pineapples, macadamia nuts, no papaya
ID	4,738	4,730	4,141	1,277	1,329	1,707	39	Potatoes, hay, wheat, corn
IL	23,111	21,800	20,035	5,894	4,337	4,719	2	Corn, soybeans, hay, wheat
IN	12,282	11,880	10,487	2,919	2,880	2,377	7	Corn, soybeans, hay, wheat
IA	25,039	23,798	20,958	5,422	4,332	4,290	3	Corn, soybeans, hay, oats
KS	21,815	20,874	19,874	2,745	2,038	2,263	9	Wheat, sorghum, soybeans, hay
KY	5,484	5,131	4,943	1,614	1,165	1,208	18	Tobacco, hay, corn, soybeans
LA	4,832	4,300	3,856	319	808	820	31	Cotton lint, soybeans, rice, hay
ME	403	385	372	132	183	164	46	Potatoes, hay, apples, oats
MD	1,839	1,580	1,489	380	271	259	36	Corn, hay, soybeans, tobacco
MA	164	168	164	180	174	153	42	Cranberries, hay, apples, sweet corn
MI	7,885	6,880	6,285	1,798	1,385	1,270	16	Corn, hay, soybeans, apples
MIN	20,428	19,896	17,487	3,811	3,089	3,081	5	Soybeans, corn, hay, wheat
MS	5,804	4,878	4,844	1,128	701	1,084	21	Cotton lint, soybeans, rice, hay
MO	14,247	13,232	12,408	2,349	1,775	1,824	11	Soybeans, corn, hay, cotton lint
MT	7,813	9,415	9,242	523	770	836	29	Wheat, hay, barley, oats
NE	16,598	17,533	15,777	3,500	2,533	2,533	6	Corn, soybeans, hay, wheat
NV	585	584	577	125	124	127	43	Hay, potatoes, barley, wheat
NH	113	112	108	30	28	26	48	Hay, apples
NJ	486	437	388	216	180	175	38	Hay, corn, peaches, soybeans
NM	1,381	1,179	973	340	381	307	35	Hay, cotton lint, oranges, wheat
NY	4,048	3,855	3,570	906	884	830	30	Hay, corn, apples, potatoes
NC	5,418	4,581	4,185	1,858	1,402	1,471	14	Tobacco, soybeans, corn, peanuts
ND	20,485	20,571	19,470	2,158	1,832	1,684	12	Wheat, hay, sudangrass, potatoes
OH	10,845	10,207	9,888	2,572	1,988	2,088	10	Soybeans, corn, hay, wheat
OK	6,978	6,568	6,347	975	785	882	26	Wheat, hay, cotton lint, peanuts
OR	2,739	2,711	2,345	808	887	847	28	Hay, wheat, potatoes, corn
PA	4,589	4,411	4,291	1,172	1,085	1,000	22	Hay, corn, mushrooms, apples
RI	17	15	13	6	6	5	49	Hay, potatoes, apples
SC	2,778	2,129	1,916	616	374	480	34	Tobacco, soybeans, corn, peaches
SD	15,246	15,988	14,781	1,539	1,244	1,317	17	Corn, hay, soybeans, wheat
TN	5,136	4,588	4,475	1,032	713	854	27	Cotton lint, soybeans, hay, tobacco
TX	21,084	17,748	16,250	3,753	2,522	3,424	4	Cotton lint, hay, sorghum, corn
UT	1,129	1,132	1,080	233	217	231	37	Hay, corn, wheat, potatoes
VT	540	530	497	86	80	74	46	Hay, apples
VA	3,002	2,790	2,830	684	542	582	32	Hay, tobacco, soybeans, peanuts
WA	5,052	4,713	3,937	1,784	1,813	1,578	13	Wheat, potatoes, hay, barley
WV	732	683	732	120	87	84	44	Hay, apples, corn, tobacco
WI	9,221	9,013	8,218	2,080	1,553	1,480	15	Corn, hay, potatoes, cranberries
WY	1,889	1,863	1,656	236	240	190	38	Hay, barley, wheat, corn

X Not applicable. ¹ Excludes Alaska. ² Incomplete data. ³ For sugar and seed

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, Crop Production, annual, and Crop Values, annual

NO. 1123. PRICE SUPPORT OPERATIONS—SELECTED COMMODITIES: 1963 TO 1967

[For explanation of price support operations, see text, section 23]

CROP AND YEAR	Support or target price ¹ (dol. per bu.)	National average loan rate (dol. per bu.)	QUANTITY UNDER SUPPORT ²		CROP AND YEAR	Support or target price ¹	National average loan rate	QUANTITY UNDER SUPPORT ²	
			Amount (mil. bu.)	Percent of production				Amount	Percent of production
Corn: ³					Cotton: ⁴	Cents per lb.		1,000 bales ⁵	
1963	2.96	2.65	162	4	1963	78.0	55.0	1,744	22
1964	3.03	2.55	1,067	14	1964	81.0	55.0	2,957	23
1965	3.03	2.55	3,168	36	1965	81.0	57.3	7,291	54
1966	3.03	* 1.92	4,689	59	1966	81.0	* 65.0	6,170	63
1967	3.03	1.82	* 4,200	59	1967	79.4	52.3	* 5,350	36
Soybeans: ³					Sorghum: ²	Dol. per cwt.		MB. cwt.	
1963	(X)	5.02	101	6	1963	4.66	4.50	8	3
1964	(X)	5.02	279	15	1964	5.14	4.32	36	7
1965	(X)	5.02	518	25	1965	5.14	4.32	201	32
1966	(X)	* 4.77	327	17	1966	5.14	* 3.25	222	42
1967	(X)	4.77	* 278	14	1967	5.14	3.11	* 210	51
Wheat: ⁶					Rice: ⁷	Dol. per cwt.		ML. cwt.	
1963	4.30	3.65	636	26	1963	11.40	8.14	40	—
1964	4.36	3.30	254	11	1964	11.90	8.00	59	42
1965	4.36	3.30	643	36	1965	11.90	8.00	75	56
1966	4.36	* 2.40	515	25	1966	11.90	* 7.20	132	66
1967	4.36	2.26	* 475	23	1967	11.66	6.64	* 126	69

X Not applicable. ¹ Guaranteed on normal production from participating farms. ² Represents loans made, purchases, and purchase agreements entered into. ³ For years beginning September 1. ⁴ 1966 annual loan rates were reduced 4.3 percent for budget purposes (e.g. corn became \$1.84 per bu.). ⁵ Preliminary. ⁶ For years beginning June 1. ⁷ For years beginning August 1. ⁸ Bales of 480 lb. net weight.

Source: U.S. Dept. of Agriculture, Agricultural Stabilization and Conservation Service. Data published in *Agricultural Statistics*, annual.

NO. 1124. CORN—ACREAGE, PRODUCTION, AND VALUE, BY STATE: 1965 TO 1967

[See *Historical Statistics, Colonial Times to 1970*, series K 502-606]

STATE	ACREAGE HARVESTED (1,000 acres)			YIELD PER ACRE (bu.) ¹			PRODUCTION (mil. bu.) ¹			PRICE ² (dol. per bu.)			FARM VALUE (mil. dol.)		
	1965	1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967
U.S.³	75,224	69,199	66,167	118.5	118.3	119.4	8,877	8,290	7,964	2.23	1.80	1.86	19,522	12,541	12,130
AL	325	270	250	75.0	57.0	72.0	24	15	18	2.30	1.60	1.60	56	29	32
CA	320	250	190	145.0	152.0	150.0	46	36	29	3.00	2.15	2.25	139	82	64
CO	745	710	690	139.0	140.0	155.0	104	99	107	2.37	1.60	1.80	245	159	193
DE	176	169	148	109.0	53.0	73.0	19	14	11	2.45	1.77	1.95	47	25	21
GA	975	730	610	64.0	56.0	64.0	62	42	61	2.39	1.93	2.10	196	82	106
IL	11,370	10,400	9,100	135.0	135.0	132.0	1,535	1,404	1,201	2.27	1.54	1.75	3,464	2,162	2,102
IN	6,150	5,700	4,680	123.0	122.0	135.0	756	695	632	2.20	1.53	1.80	1,664	1,064	1,137
IA	13,550	12,050	10,050	126.0	125.0	130.0	1,707	1,627	1,307	2.02	1.41	1.60	3,449	2,294	2,090
KS	1,170	1,335	1,180	130.0	136.0	120.0	152	182	142	2.37	1.80	1.80	360	290	256
KY	1,560	1,520	1,140	102.0	92.0	104.0	159	140	119	2.37	1.69	1.90	377	236	225
LA	205	385	213	114.0	116.0	105.0	23	45	22	2.60	1.75	1.65	61	78	41
MD	640	580	480	110.0	73.0	78.0	70	42	36	2.43	1.81	1.95	171	77	70
MI	2,730	2,450	1,950	106.0	105.0	95.0	287	257	185	2.14	1.43	1.70	613	368	315
MN	6,300	5,600	5,000	115.0	122.0	127.0	725	706	635	2.05	1.46	1.55	1,465	1,033	964
MS	115	180	165	66.0	75.0	80.0	8	14	15	2.90	2.00	2.10	23	27	31
MO	2,480	2,420	2,150	110.0	116.0	113.0	273	281	243	2.14	1.45	1.66	584	407	401
NE	7,450	7,000	6,200	129.0	126.0	131.0	964	896	812	2.22	1.52	1.70	2,117	1,362	1,361
NY	720	620	510	95.0	99.0	109.0	68	61	56	2.45	1.76	1.85	166	106	103
NC	1,625	1,360	1,150	79.0	69.0	60.0	126	94	69	2.43	1.76	2.00	312	167	138
ND	580	530	500	72.0	93.0	93.0	40	49	47	2.17	1.42	1.65	87	70	77
OH	4,030	3,720	3,020	127.0	128.0	129.0	512	476	362	2.21	1.50	1.75	1,131	714	634
PA	1,380	1,240	1,080	110.0	103.0	90.0	152	126	95	2.46	1.63	2.15	376	234	205
SC	520	460	375	66.0	46.0	78.0	46	21	29	2.15	1.80	1.75	88	38	51
SD	3,000	2,850	2,750	84.0	82.0	83.0	252	234	228	2.07	1.37	1.55	522	320	364
TN	810	770	580	96.0	74.0	91.0	79	57	53	2.30	1.65	1.75	183	94	82
TX	1,490	1,330	1,250	105.0	112.0	107.0	156	149	134	2.49	1.87	2.05	390	276	274
VA	550	400	300	99.0	54.0	63.0	54	22	19	2.40	1.70	1.90	131	37	36
WA	135	120	60	160	170	180	22	20	14	2.65	1.80	2.00	57	37	27
WI	3,350	3,100	2,800	107.0	118.0	118.0	356	366	330	2.19	1.46	1.70	765	534	562

¹ 56 pounds per bushel. ² Marketing year average prices; see text, section 23. ³ Includes other States not shown separately.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Crop Production*, annual; and *Crop Values*, annual.

NO. 1125. SOYBEANS FOR BEANS—ACREAGE, PRODUCTION, AND VALUE, BY STATE: 1965 TO 1967

[See *Historical Statistics, Colonial Times to 1870*, series K 521, for U.S. totals]

STATE	ACREAGE HARVESTED (1,000 acres)			YIELD PER ACRE (bu.)			PRODUCTION (mil. bu.)			PRICE ¹ (dol. per bu.)			FARM VALUE (mil. dol.)		
	1965	1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967
Total ²	51,394	58,282	56,437	34.1	33.3	33.7	2,000	1,940	1,905	5.05	4.78	5.43	10,581	9,283	10,366
AR	3,700	3,300	3,150	28.5	20.0	22.0	98	66	69	5.19	4.97	5.75	509	328	398
GA	1,550	820	780	24.0	17.0	20.0	37	14	16	4.82	4.75	5.35	179	86	83
IL	9,000	9,000	8,500	42.5	40.0	38.0	383	360	323	5.17	4.91	5.50	1,978	1,768	1,778
IN	4,400	4,250	4,250	41.5	37.0	40.0	185	157	170	5.04	4.76	5.45	933	745	927
IA	8,150	8,450	7,900	38.0	41.5	43.5	310	351	344	4.99	4.73	5.35	1,545	1,659	1,830
KS	1,410	1,740	2,110	31.0	33.5	32.0	44	58	68	4.95	4.80	5.20	218	268	351
KY	1,230	1,120	980	34.0	32.0	25.0	42	36	24	5.28	4.97	5.50	220	178	132
LA	2,110	1,750	1,600	21.0	20.0	23.5	44	35	36	5.01	4.95	5.55	221	170	209
MI	1,080	930	1,090	32.0	31.0	35.0	35	29	38	4.93	4.87	5.30	170	135	202
MN	5,000	4,650	4,650	32.0	35.0	38.0	160	163	181	4.98	4.72	5.70	797	768	1,034
MS	2,620	2,450	2,450	27.0	17.0	19.5	71	42	48	5.18	4.93	5.65	365	205	270
MO	5,230	5,250	4,830	34.5	32.5	32.0	180	171	155	4.96	4.61	5.30	895	767	819
NE	2,380	2,450	2,300	36.0	38.0	35.5	85	93	82	4.86	4.58	5.20	413	425	425
NC	1,700	1,530	1,340	23.0	24.0	24.5	39	37	33	5.04	4.82	5.65	197	177	185
ND	480	470	475	28.0	35.0	32.5	13	16	15	4.70	4.63	5.20	61	75	80
OH	3,870	3,620	3,980	41.5	40.5	37.0	161	147	147	5.10	4.86	5.50	819	713	810
SC	1,230	830	730	20.0	16.5	21.5	25	14	18	5.09	4.93	5.80	125	88	93
SD	1,270	1,330	1,380	32.0	30.5	32.5	41	41	45	4.80	4.58	5.00	195	185	229
TN	1,400	1,420	1,250	31.0	25.0	23.0	45	35	29	5.08	4.87	5.50	230	173	158

¹ See footnote 2, table 1124. ² Includes other States not shown separately.

NO. 1125. WHEAT—ACREAGE, PRODUCTION, AND VALUE, BY STATE: 1965 TO 1967

[See *Historical Statistics, Colonial Times to 1870*, series K 505-508, for U.S. acreage, production, and price]

STATE	ACREAGE HARVESTED (1,000 acres)			YIELD PER ACRE (bushels) ¹			PRODUCTION (mil. bushels) ¹			PRICE ² (dol. per bu.)			FARM VALUE (mil. dol.)		
	1965	1966	1967, prel.	1965	1966	1967, prel.	1965	1966	1967, prel.	1965	1966	1967, prel.	1965	1966	1967, prel.
U.S. ³	64,734	66,723	66,930	37.5	34.4	37.8	2,426	2,982	2,105	3.86	2.42	2.85	7,374	5,044	5,371
CA	830	675	537	83.0	78.3	77.5	69	52	42	3.43	2.82	2.84	238	180	118
CO	3,522	2,955	2,555	39.6	32.6	38.1	139	96	97	2.77	2.26	2.45	387	216	239
ID	1,350	1,310	1,140	53.4	62.4	75.0	72	82	86	3.18	2.39	2.54	229	198	217
IL	750	820	950	48.0	44.0	58.0	37	36	56	3.02	2.41	2.80	111	87	148
KS	11,400	10,200	9,900	38.0	33.0	37.0	433	337	365	2.88	2.25	2.40	1,239	757	879
MN	2,883	2,814	2,519	53.1	38.8	40.7	142	104	103	3.00	2.43	2.51	428	252	257
MT	3,980	4,780	4,890	12.7	29.1	32.2	50	139	151	3.47	2.52	2.80	174	349	407
NE	2,300	2,000	1,950	38.0	38.0	44.0	80	76	86	2.79	2.23	2.35	250	169	202
ND	8,870	9,380	9,135	38.4	31.2	29.5	323	292	289	3.28	2.54	2.61	1,054	743	755
OH	650	1,050	800	62.0	48.0	58.0	59	48	46	2.98	2.39	2.55	178	115	116
OK	5,500	5,200	4,800	30.0	28.0	27.0	165	151	130	2.91	2.28	2.45	480	344	318
OR	1,085	1,025	810	52.6	57.0	65.3	56	58	53	3.38	2.59	2.70	189	151	143
SD	3,755	3,840	3,528	28.6	28.3	30.2	111	109	107	3.25	2.42	2.51	361	263	268
TX	5,850	4,800	3,600	32.0	25.0	28.0	187	120	101	2.97	2.32	2.35	555	279	237
WA	2,680	2,410	2,015	47.7	48.5	58.7	128	117	114	3.41	2.51	2.70	437	293	308

¹ 60 pounds per bushel. ² See footnote 2, table 1124. ³ Includes other States not shown separately.

NO. 1127. COTTON—ACREAGE, PRODUCTION, AND VALUE, BY STATE: 1965 TO 1967

[Cotton production excludes linters. Values shown are for marketing season or crop year and should not be confused with calendar-year income. See *Historical Statistics, Colonial Times to 1870*, series K 553-558 for U.S. totals]

STATE	ACREAGE HARVESTED (1,000)			YIELD PER ACRE (lb.)			PRODUCTION (1,000 bales) ¹			FARM PRICE PER LB. ² (cents)			FARM VALUE (mil. dol.)		
	1965	1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967
Total ³	18,239	8,488	10,035	630	652	706	12,432	5,731	14,780	55.3	52.4	54.2	3,589	2,448	4,547
AL	—	313	333	795	508	572	545	330	397	54.3	52.1	55.1	142	82	124
AZ	415	323	380	1,198	1,224	1,342	1,037	823	1,082	58.2	60.6	72.2	259	230	368
AR	440	480	550	767	802	788	703	602	901	55.9	49.7	62.8	189	144	272
CA	1,320	990	1,141	1,132	1,088	1,258	3,114	2,245	2,991	61.9	59.1	69.1	924	637	992
GA	245	195	245	725	455	662	370	185	338	54.3	58.3	62.4	88	52	101
LA	630	570	600	585	567	782	742	673	977	55.7	49.8	63.1	—	181	—
MS	1,040	1,000	1,010	764	571	829	1,655	1,180	1,745	55.9	50.9	62.5	444	291	524
OK	380	350	400	380	288	415	285	210	348	48.5	43.4	59.1	65	44	—
TN	355	335	435	600	587	700	419	388	634	53.6	49.0	63.3	108	93	193
TX	4,898	3,478	4,431	406	356	508	3,945	2,575	4,885	51.6	46.8	60.7	958	579	1,385

¹ Bales of 480 lb. net weight. ² See footnote 2, table 1124. ³ Includes other States not shown separately.Source of tables 1125-1127: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Crop Production*, May issue and *Annual*, and *Crop Values*, annual.

NO. 1128. TOBACCO—ACREAGE, PRODUCTION, AND VALUE, BY STATE: 1965 TO 1967

[See *Historical Statistics, Colonial Times to 1970*, series K 661-663, for U.S. acreage, production, and price]

STATE	ACREAGE HARVESTED (1,000)			YIELD PER ACRE (pounds)			PRODUCTION (mil. lb.)			PRICE ¹ (dol. per lb.)			FARM VALUE (mil. dol.)		
	1965	1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967	1965	1966	1967
Total ²	498	532	590	2,197	2,001	2,026	1,511	1,164	1,196	1.85	1.52	1.57	2,488	1,771	1,877
FL	6	5	6	2,675	2,510	2,465	16	13	14	1.71	1.62	1.64	26	22	23
GA	36	31	32	2,260	2,190	2,255	82	68	72	1.71	1.58	1.63	140	107	118
KY	186	153	145	2,300	2,054	2,056	426	315	305	1.58	1.55	1.56	678	488	476
MO	20	16	15	1,330	1,320	1,250	27	21	19	1.32	1.19	1.25	35	25	23
NC	251	215	225	2,220	2,073	2,075	557	445	467	1.71	1.53	1.56	951	662	737
OH	6	7	7	2,140	1,829	1,839	17	14	12	1.52	1.54	1.54	26	21	19
PA	12	11	11	1,804	1,965	1,962	22	22	21	.84	.67	.77	19	15	16
SC	43	37	42	2,300	2,040	2,240	99	75	94	1.73	1.44	1.61	171	109	151
TN	62	49	49	2,065	1,862	1,796	127	83	87	1.57	1.52	1.55	200	128	136
VA	43	38	39	2,104	1,913	1,990	91	74	77	1.69	1.61	1.52	154	111	117

¹ See footnote 6, table 1121

² Includes other States not shown separately.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Crop Production*, May issue and annual; and *Crop Values*, annual.

NO. 1129. SUGAR, BEET AND CANE—SUPPLY AND DISAPPEARANCE: 1970 TO 1967

[In thousands of short tons, raw value]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987, prel.
Total supply	14,382	13,132	14,821	14,119	14,989	12,441	12,893	12,043	11,987	11,637	12,887
United States production	5,674	6,300	5,793	5,739	6,225	5,936	5,682	5,890	5,969	6,257	7,304
Beet	3,511	3,473	3,086	3,062	3,162	3,180	2,586	3,059	2,899	3,201	3,884
Mainland cane ¹	1,201	1,720	1,687	1,661	1,966	1,793	2,060	1,799	2,069	2,024	2,431
Hawaii	1,162	1,107	1,080	1,023	1,048	963	1,044	1,062	1,014	1,032	979
Imports	5,296	3,982	5,027	4,486	5,025	2,964	3,166	3,559	2,797	2,223	1,546
Puerto Rico	353	96	47	179	48	80	67	24	36	31	12
Beginning stocks	2,869	2,854	3,754	3,701	3,062	3,461	3,066	2,570	3,005	3,126	3,225
Total disappearance	10,826	10,276	10,826	11,039	16,919	9,373	9,433	9,038	8,661	8,412	8,887
U.S. consumption	10,632	10,302	10,756	10,169	9,769	9,160	8,817	8,454	8,036	7,786	6,167
Exports	66	216	73	669	1,191	137	300	429	484	556	742
Other ²	328	-242	91	150	-41	78	216	165	182	70	-12

¹ Florida, Louisiana, and beginning 1975, Texas. ² Includes net change in invisible stocks, balancing items, and minor quantities of sugar for livestock feed and alcohol.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Sugar and Sweetener Outlook and Situation*.

NO. 1130. SUGARCANE AND SUGAR BEETS, AND SUGAR—SUMMARY: 1970 TO 1967

[Data are for crop year. See also *Historical Statistics, Colonial Times to 1970*, series K 542-546]

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Sugarcane for sugar and seed:											
Acreage harvested	1,000 acres	584	774	733	755	742	786	747	770	798	824
Yield per acre	Sh. tons	41.1	36.6	36.8	36.3	40.1	36.7	36.6	36.6	36.1	35.5
Production	Mil. tons	24.0	28.3	27.0	27.4	29.8	28.2	27.3	28.2	30.3	29.2
Price per ton for sugar ¹	Dollars	21.60	21.50	26.80	24.80	28.50	27.80	28.20	26.70	27.30	(NA)
Farm value ²	Mil. dol.	140	608	1,036	682	790	781	770	752	825	(NA)
Sugar beets:											
Acreage harvested	1,000 acres	1,413	1,517	1,190	1,228	1,027	1,086	1,086	1,103	1,191	1,251
Yield per acre	Sh. tons	18.7	19.6	19.8	22.4	20.3	19.9	20.2	20.4	21.1	22.3
Production	Mil. sh. tons	26.4	29.7	23.5	27.5	20.9	21.0	22.1	22.5	25.2	28.0
Price per ton ¹	Dollars	14.80	27.60	47.20	29.20	35.40	37.00	33.90	33.80	35.80	(NA)
Farm value	Mil. dol.	382	821	1,109	804	740	778	750	761	902	(NA)
Sugar produced:											
Beet, raw value ⁴	1,000 tons	3,322	4,019	3,149	3,368	2,737	2,899	2,902	3,000	3,416	3,953
Cane, raw value ⁴	1,000 tons	2,416	2,934	2,728	2,833	3,063	2,930	3,007	3,033	3,261	3,333
Per ton of cane ⁴	Lb.	210	214	213	217	215	216	231	228	227	236
Cane, refined basis ⁵	1,000 tons	2,259	2,743	2,550	2,647	2,863	2,739	2,811	2,835	3,066	3,115
Molasses made from sugar-cane ⁶	Mil. gal.	141	163	163	163	177	178	174	179	186	184

NA: Not available.

¹ Season average prices received by farmers. Prices exclude Government payments under Sugar Act.
² Excludes Hawaii. ³ Price per ton of cane for sugar used in evaluating value of production for seed. ⁴ Raw value equals 98° sugar as defined in Sugar Act of 1948. ⁵ Calculated on the basis of 100 lbs. of raw sugar required to produce 83.46 lbs. of refined sugar. ⁶ 80° brix except 85° brix for Hawaii. Includes high-test molasses from frozen cane. Excludes edible molasses.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Field Crops (Statistical Bulletin 708)*; *Crop Production*, June issue and annual; and *Crop Values*, annual.

NO. 1131. COMMERCIAL VEGETABLE AND OTHER SPECIFIED CROPS—AREA, PRODUCTION, AND VALUE, 1985 TO 1987, AND LEADING PRODUCING STATES, 1987

[Relates to commercial production for fresh market and processing combined. Includes market garden areas but excludes minor producing acreage of minor producing States. Excludes production for home use in farm and nonfarm gardens. Value is for season or crop year and should not be confused with calendar-year income.]

CROP	AREA * 100 acres			PRODUCTION ² * 100 short tons			VALUE ³ (mil. dol.)			Leading States in order of production, 1987
	1985	1986	1987	1985	1986	1987	1985	1986	1987	
Asparagus.....	9.5	86.2	100.2	136.8	111.5	117.4	137.5	137.0	136.0	CA WA MI
Beans, snap ⁴	222.2	480.8	220.2	702.5	608.4	676.3	118.8	97.3	108.1	WI OR NY
Beans, dry edible.....	481.4	485.2	708.4	1,038.8	1,144.2	375.5	388.4	436.3	406.6	CA MI NE
Broccoli.....	108.5	119.1	120.2	53.4	576.5	57.6	238.3	238.7	238.8	CA TX AZ
Carrots.....	90.1	86.1	93.1	1,458.8	1,171.1	1,277.0	208.4	235.9	215.9	CA WA TX
Cauliflower.....	61.2	67.8	66.1	333.2	376.4	367.0	108.1	191.9	187.6	CA AZ NY
Celery.....	33.9	33.3	34.0	917.5	880.7	882.4	188.5	211.1	197.0	CA FL MI
Corn, sweet.....	625.9	588.0	621.0	3,426.1	3,310.3	3,638.6	367.5	388.7	388.2	WI MI WA
Cucumbers ⁴	115.2	110.5	108.8	684.4	638.6	635.5	123.6	113.4	114.4	MI NC CA
Honeydew melons.....	25.7	28.8	28.8	237.9	271.9	240.6	58.1	66.1	66.3	CA TX AZ
Lettuce.....	225.7	216.3	221.0	3,080.2	2,931.1	2,805.2	675.3	701.3	657.0	CA AZ FL
Peppermint.....	65.1	64.2	65.8	4.3	4.3	4.4	44.0	46.2	52.0	OR WA ID
Spearmint.....	30.1	28.5	23.8	2.3	2.7	2.1	27.1	30.4	25.0	WA ID IN
Onions.....	122.8	115.3	123.7	2,253.0	2,185.1	2,250.0	347.2	427.7	503.7	TX CO OR
Peas, green ⁴	353.6	272.4	280.3	577.8	414.9	438.5	138.5	93.8	98.6	WI NY WA
Potatoes.....	1,381.1	1,219.6	1,282.1	2,035.6	1,807.6	1,829.0	1,570.6	1,808.5	1,702.0	ID WA CA
Strawberries.....	44.1	44.4	44.6	508.4	508.7	556.0	450.8	503.6	548.1	WI CA OR
Sweet potatoes.....	105.3	93.4	93.3	742.7	637.7	605.2	130.5	138.0	160.0	NC CA TX
Tomatoes.....	380.1	379.2	386.2	8,672.0	8,971.0	9,183.9	1,197.9	1,264.9	1,274.7	CA TX SC

¹ Area of crops for harvest for fresh market, including any partially harvested or not harvested because of low prices or other factors, plus area harvested for processing. ² Excludes some quantities not marketed. ³ Fresh market vegetables valued at f.o.b. shipping point. Processing vegetables are equivalent returns at packinghouse door. ⁴ Processing only.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Vegetables*, annual summary; *Also in Agriculture Statistics*, annual.

NO. 1132. FRUITS AND NUTS—UTILIZED PRODUCTION AND VALUE, 1985 TO 1987, AND LEADING PRODUCING STATES, 1987

FRUIT OR NUT	Unit	UTILIZED PRODUCTION ¹			FARM VALUE (mil. dol.)			Leading States in order of production, 1987
		1985	1986	1987	1985	1986	1987	
Apples (35 States) ²	Mil. lb.	7,836	7,907	10,242	917	1,059	980	WA MI NY
Apricots.....	1,000 tons.....	108	55	105	28	22	37	CA WA UT
Avocados.....	1,000 tons.....	189	303	239	179	104	150	CA FL
Bananas.....	Mil. lb.	8	10	11	2	3	3	HI
Cherries, sweet.....	1,000 tons.....	127	137	209	101	113	155	WA OR CA
Cherries, tart.....	Mil. lb.	280	218	286	63	44	17	MI NY UT
Cranberries.....	1,000 bbl. ³	3,485	3,640	3,258	190	188	189	MA WI NJ
Dates.....	1,000 tons.....	29	18	19	25	15	16	CA
Figs (fresh).....	1,000 tons.....	33	49	49	10	14	15	CA
Grapefruit (4 States).....	Mil. boxes ⁴	56	57	63	309	340	412	FL CA AZ
Grapes (12 States).....	1,000 tons.....	5,607	5,225	5,250	959	1,173	1,381	CA WA NY
Kiwifruit.....	1,000 tons.....	21	23	27	17	24	18	CA
Lemons (2 States).....	Mil. boxes ⁵	28	18	29	188	219	182	CA AZ
Limes (FL).....	Mil. boxes ⁶	2	2	1	20	22	20	FL
Nectarines.....	1,000 tons.....	210	172	191	69	78	66	CA
Olives.....	1,000 tons.....	96	112	88	54	66	42	CA
Oranges and tangerines (4 States).....	Mil. boxes ⁷	162	180	186	1,508	1,151	1,380	FL CA AZ
Papayas.....	Mil. lb.	60	61	67	9	11	11	HI
Peaches (32 States).....	Mil. lb.	2,046	2,240	2,301	307	327	326	CA SC GA
Pears.....	1,000 tons.....	747	760	938	201	203	185	CA WA OR
Pineapples.....	1,000 tons.....	565	646	692	91	100	98	HI
Plums and prunes (fresh).....	1,000 tons.....	645	487	974	192	192	249	CA OR MI
Pomegranates.....	1,000 tons.....	19	22	19	6	6	8	CA
Tangelos (FL).....	Mil. boxes ⁸	4	3	4	34	19	25	FL
Temple (FL).....	Mil. boxes ⁸	3	3	3	26	18	21	FL
Almonds (shelled basis).....	Mil. lb.	485	250	890	361	462	616	CA
Filberts (in the shell).....	1,000 tons.....	25	15	22	17	11	21	OR WA
Macadamia nuts.....	Mil. lb.	42	44	43	30	35	36	HI
Pecans (in the shell) (11 States).....	Mil. lb.	244	273	262	186	196	139	GA TX AL
Pistachios.....	Mil. lb.	27	75	33	36	60	45	CA
Walnuts, English (in the shell).....	1,000 tons.....	219	180	247	175	194	236	CA

¹ Excludes quantities not harvested or not marketed. ² Production in commercial orchards with 100 or more bearing age trees. ³ Barrels of 100 pounds. ⁴ Approximate average, net weight, is 65 lb. in AZ and CA, 88 in FL, and 80 in TX. ⁵ About 76 lb. net. ⁶ Approximate net weight is 80 lb. ⁷ Net contents of box varies. In CA and AZ approximate average for oranges and tangerines is 75 lb.; FL oranges, 90 lb.; TX oranges, 85 lb.; and FL tangerines, 95 lb. ⁸ Approximate net weight is 80 lb.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Noncitrus Fruits and Nuts*, annual; and *Citrus Fruits*, annual.

NO. 1133. RED MEATS—SLAUGHTERING, PRODUCTION, AND TRADE: 1970 TO 1987

[Quantities represent carcass weight equivalent. 1970 excludes Alaska and Hawaii except for exports and imports. Covers inspected, noninspected, retail, and farm slaughter. Excludes edible byproducts. Excludes USDA exports, military civilian feeding, and voluntary relief feeding. See also *Historical Statistics, Colonial Times to 1970*, series K 563-594]

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
All red meats:												
Animals slaughtered, total	Mil. head	137.3	124.8	132.0	139.7	136.8	128.8	135.0	133.8	131.3	126.8	125.5
Under Federal inspection	Percent	99	91	94	94	94	95	95	96	96	96	97
Production, total ¹	Bil. lb.	36.2	36.8	37.6	39.0	39.0	37.6	39.3	39.3	39.4	39.3	38.7
Federally inspected	Percent	99	90	94	94	94	95	95	96	96	96	97
Exports of U.S. production ²	Mil. lb.	305	448	673	642	714	680	682	699	646	600	601
Imports for consumption	Mil. lb.	2,429	2,248	2,074	2,864	2,333	2,599	2,670	2,821	3,255	3,319	3,530
Beef:												
Animals slaughtered, total	Mil. head	35.4	41.5	34.0	34.1	35.3	36.2	37.0	37.9	37.8	37.8	36.9
Under Federal inspection	Percent	87	89	94	94	94	94	94	95	96	96	97
Production, total	Bil. lb.	21.7	24.0	21.4	21.6	22.4	22.5	23.2	23.6	23.7	24.4	23.6
Federally inspected	Percent	98	90	94	94	94	95	95	96	96	96	97
Exports of U.S. production ²	Mil. lb.	101	110	216	220	252	305	312	378	379	573	658
Imports for consumption	Mil. lb.	1,792	1,756	2,405	2,054	1,743	1,939	1,931	1,823	2,071	2,129	2,289
Veal:												
Animals slaughtered, total	Mil. head	4.2	5.4	2.9	2.7	2.9	3.1	3.2	3.4	3.5	3.5	2.9
Under Federal inspection	Percent	72	72	89	89	89	88	88	90	92	92	95
Production, total	Mil. lb.	588	873	434	400	438	448	454	495	514	524	429
Federally inspected	Percent	57	57	73	74	74	76	78	82	86	87	89
Lamb and mutton:												
Animals slaughtered, total	Mil. head	10.8	8.1	5.2	5.7	6.2	6.6	6.8	6.9	6.3	5.8	5.3
Under Federal inspection	Percent	93	94	98	96	98	94	94	95	95	95	97
Production, total	Mil. lb.	551	410	259	318	338	365	376	380	367	337	318
Federally inspected	Percent	93	94	94	94	94	95	95	96	96	96	96
Pork:												
Animals slaughtered, total	Mil. head	87.0	89.8	90.2	97.2	92.5	92.8	98.1	96.8	94.9	90.0	91.4
Under Federal inspection	Percent	90	93	95	96	96	96	96	96	97	97	97
Production, total ¹	Bil. lb.	13.4	11.6	15.5	16.8	15.9	14.2	15.2	14.8	14.8	14.1	14.4
Federally inspected	Percent	90	93	95	95	95	96	96	96	97	97	97

¹ Excludes lard. ² Includes shipments to territories.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Livestock and Meat Statistics*, annual.

NO. 1134. DAIRYING—COWS AND DAIRY PRODUCTS: 1970 TO 1987

[See also *Historical Statistics, Colonial Times to 1970*, series K 595-606]

ITEM	Unit	1970	1975	1980	1982	1983	1984	1985	1986	1987
Cows and heifers that have calved, kept for milk, Jan. 1 ¹	Mil. head	13.3	11.1	10.8	11.0	11.0	11.1	10.8	11.2	10.5
Milk produced on farms	Bil. lb.	117	116	128	136	140	135	143	143	142
Production per cow	1,000 lb.	8.6	10.4	11.9	12.3	12.6	12.8	13.0	13.3	13.8
Whole milk sold from farms ²	Bil. lb.	113	112	126	133	137	133	141	141	140
Sales to plants and dealers	Bil. lb.	110	110	126	132	136	131	139	140	139
Value of milk produced	Bil. dollars	6.8	10.2	16.9	18.8	19.1	18.3	18.4	18.1	18.0
Gross farm income: dairy products	Bil. dollars	6.7	10.1	16.7	18.3	18.9	18.1	18.2	17.8	17.8
Cash receipts from marketing of milk and cream ³	Bil. dollars	6.5	9.9	16.6	18.2	18.8	17.9	18.1	17.8	17.7
Sales to plants and dealers	Bil. dollars	6.3	9.7	16.3	17.9	18.5	17.7	17.8	17.5	17.5
Number of dairy plants manufacturing one or more dairy products	Number	2,749	2,801	2,257	2,076	2,120	2,059	2,061	1,998	1,933
Manufactured dairy products										
Butter (incl. whey butter)	Mil. lb.	1,137	984	1,145	1,257	1,299	1,103	1,248	1,202	1,104
Cheese total ⁴	Mil. lb.	2,201	2,811	3,994	4,542	4,819	4,674	5,091	5,208	5,344
American (exc. full-skim American)	Mil. lb.	1,428	1,980	2,378	2,752	2,928	2,648	2,855	2,798	2,717
Swiss (including block)	Mil. lb.	144	174	219	221	209	208	223	227	227
Muenster, Brick, and Limburger ⁵	Mil. lb.	59	74	87	87	85	83	103	110	123
Cream and Neuchâtel	Mil. lb.	126	180	229	263	270	276	294	322	342
All Italian varieties	Mil. lb.	394	672	983	1,088	1,200	1,319	1,491	1,633	1,800
Cottage cheese: Creamed ⁶	Mil. lb.	1,038	991	825	749	743	736	716	705	675
Curd, pot, and bakers ⁷	Mil. lb.	728	701	667	629	618	606	599	600	574
Condensed bulk milk	Mil. lb.	1,237	1,041	952	975	984	1,159	1,232	1,362	1,383
Evaporated and condensed canned milk	Mil. lb.	1,293	938	725	754	710	668	656	602	597
Dry whole milk	Mil. lb.	69	63	63	102	111	120	119	122	146
Nonfat dry milk solids ⁸	Mil. lb.	1,456	1,009	1,188	1,410	1,510	1,168	1,398	1,294	1,079
Dry whey ⁹	Mil. lb.	621	508	690	791	892	898	887	1,031	1,034
Dry buttermilk	Mil. lb.	60	43	44	39	46	43	52	66	66
Ice cream of all kinds	Mil. gal.	762	837	830	852	882	894	901	924	931
Milk sherbet	Mil. gal.	49	49	46	46	48	47	48	50	50
Ice milk	Mil. gal.	287	299	293	281	295	300	301	315	330
Wholesale prices, American cheese: 40-lb. blocks, vhs. assembly points	Cents per lb.	55.0	66.6	133.0	138.3	136.3	136.0	127.7	127.5	123.2
Prices received by farmers, whole milk	Dollars	5.71	8.75	13.05	13.61	13.58	13.46	12.75	12.51	12.54
Wholesale, per 100 lb.	Cents per qt.	27.0	35.4	45.3	48.1	48.4	49.2	46.7	48.3	48.6
Sold directly to consumers										

¹ For 1970, cows and heifers 2 years old and over. ² Complete sales to plants and dealers, and retail sales by farmers direct to consumers. ³ Includes varieties not shown separately. Beginning 1975, includes full-skim. ⁴ Beginning 1986, excludes Limburger. ⁵ Includes partially creamed (low fat). ⁶ Includes dry skim milk for animal feed. ⁷ Includes animal but excludes modified whey production.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Production of Manufactured Dairy Products*, annual; and *Milk Production, Disposition, and Income*, annual.

No. 1135. LIVESTOCK INVENTORY AND PRODUCTION: 1970 TO 1988

[See also Historical Statistics, Colonial Times to 1970, series K 584-589 and 575-582]

TYPE OF LIVESTOCK	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987	1988
ALL CATTLE												
Inventory: ¹ Number on farms	Mil.	112.4	132.0	111.2	114.4	115.4	115.0	113.7	109.7	105.5	102.0	99.0
Total value	Bil. dol.	20.2	21.0	55.8	54.1	47.9	46.7	45.0	44.1	41.3	41.5	51.8
Value per head	Dol.	179	159	502	473	415	406	398	402	391	407	523
Production: Quantity ²	Bil. lb.	39.4	40.9	40.3	41.2	40.7	40.3	40.0	40.2	40.5	40.3	(NA)
Beef, price per 100 lb.	Dol.	27.10	32.20	52.40	58.80	56.70	55.50	57.30	53.70	52.60	61.10	(NA)
Calves, price per 100 lb.	Dol.	34.50	27.20	76.80	64.00	59.80	61.70	59.90	62.10	61.10	76.50	(NA)
Value of production	Bil. dol.	10.9	12.8	25.5	23.7	22.6	22.0	22.1	21.2	20.9	24.6	(NA)
HOGS AND PIGS												
Inventory: ³ Number on farms	Mil.	57.0	54.7	57.3	64.5	58.7	54.5	56.7	54.1	52.3	50.9	53.6
Total value	Bil. dol.	2.2	2.5	3.8	4.8	4.1	4.9	3.3	4.1	3.6	4.7	4.1
Value per head	Dol.	39.00	44.80	58.00	74.70	70.10	89.90	58.80	75.00	68.60	91.90	76.20
Production: Quantity ²	Bil. lb.	21.8	16.8	23.4	21.8	19.7	21.2	20.2	20.2	19.4	20.4	(NA)
Price per 100 lb.	Dol.	22.70	48.10	38.00	43.90	52.30	46.80	47.10	44.00	49.30	51.20	(NA)
Value of production	Bil. dol.	5.0	7.8	8.9	9.5	10.3	9.9	9.5	8.9	9.6	10.4	(NA)
SHEEP AND LAMBS												
Inventory: ¹ Number on farms	Mil.	20.4	14.5	12.7	12.8	13.0	12.1	11.5	10.4	10.0	10.3	10.6
Total value	Mil. dol.	513	442	983	904	742	628	599	638	673	782	989
Value per head	Dol.	25.10	30.50	78.20	69.90	57.10	51.80	52.10	61.10	67.40	75.70	89.90
Production: Quantity ²	Mil. lb.	1,090	785	746	772	785	788	694	694	721	742	(NA)
Sheep, price per 100 lb.	Dol.	7.52	11.30	21.30	21.20	19.50	15.70	16.40	23.90	25.60	29.50	(NA)
Lambs, price per 100 lb.	Dol.	26.40	42.10	63.60	54.90	53.10	53.90	60.10	67.70	69.00	77.60	(NA)
Value of production	Mil. dol.	280	303	403	358	356	357	377	428	444	499	(NA)

NA Not available. ¹ As of Jan. 1. ² Liveness production. Adjustment made for changes in inventory and for shipments. ³ As of Dec. 1 of preceding year.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Meat Animals—Production, Disposition, and Income*, annual; and annual livestock summaries. Also in *Agricultural Statistics*, annual.

No. 1136. LIVESTOCK ON FARMS—NUMBER, PRODUCTION, AND VALUE, BY STATE: 1987 AND 1988

STATE	ALL CATTLE			MILK COWS			SHEEP AND LAMBS			HOGS AND PIGS		
	Number on farms, ¹ 1988 (1,000)	Quantity produced, ² 1987 (mil. lb.)	Value of production, 1987 (mil. dol.)	Number on farms, ¹ 1987 (1,000)	Milk produced on farms, 1987 (mil. lb.)	Value of milk produced, ⁴ 1987 (mil. dol.)	Number on farms, ¹ 1988 (1,000)	Quantity produced, ² 1987 (mil. lb.)	Value of production, 1987 (mil. dol.)	Number on farms, ³ 1987 (1,000)	Quantity produced, ² 1987 (mil. lb.)	Value of production, 1987 (mil. dol.)
U.S. ⁵	98,994	48,382	24,829	10,307	142,462	18,004	10,774	742	488	53,795	20,419	10,427
AZ	980	581	356	90	1,432	183	284	13	6	130	54.5	31.0
AR	1,850	658	384	72	748	108	-	-	-	488	216.5	103.9
CA	4,800	1,803	1,083	1,005	17,834	2,081	1,015	95	89	130	54.5	31.6
CO	2,700	1,608	1,120	72	1,192	164	890	46	31	205	71.8	36.5
FL	1,970	425	287	179	2,208	382	-	-	-	150	50.2	25.1
GA	1,520	394	229	102	1,155	184	-	-	-	1,175	368.5	204.9
ID	1,570	752	453	180	2,375	273	324	31	21	80	27.4	13.7
IL	2,060	802	508	210	2,775	350	107	8	6	5,300	2,141.9	1,061.2
IN	1,380	418	240	180	2,415	307	80	7	4	4,800	1,805.7	905.0
IA	4,800	2,242	1,378	299	3,550	430	405	33	23	13,600	5,360.1	2,786.6
KS	5,880	3,046	1,967	104	1,241	155	277	11	13	1,450	575.8	284.6
KY	2,450	729	441	218	2,338	302	34	3	2	900	345.0	162.8
MI	1,225	482	247	356	5,248	683	105	9	6	1,350	434.3	217.6
MN	2,850	1,421	828	810	10,438	1,238	238	16	12	4,350	1,615.0	840.3
MO	4,250	1,300	633	224	2,900	380	109	6	5	2,850	1,139.7	590.1
MT	2,350	889	580	25	331	42	538	35	23	230	84.3	38.5
NE	5,450	3,441	2,213	100	1,340	160	160	13	9	4,000	1,487.0	780.2
NM	1,320	802	383	59	979	129	451	19	13	31	11.7	5.9
NY	1,702	242	131	844	11,382	1,448	63	4	2	124	41.3	20.4
NC	625	284	160	105	1,555	229	13	1	(2)	2,500	919.4	468.3
ND	1,800	749	497	99	1,103	122	189	14	9	320	109.0	52.7
OH	1,820	582	353	368	4,810	614	270	17	12	2,150	789.8	397.2
OK	5,050	2,112	1,222	108	1,170	157	124	6	4	200	86.2	43.1
OR	1,380	489	289	94	1,471	187	480	37	24	100	46.6	24.6
PA	1,920	572	333	724	10,183	1,358	10	6	4	880	290.2	141.1
SD	3,500	1,783	1,117	147	1,758	208	610	54	41	1,520	659.9	345.2
TN	2,300	744	406	204	2,207	297	12	1	(2)	900	280.6	136.2
TX	13,500	5,445	3,384	340	11,121	1,377	1,980	116	79	580	216.8	109.2
UT	780	291	186	73	1,121	137	478	36	24	28	7.8	3.7
VA	1,700	682	387	145	2,016	272	140	10	6	420	187.2	83.7
WA	1,280	533	328	211	3,783	475	72	6	4	55	18.5	9.3
WI	4,230	1,355	786	1,790	24,800	3,014	78	8	6	1,280	587.9	288.7
WY	1,280	465	315	10	120	14	885	50	31	35	10.1	5.1

- Represents zero. Z Less than \$500,000. ¹ As of January 1. ² Liveness production. Adjustment made for changes in inventory and for shipments. ³ Represents cows and heifers that have calved, kept for milk. ⁴ Valued at average returns per 100 pounds of milk in combined marketings of milk and cream. Includes value of milk fed to calves. ⁵ As of December 1. ⁶ Includes other States, not shown separately.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Meat Animals—Production, Disposition and Income*, annual; and *Milk Production, Disposition, and Income*, annual.

NO. 1137. POULTRY—NUMBER ON FARMS, VALUE, PRODUCTION, AND PRICES: 1970 TO 1987

[For year ending November 30 except as noted. See also *Historical Statistics, Colonial Times to 1970*, series K 609-623]

ITEM	Unit	1970	1975	1978	1980	1981	1982	1983	1984	1985	1986	1987
Chickens: ¹ Number ²	Million	433	385	401	382	385	379	365	374	369	369	378
Value per head ²	Dollars	1.21	1.74	1.81	1.88	1.89	1.85	1.95	2.02	1.90	1.87	1.87
Value, total ²	Mil. dol.	525	680	728	737	728	703	717	754	700	691	706
Number produced ³	Million	284	233	251	241	242	248	232	242	220	216	218
Price per lb. ³	Cents	9.1	9.9	13.9	11.0	11.1	10.3	12.7	15.9	14.8	12.5	11.0
Production value ²	Mil. dol.	107	105	171	129	135	121	145	181	152	128	114
Broilers: ⁴ Number produced	Million	2,967	2,950	3,951	3,983	4,148	4,149	4,184	4,282	4,479	4,548	5,003
Price per lb	Cents	13.6	26.3	28.0	27.7	26.4	28.9	28.6	33.7	30.1	34.5	28.7
Production value	Mil. dol.	1,475	2,915	4,032	4,303	4,889	4,502	4,873	6,018	5,680	6,780	6,176
Turkeys: Number raised	Million	116	124	156	185	171	185	171	171	185	207	240
Price per lb	Cents	22.6	34.8	41.1	41.3	38.2	39.5	38.0	48.9	49.1	47.1	34.8
Gross income	Mil. dol.	498	799	1,214	1,272	1,248	1,255	1,289	1,655	1,619	1,948	1,701

¹Excludes commercial broilers. ²As of Dec. 1. ³Beginning 1985, represents number sold and value of sales. ⁴Young chickens of the heavy breeds and other meat-type birds, to be marketed at 2-5 lbs. live weight and from which no pullets are kept for egg production. Not included in production of chickens.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Hatchery Production—Annual*; *Poultry—Production, Disposition, and Income*; and *Turkeys*.

NO. 1138. POULTRY—PRODUCTION, BY STATE: 1986 AND 1987

[In millions. See *Historical Statistics, Colonial Times to 1970*, series K 614 and 621 for U.S. totals]

STATE	CHICKENS SOLD		BROILERS PRODUCED		TURKEYS RAISED		STATE	CHICKENS SOLD		BROILERS PRODUCED		TURKEYS RAISED	
	1986	1987	1986	1987	1986	1987		1986	1987	1986	1987	1986	1987
U.S.	216	218	4,548	5,003	207	240	MI	5.5	4.4	.8	7	2.7	3.0
AL	10.0	10.0	587.6	665.5	(Z)	(Z)	MN	7.7	7.7	29.7	31.7	34.2	40.5
AR	16.0	18.2	788.8	878.6	16.5	18.0	MO	7.8	8.1	335.7	343.4	(Z)	(Z)
CA	19.7	18.6	184.8	(Z)	21.9	25.5	ND	4.0	5.0	(D)	(D)	13.5	15.5
CT	3.1	4.5	(Z)	(Z)	(Z)	(Z)	NY	5.6	6.5	2.0	2.1	3	4
DE	.8	.8	198.8	209.8	(Z)	(Z)	NC	11.8	11.6	450.5	477.7	39.1	48.4
FL	5.2	4.6	111.8	117.0	(Z)	(Z)	OH	11.9	11.2	9.9	11.0	3.1	3.4
GA	16.5	16.1	897.4	733.4	2.4	2.4	OK	3.1	3.0	79.5	90.6	(D)	(D)
IL	2.0	2.1	(Z)	(Z)	3	7	OR	1.5	1.9	15.8	17.0	1.5	1.6
IN	16.6	15.6	(D)	(D)	9.4	13.0	PA	15.9	15.9	101.9	115.6	7.8	8.0
IA	4.5	5.0	2.7	2.8	7.0	8.5	SC	4.5	4.3	63.8	66.1	3.9	4.0
KY	1.3	1.3	3.0	2.9	(Z)	(Z)	TN	1.9	1.7	82.5	92.5	(Z)	(Z)
LA	1.2	1.1	(D)	(D)	(Z)	(Z)	TX	10.3	10.9	238.6	250.0	(D)	(D)
ME	4.6	3.8	(D)	(D)	(Z)	(Z)	VA	2.6	2.7	154.2	154.0	14.3	16.2
MD	2.6	2.7	283.9	264.2	(D)	(D)	WA	3.4	5.6	25.1	26.2	(Z)	(Z)
MA	1.2	1.1	(Z)	(Z)	1	1	WV	.4	.4	29.0	32.8	2.2	2.4
							WI	2.2	2.1	11.8	13.2	8.1	5.5
							Other ¹	10.7	11.1	181.0	205.3	20.9	22.7

D Withheld to avoid disclosure. Z Less than 800,000 broilers or 50,000 turkeys. ¹Derived by subtracting printed estimates from U.S. total.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Layers and Egg Production—Annual*; *Poultry—Production, Disposition, and Income*; and *Turkeys*.

NO. 1139. EGG PRODUCTION, SUPPLY, AND USE: 1983 TO 1987

[In millions of dozens, except as indicated]

YEAR	PRODUCTION ¹			SUPPLY			USE			
	Number produced	Price per dozen (cents)	Production value (mil. dol.)	Total ²	Production	Imports	Total	Consumption	Hatchling use	Exports ³
1983	5,681	61.1	3,469	5,703	5,659	23	5,684	5,081	500	112
1984	5,666	72.3	4,110	5,750	5,706	32	5,739	5,123	530	86
1985	5,701	57.1	3,253	5,712	5,666	13	5,701	5,052	548	101
1986	5,700	61.6	3,510	5,729	5,705	14	5,719	5,023	567	130
1987	5,791	54.9	3,177	5,812	5,787	8	5,799	5,067	595	136

¹For year ending November 30. ²Includes beginning stocks, not shown separately. ³Includes shipments to territories.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Layers and Egg Production—Annual*; and Economic Research Service, *Agricultural Outlook*, monthly.



Section 24

Forests and Fisheries

This section presents data on the area, ownership, and timber resource of commercial timberland; forestry statistics covering the National Forests and Forest Service cooperative programs; product data for lumber, pulpwood, woodpulp, paper and paperboard, and similar data. In addition, data are presented on commercial fishing and the fish processing industry.

The principal sources of data relating to forests and forest products are: *An Analysis of the Timber Situation in the United States, 1952-2030, Appendix 3*; *U.S. Timber Production, Trade, Consumption, and Price Statistics, 1950-87*; and *Land Areas of the National Forest System*, issued annually by the Forest Service of the Department of Agriculture; *Agricultural Statistics* issued by the Department of Agriculture; and reports of the census of manufactures (taken every five years) and the annual *Current Industrial Reports*, issued by the Bureau of the Census. Additional information is published in the monthly *Survey of Current Business* of the Bureau of Economic Analysis; and the annual *Wood Pulp and Fiber Statistics* and *The Statistics of Paper, Paperboard, and Wood Pulp* of the American Paper Institute, New York, NY.

The Bureau of the Census also collects data on foreign trade of forest products. The Bureau of Labor Statistics publishes monthly and annual statistics of producer prices for lumber.

The completeness and reliability of statistics on forests and forest products vary considerably. The data for forest land area and stand volumes are much more reliable for areas which have been recently surveyed than for those for which only estimates are available. In general, more data are available for lumber and other manufactured products such as veneer and plywood, etc., than for the primary forest products such as poles and piling and fuelwood.

The principal sources of data relating to fisheries are *Fishery Statistics of the United States*, and *Fisheries of the United States*, both issued annually by the National Marine Fisheries Service (NMFS), National Oceanic and Atmospheric Administration (NOAA).

The NMFS collects and disseminates data on commercial landings of fish and shellfish, freezings and holdings of fishery products, fish meal and oil production, and foreign trade in fishery products. Quarterly data are published on U.S. output of fish sticks, fish portions, and breaded shrimp. Annual reports include quantity and value of commercial landings of fish and shellfish (by species, region, State, and type of fishing gear), disposition of landings, number of fishermen, and number and kinds of fishing vessels and fishing gear. Reports for the fish-processing industry include annual output of canned, packaged, and industrial products and, for the wholesaling and fish processing establishments, annual and seasonal employment, and number of firms, by product and State.

The Magnuson Fishery Conservation and Management Act of 1976 (Magnuson Act), Public Law 94-265 as amended, provides for the conservation and management of all fishery resources within the U.S. Exclusive Economic Zone (EEZ), except highly migratory species of tuna, and gives the Federal Government exclusive authority over domestic and foreign fisheries within 200 nautical miles of U.S. shores and over certain living marine resources beyond the EEZ. Within the EEZ, the total allowable level of foreign fishing, if any, is that portion of the "optimum yield" not harvested by U.S. vessels. Adjustments in the "optimum yield" level may occur periodically. For details, see *Fisheries of the United States, 1986*. The NMFS collects and disseminates data on catches by foreign fishing vessels in the EEZ.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

NO. 1140. NATIONAL FOREST LANDS AND PURCHASES: 1960 TO 1967

[Area as of June 30 except, beginning 1966, as of Sept. 30; purchases for years ending June 30, except as noted. Includes Puerto Rico. Prior to Oct. 1976, lands to be purchased under the Weeks Law and related acts were approved by the National Forest Reservation Commission which also set prices on such lands. With the passage of the National Forest Management Act, all functions of the Commission were transferred to the Secretary of Agriculture. Actual purchases are made by U.S. Department of Agriculture. See also *Historical Statistics, Colonial Times to 1970*, series L 10-14]

ITEM	Unit	1960	1961	1962	1963	1964	1965	1966	1967
Gross area ¹	ML. acres	227	226	226	226	226	230	230	230
National Forest System	ML. acres	186	187	187	188	187	191	191	191
Approved for purchase	1,000 acres	8	29	92	12	42	7	16	23
Average price per acre	Dollars	15	47	125	275	864	332	544	431
Total price	ML. dol.	.1	1.3	11.5	3.3	27.9	2.4	8.9	7.0
Purchases completed	1,000 acres	8	33	113	34	27	31	35	33
Average price per acre	Dollars	31	39	96	267	617	330	407	653
Total price	ML. dol.	.2	1.3	10.9	9.1	17.1	10.0	14.0	9.8
Gross area of purchase units	ML. acres	56	56	56	56	56	58	58	58
Purchase completed, net area ²	ML. acres	19	19	20	20	20	20	20	20
Average price per acre	Dollars	4	4	6	9	12	15	15	16
Total price	ML. dol.	.75	.79	1.25	1.79	2.50	2.94	3.05	3.14

¹ Comprises all publicly and privately owned land within authorized boundaries of national forests, purchase units, national grasslands, and land utilization projects (research and experimental areas, and other areas). ² Cumulative total. Under the March 1, 1911 Act of Congress (Weeks Law), as amended, and related acts.

Source: U.S. National Forest Reservation Commission, *Final Report to October 1976*; and U.S. Forest Service, *Land Areas of the National Forest System*, annual, and unpublished data.

NO. 1141. NATIONAL FOREST SYSTEM—SUMMARY: 1970 TO 1967

[For fiscal years ending in year shown; see text, section 9. Includes Alaska and Puerto Rico, except as noted. See *Historical Statistics, Colonial Times to 1970*, series J 33-34, for similar but not comparable grazing data, and L 15-31]

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Timber cut, total value	ML. dol.	305.6	385.4	736.6	729.9	348.7	655.9	763.9	724.5	789.9	1,018.0
Commercial and cost sales ¹											
Volume	ML. bd. ft.	11,827	9,174	9,176	8,036	6,747	9,244	10,549	10,941	11,786	12,712
Value	ML. dol.	307.6	396.0	729.6	720.9	338.2	648.7	759.6	720.6	786.9	1,016.0
Free use											
Volume	ML. bd. ft.	179	618	2,070	2,107	2,343	1,071	570	399	306	209
Value ²	ML. dol.	.3	1.1	5.7	6.4	7.5	4.5	2.6	2.2	1.4	1.1
Misc. forest products											
Value	ML. dol.	.7	1.4	1.1	1.6	2.0	1.7	1.7	1.7	1.6	1.9
Livestock grazing ³											
Cattle and horses ⁴	1,000	1,607	1,626	1,521	1,535	1,562	1,608	1,521	1,565	1,481	1,410
Sheep and goats	1,000	2,105	1,549	1,329	1,341	1,340	1,242	1,129	1,163	1,165	1,134
Roads and trails:											
Road construction ⁵	Miles	942	136	925	1,217	1,867	2,016	1,867	1,903	1,252	2,394
Trail construction ⁶	Miles	278	298	2,419	727	782	959	874	967	1,092	1,046
Receipts, total	ML. dol.	299.7	373.1	702.9	690.7	360.2	496.3	637.3	636.9	631.7	698.4
Timber use	ML. dol.	283.9	341.3	625.4	661.4	251.0	396.6	544.3	514.6	745.1	807.9
Grazing use	ML. dol.	4.4	7.7	15.6	14.9	12.4	10.2	9.8	9.0	8.6	8.1
Special land use, etc.	ML. dol.	11.4	24.1	61.9	64.4	86.8	89.6	83.5	112.3	78.0	82.3
Payments to local govt. ⁷	ML. dol.	72.6	91.0	240.1	243.0	144.3	203.5	235.3	229.0	270.9	295.4
25-percent fund ⁸	ML. dol.	71.9	88.8	233.6	230.5	132.6	182.7	224.8	212.2	262.1	295.3
Other ⁹	ML. dol.	.9	1.2	6.5	12.5	11.7	10.8	10.4	16.8	8.8	10.1
Allocments to Forest Service, total ¹⁰	ML. dol.	29.5	39.5	73.1	68.2	35.2	49.0	62.3	60.0	62.1	68.1
Roads and trails	ML. dol.	26.8	35.9	66.5	60.9	29.4	44.6	56.0	55.6	78.0	63.9
Other	ML. dol.	.8	3.6	7.6	7.3	5.8	4.5	4.3	4.5	4.1	4.2

¹ Includes land exchanges. ² Includes some free use timber not reducible to board feet. ³ For 1970, data for livestock permitted to graze; 1975 for authorized use, 1980-1987 for number actually grazed. Calendar-year data, prior to 1980. Excludes Puerto Rico. ⁴ Excludes animals under 6 months of age. 1970 includes ewine. Includes burros beginning in 1980. ⁵ Includes reconstruction. ⁶ Beginning 1980, includes work accomplished by Human Resource Programs and volunteers. ⁷ Payments made in following year. ⁸ Includes Tongass Alaska suspense account. ⁹ Includes Arizona and New Mexico School Fund, State of Minnesota, and receipts paid to counties under Benches-Jones Farm Tenant Act. ¹⁰ For use in following year.

Source: U.S. Forest Service. In *Agricultural Statistics*, annual, and unpublished data.

No. 1142. NATIONAL FOREST LANDS—STATES AND OTHER AREAS: 1987

[In thousands of acres. As of Sept. 30. See also Historical Statistics, Colonial Times to 1970, series L 10-11]

STATE	Gross area within unit boundaries	National forest system lands	Other lands within unit boundaries	STATE	Gross area within unit boundaries	National forest system lands	Other lands within unit boundaries
Total	289,229	189,839	39,390	NE	442	352	90
AL	1,274	649	625	NV	5,364	5,103	261
AK	24,228	22,750	1,477	NH	823	715	109
AZ	11,833	11,276	557	NM	10,384	9,326	1,058
AR	3,592	2,494	1,019	NY	13	13	-
CA	24,384	20,524	3,860	NC	3,185	1,220	1,946
CO	16,939	14,458	1,572	ND	1,108	1,108	(Z)
CT	(Z)	(Z)	-	OH	833	179	654
FL	1,224	1,109	125	OK	481	296	186
GA	1,855	857	998	OR	17,458	15,621	1,867
HI	(Z)	(Z)	-	PA	743	511	232
ID	21,705	20,455	1,250	SC	1,376	806	769
IL	649	283	576	SD	2,348	1,987	351
IN	644	188	456	TN	1,212	626	586
KS	117	188	9	TX	1,894	753	1,242
KY	2,192	885	1,438	UT	9,128	8,040	1,087
LA	1,023	880	422	VT	630	326	304
ME	94	53	40	VA	3,228	1,638	1,586
MI	4,872	2,802	2,070	WA	10,044	9,144	900
MN	5,467	2,806	2,661	WV	1,861	1,003	858
MS	2,310	1,148	1,162	WI	2,023	1,507	516
MO	3,082	1,473	1,609	WY	9,717	9,255	463
MT	19,087	16,796	2,301	PR	56	28	28
				VI	(Z)	(Z)	-

- Represents zero. Z Less than 500 acres. 1 See footnote 1, table 1140.

Source: U.S. Forest Service, Land Areas of the National Forest System, annual.

No. 1143. FOREST LAND—TOTAL AND TIMBERLAND AREA, VOLUME OF SAWTIMBER, AND GROWING STOCK: 1952 TO 1987

[As of Jan. 1. For composition of regions, see table 1144]

YEAR AND REGION	Total forest land (mil. acres)	TIMBERLAND, OWNERSHIP 1					SAWTIMBER, NET VOLUME 3		GROWING STOCK, NET VOLUME 4	
		All owner- ships (mil. acres)	Federal- ly owned or man- aged 2 (mil. acres)	State, county, and municipal (mil. acres)	Private		Total (bil. bd. ft.)	Softwood (bil. bd. ft.)	Total (bil. cu. ft.)	Softwood (bil. cu. ft.)
					Total (mil. acres)	Per- cent of total				
United States, 1952	684	589	125	27	386	78.8	2,820	2,089	610	430
North	209	158	13	18	127	60.0	231	62	106	28
South	197	205	15	3	187	91.4	411	198	143	59
West	258	146	97	6	42	29.1	1,878	1,829	361	343
United States, 1962	799	615	125	27	386	78.4	2,588	2,062	669	448
North	178	160	13	18	130	60.9	268	74	131	35
South	220	209	15	3	191	91.4	494	250	168	73
West	380	146	97	6	42	28.9	1,795	1,738	361	340
United States, 1979	754	664	122	29	364	78.2	2,587	2,036	684	468
North	186	156	13	18	127	60.5	305	87	148	40
South	212	203	15	3	185	90.9	589	302	191	87
West	355	143	94	7	42	29.2	1,713	1,646	355	331
United States, 1977	737	481	113	31	347	78.8	2,820	2,621	725	466
North	178	157	12	19	126	60.4	350	102	166	48
South	207	196	15	3	180	90.6	648	345	215	99
West	352	138	85	9	41	30.1	1,637	1,574	344	320
United States, 1987, prel.	728	483	102	34	347	71.8	2,823	2,820	756	468
North	170	158	13	19	126	79.7	471	133	190	49
South	200	195	16	4	176	99.9	757	360	236	104
West	358	129	73	11	45	35.0	1,585	1,513	326	297

1 Timberland is forest land that is producing or is capable of producing crops of industrial wood and not withdrawn from timber utilization by statute or administrative regulation. Areas qualifying as timberland have the capability of producing in excess of 20 cubic feet per acre per year of industrial wood in natural stands. Currently inaccessible and inoperable areas are included.
2 Includes Indian lands. 3 Live trees of commercial species containing at least one 12-foot sawlog or two noncontiguous 8-foot logs, and meeting regional specifications for freedom from defect. Softwood trees must be at least 8.0-inch diameter, and hardwood trees must be at least 11.0-inch diameter at 4½ feet above ground. 4 Live trees of commercial species meeting specified standards of quality or vigor. Cull trees are excluded. Includes only trees 5.0-inch diameter or larger at 4½ feet above ground.

Source: U.S. Forest Service, Past, Present, and Future Trends in U.S. Timber Sector: 1952-2040, forthcoming.

NO. 1144. FOREST LAND—TOTAL AND TIMBERLAND AREA, VOLUME OF SAWTIMBER, AND GROWING STOCK, BY STATE: 987

[As of January 1, Preliminary]

STATE	Total forest land (1,000 acres)	TIMBERLAND, OWNERSHIP ¹ (1,000 acres)				SAWTIMBER NET VOLUME ²		GROWING STOCK, NET VOLUME ³	
		Total	Federally owned or managed ²	County, municipal	Private	Total (mil. bd. ft.)	Softwood (mil. bd. ft.)	Total (mil. cu. ft.)	Softwood (mil. cu. ft.)
U.S.	727,921	483,072	102,296	33,722	347,054	2,823,246	2,025,967	754,916	446,977
North	199,790	159,304	12,999	19,346	126,952	471,011	132,536	190,419	49,312
Northeast	85,251	80,103	3,059	6,712	78,333	282,192	80,474	109,136	31,391
CT	1,816	1,777	16	230	1,531	7,603	1,484	2,709	415
DE	398	398	-	14	374	1,774	523	641	172
ME	17,713	17,174	194	419	16,561	48,846	32,859	22,447	14,509
MD	2,632	2,462	22	256	2,182	13,410	2,250	4,490	805
MA	3,097	3,010	40	434	2,536	11,596	5,718	4,728	1,889
NH	5,021	4,803	539	252	4,015	17,748	9,481	7,890	3,408
NJ	1,965	1,914	246	287	1,381	3,977	1,236	1,995	563
NY	18,776	15,798	123	1,092	14,583	49,412	14,017	20,089	4,935
PA	16,997	16,186	583	2,992	12,611	52,231	4,898	21,748	1,765
RI	399	399	7	75	296	916	187	-	59
VT	4,479	4,424	251	409	3,764	13,845	5,117	6,243	2,010
WV	11,942	11,799	1,070	250	10,479	32,626	2,756	15,837	1,080
North Central	90,310	74,872	6,832	12,386	53,456	207,090	46,256	77,902	16,098
IL	4,265	4,030	292	87	3,641	17,498	338	4,634	117
IN	4,439	4,299	329	206	3,781	19,217	917	5,216	201
IA	1,562	1,460	43	59	1,358	4,263	-	1,251	7
MI	16,220	17,364	2,542	3,768	11,054	52,491	-	20,972	6,559
MN	16,563	19,572	2,291	4,988	8,293	30,997	11,196	13,731	4,086
MO	12,523	11,896	1,390	267	10,338	21,310	2,073	7,936	802
OH	7,397	7,229	171	252	6,806	22,358	976	7,552	325
WI	15,319	14,726	1,774	2,748	10,204	38,938	-	16,412	4,112
Great Plains	4,229	3,528	1,079	149	2,304	11,739	6,908	2,361	1,912
KS	1,358	1,207	41	9	1,157	2,969	14	853	6
NE	722	537	36	26	473	1,943	759	489	177
ND	490	338	43	24	271	677	7	243	3
SD	1,699	1,447	954	90	403	6,231	6,027	1,796	1,726
South	199,943	196,384	19,017	3,896	176,701	767,164	390,137	239,034	103,799
Southeast	97,744	84,894	7,043	1,739	75,832	382,542	189,067	114,167	50,896
FL	16,721	15,238	1,583	583	13,072	40,532	25,677	13,835	6,735
GA	23,907	-	1,421	186	21,775	92,311	52,894	30,694	16,097
NC	16,891	16,358	1,418	412	16,529	91,861	36,950	28,952	11,241
SC	12,257	12,179	914	-	11,005	60,781	34,080	17,732	6,535
VA	15,968	15,435	1,707	266	13,462	67,037	17,486	22,954	5,898
South Central	112,199	110,790	6,974	1,937	99,879	404,822	211,090	122,967	52,993
AL	21,725	21,659	951	210	20,498	64,513	39,787	21,810	11,327
AR	16,987	16,673	2,659	352	13,662	64,508	36,701	19,242	6,886
KY	12,256	11,909	856	34	11,019	34,145	2,463	14,610	1,110
LA	13,863	13,672	833	496	12,541	70,735	45,445	16,992	10,552
MS	16,693	16,674	1,493	232	14,949	68,567	38,426	19,815	9,746
OK	4,838	4,749	510	122	4,117	6,688	3,690	2,219	997
TN	13,258	12,640	958	402	11,480	-	6,661	14,292	2,710
TX	12,659	12,414	714	87	11,613	52,006	36,696	12,897	-
West	368,199	129,384	73,312	10,810	46,262	1,596,071	1,513,296	226,464	299,899
Pacific Northwest	178,966	64,391	23,801	7,821	22,739	892,711	837,199	167,810	162,199
AK	129,045	15,789	4,958	4,642	6,183	176,144	169,317	41,260	37,052
OR	28,056	21,749	12,441	929	8,379	372,612	359,212	64,930	60,097
WA	21,859	16,849	6,402	2,250	8,197	333,954	310,659	61,620	56,017
Pacific Southwest	41,129	17,412	9,150	448	7,817	312,162	289,192	64,061	46,311
CA	39,361	16,712	9,150	107	7,455	311,966	289,174	53,771	46,307
HI	1,748	700	-	338	382	1,199	18	280	4
Rocky Mountains	139,104	57,611	40,361	2,544	14,706	399,199	396,904	104,803	99,999
AZ	19,384	3,789	3,734	12	43	30,379	29,102	6,316	5,980
CO	21,336	11,740	8,194	320	3,226	67,112	61,652	19,449	16,227
ID	21,616	14,534	10,348	1,067	3,099	140,566	139,582	32,592	32,089
MT	21,910	14,737	9,364	640	4,733	92,962	91,678	26,016	27,611
NV	6,926	221	106	3	112	2,097	2,059	419	390
NM	16,526	5,180	3,474	112	1,594	25,135	23,843	6,124	5,627
UT	16,234	3,076	2,344	167	567	16,073	14,631	4,795	3,914
WY	9,966	4,332	2,797	203	1,332	24,674	24,357	6,692	6,551

Represents zero. Timberland is forest land that is producing or is capable of producing crops of industrial wood and not withdrawn from timber utilization by statute or administrative regulations. Areas qualifying as timberland have the capability of producing in excess of 20 cubic feet per acre per year of industrial wood in natural stands. Currently inaccessible and inoperable areas are included. ² Includes Indian lands. ³ Live trees of commercial species containing at least one 12-foot sawlog or two noncontiguous 8-foot logs, and meeting regional specifications for freedom from defect. Softwood trees must be at least 8.0-inch diameter and hardwood trees must be at least 11.0 diameter at 4 1/2 feet above ground. ⁴ Live trees of commercial species meeting specified standards of quality or vigor. Cull trees are excluded. Includes only trees 5.0-inch diameter or larger at 4 1/2 feet above ground.

Source: U.S. Forest Service, *Past, Present, and Future Trends in U.S. Timber Sector 1952-2040*, forthcoming.

NO. 1145. TIMBER-BASED INDUSTRIES—EMPLOYMENT AND AVERAGE HOURLY EARNINGS: 1970 TO 1987

[Data for production workers. See also *Historical Statistics, Colonial Times to 1970*, series L 212-223]

SIC code	type	EMPLOYEES ('000)						EARNINGS (dollars)					
		1970	1975	1980	1985	1986	1987	1970	1975	1980	1985	1986	1987
24	Lumber and wood products ¹	554	517	570	584	587	618	2.85	4.26	6.55	8.22	8.34	8.40
241	Logging camps and contractors	(na)	50	71	67	71	71	(na)	5.38	8.84	10.92	10.92	10.98
242	Sawmills and planing mills	186	180	180	172	171	177	2.84	4.34	6.70	8.52	8.58	8.57
243	Millwork, plywood, and structural members	(na)	137	184	180	202	215	(na)	4.28	6.41	8.06	8.20	8.33
26	Paper and allied products	543	680	583	512	511	516	3.44	5.01	7.84	10.83	11.18	11.43
25	Furniture and fixtures	382	337	378	384	388	415	2.77	3.78	5.48	7.17	7.48	7.67

NA Not available. ¹ Standard Industrial Classification; see text, section 27. ² Includes other industries, not shown separately.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

NO. 1146. TIMBER PRODUCTS—PRODUCTION, FOREIGN TRADE, AND CONSUMPTION, BY TYPE OF PRODUCT: 1960 TO 1986

[In millions of cubic feet, rounded-off equivalent. See also *Historical Statistics, Colonial Times to 1970*, series L 72-88]

type	1960	1970	1975	1980	1981	1982	1985	1984	1985	1986, prel.
Industrial roundwood:										
Domestic production ¹	8,820	11,105	10,575	12,080	11,080	10,825	12,010	12,085	12,450	13,715
Softwoods	8,820	8,835	8,380	8,280	8,485	8,410	8,275	8,780	8,880	10,470
Hardwoods	1,885	2,470	2,195	2,810	2,605	2,410	2,735	2,885	2,770	3,240
Imports	1,880	2,430	2,215	3,250	3,185	3,015	3,710	4,165	4,340	4,380
Exports	455	1,540	1,885	2,350	2,080	1,885	2,110	2,080	2,070	2,305
Consumption ²	10,145	11,985	11,105	12,885	12,160	11,840	13,610	14,780	14,720	15,770
Softwoods	8,085	9,425	8,875	10,335	9,855	9,540	10,880	11,685	11,855	12,800
Hardwoods	2,060	2,565	2,230	2,650	2,510	2,300	2,650	2,825	2,770	3,170
Lumber:										
Domestic production	5,080	5,215	4,880	5,300	4,780	4,635	5,370	5,770	5,885	6,485
Imports	810	955	930	1,540	1,480	1,480	1,915	2,130	2,345	2,285
Exports	135	185	255	305	380	320	380	340	305	385
Consumption	5,560	5,970	5,965	6,450	5,985	5,790	6,825	7,980	7,700	8,305
Plywood and veneer:										
Domestic production	705	1,020	1,185	1,175	1,180	1,135	1,385	1,480	1,420	1,470
Imports	80	170	170	120	140	115	180	145	185	185
Exports	72	15	70	45	70	50	65	45	40	65
Consumption	705	1,170	1,285	1,250	1,250	1,200	1,480	1,500	1,560	1,585
Pulp products:										
Domestic production	2,575	3,835	3,485	4,380	4,125	3,880	4,185	4,355	4,185	4,545
Imports	685	1,280	1,105	1,585	1,515	1,415	1,805	1,880	1,810	1,880
Exports	275	720	715	1,070	885	800	885	830	820	1,085
Consumption	3,280	4,400	3,675	4,885	4,645	4,485	4,805	5,250	5,085	5,340
Logs:										
Imports	20	25	15	25	20	20	30	30	20	15
Exports	45	485	455	500	425	380	585	600	655	620
Pulpwood chips, exports	-	145	185	275	220	175	155	145	145	180
Other industrial prod. ³ consumption	510	425	385	380	380	345	380	410	400	440
Purchased consumption	1,300	640	678	3,188	3,325	3,480	3,435	3,880	4,080	4,188

- Represents zero. Z Less than 500,000 cubic feet. ¹ Includes log exports. ² Includes log imports. ³ Excludes Alaska and Hawaii. ⁴ Includes cooperage logs, poles and piling, fence posts, hewn ties, round mine timbers, box bolts, etc.

NO. 1147. TIMBER PRODUCTS—PER CAPITA CONSUMPTION: 1960 TO 1986

[Based on total population estimated as of July 1. See also *Historical Statistics, Colonial Times to 1970*, series L 87-97]

PRODUCT	Unit	1960	1970	1975	1980	1981	1982	1983	1984	1985	1986, prel.
All products	Cu. ft.	68.3	81.1	84.1	71.0	68.9	68.9	72.8	78.9	78.8	82.3
Industrial roundwood	Cu. ft.	58.1	58.5	51.4	57.0	52.8	50.9	58.0	62.4	61.5	66.3
Lumber	Cu. ft.	30.8	29.1	25.8	28.3	25.6	24.9	29.6	31.9	32.2	34.7
Plywood and veneer	Cu. ft.	4.2	5.7	5.9	5.5	5.4	5.2	5.2	6.3	6.5	6.6
Pulp products	Cu. ft.	18.2	21.4	17.9	21.4	20.2	18.3	20.5	22.3	21.1	22.1
Other products	Cu. ft.	2.5	2.1	1.6	1.7	1.6	1.5	1.7	1.7	1.7	1.8
Fuelwood	Cu. ft.	7.2	2.6	2.6	14.0	14.0	15.0	14.8	16.5	17.0	17.0
Lumber	Bd. ft.	199	193	171	188	189	181	190	205	207	223
Plywood and veneer	Bd. ft.	25	34	32	30	29	28	34	34	38	38
Pulp products	Cords (128 cu. ft.)	2	3	2	3	3	2	3	3	3	3

Source of tables 1146 and 1147: U.S. Forest Service, *U.S. Timber Production, Trade, Consumption, and Price Statistics, 1980-85*, annual.

No. 1148. SELECTED TIMBER PRODUCTS—PRODUCER PRICE INDEXES: 1980 TO 1987

[See also *Historical Statistics, Colonial Times to 1970*, series L 206-210]

PRODUCT	Unit	1985	1986	1986	1987
Lumber and wood products, except furniture.....	Dec. 1984=100..	(NA)	100.3	101.5	106.3
Logging camps and logging contractors.....	Dec. 1981=100..	(NA)	94.8	93.1	100.3
Sawmills and planing mills.....	Dec. 1984=100..	(NA)	88.7	100.7	108.7
Millwork, veneer, and plywood ¹	Dec. 1984=100..	(NA)	99.9	101.7	106.4
Softwood plywood.....	Dec. 1980=100..	91.4	90.0	91.5	93.8
Wood containers.....	June 1985=100..	(NA)	-	100.4	101.3
Wood buildings and mobile homes.....	Dec. 1984=100..	(NA)	100.8	102.1	103.6
Particleboard.....	Dec. 1982=100..	91.8	110.0	111.8	120.3
Paper and allied products.....	Dec. 1984=100..	(NA)	98.8	99.5	104.8
Pulp mills.....	Dec. 1984=100..	105.5	100.9	103.1	117.0
Paper mill products except building paper.....	Dec. 1982=100..	93.5	109.5	110.4	115.7
Paperboard mills.....	Dec. 1982=100..	97.3	112.0	113.1	126.5
Converted paper and paperboard products ²	Dec. 1984=100..	(NA)	100.3	101.8	104.9
Paperboard containers and boxes.....	Dec. 1984=100..	(NA)	93.4	97.3	104.2
Building paper and building board mills.....	Dec. 1985=100..	(NA)	-	101.6	104.2

- Represents zero. NA Not available. ¹ Includes structural wood members. ² Excludes containers and boxes.

Source: U.S. Bureau of Labor Statistics, *Producer Price Indexes*, monthly.

No. 1149. SELECTED SPECIES—STUMPAGE PRICES IN CURRENT AND CONSTANT (1982) DOLLARS: 1970 TO 1987

[In dollars per 1,000 board feet. Stumpage prices are based on sales of sawtimber from National Forests. See also *Historical Statistics, Colonial Times to 1970*, series L 199-205]

SPECIES	1970	1975	1975	1979	1986	1981	1982	1982	1984	1986	1986	1987
CURRENT DOLLARS												
Softwoods:												
Douglas-fir ¹	41.90	189.50	250.30	394.40	432.20	350.20	118.20	161.90	132.90	126.20	160.70	190.20
Southern pine ²	44.10	57.00	134.50	155.20	155.40	172.00	127.20	140.50	139.40	90.70	103.60	135.70
Sugar pine ³	38.50	99.20	159.90	365.00	686.60	225.20	71.90	137.70	64.30	109.70	169.60	296.90
Ponderosa pine ^{3 4}	32.10	71.20	164.70	239.00	206.10	195.20	69.60	104.00	122.70	101.40	156.60	213.60
Western hemlock ⁵	20.50	69.60	113.60	200.90	212.70	163.40	44.50	62.20	61.50	50.50	74.70	106.40
Hardwoods:												
All eastern hardwoods ⁶	26.90	33.90	41.10	46.80	52.40	50.90	56.40	60.10	90.10	65.40	69.90	86.10
Oak, white, red, and black ⁶	26.60	29.70	59.20	69.60	65.60	63.20	70.90	87.30	145.00	94.50	109.10	146.80
Maple, sugar ⁷	(NA)	42.10	60.50	69.90	70.10	87.90	71.10	56.10	60.50	70.00	66.20	90.50
CONSTANT (1982) DOLLARS ⁸												
Softwoods:												
Douglas-fir ¹	113.60	280.20	366.10	501.10	461.30	367.30	118.20	159.50	126.20	122.30	160.40	185.00
Southern pine ²	119.50	97.60	192.40	197.20	173.10	175.50	127.20	136.80	134.40	87.60	103.40	132.00
Sugar pine ³	104.30	199.90	226.30	463.80	742.30	229.60	71.90	136.80	81.30	106.30	166.20	266.60
Ponderosa pine ^{3 4}	87.00	121.60	235.60	303.70	229.50	199.20	68.90	102.70	118.30	98.30	156.30	207.80
Western hemlock ⁵	55.60	117.90	162.50	255.10	236.90	186.70	44.50	61.40	59.60	46.80	74.60	102.50
Hardwoods:												
All eastern hardwoods ⁶	72.90	56.00	56.00	59.50	55.40	51.90	56.40	59.30	88.90	63.40	66.20	65.70
Oak, white, red, and black ⁶	72.10	50.90	64.70	57.40	73.10	64.50	70.60	86.80	139.80	91.60	107.90	142.80
Maple, sugar ⁷	(NA)	72.10	65.50	87.60	78.10	69.20	71.10	54.40	77.60	67.60	65.10	78.30

NA Not available. ¹ Western Washington and western Oregon. ² Southern region. ³ Pacific Southwest region (formerly California region). ⁴ Includes Jeffrey pine. ⁵ Pacific Northwest region. ⁶ Eastern and Southern regions. ⁷ Eastern region. ⁸ Deflated by the producer price index, all commodities.

Source: U.S. Forest Service, *U.S. Timber Production, Trade, Consumption, and Price Statistics, 1960-86*, annual.

NO. 1150. LUMBER PRODUCTION AND CONSUMPTION, BY KIND OF WOOD: 1960 TO 1967

[In millions of board feet, except as indicated. *1967 excludes Alaska and Hawaii. Based on sample survey and subject to sampling variability. See also Historical Statistics, Colonial Times to 1970 series L 113-121 and L 122-131.]

TIME	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total production	38,885	34,680	32,670	31,354	31,672	32,019	34,572	37,699	35,445	41,999	44,893				
Softwoods ¹	28,672	27,530	26,747	25,239	25,427	24,949	29,921	32,801	30,479	34,915	37,422				
Cedar	40	633	821	722	57	470	74	752	58	597	520				
Douglas fir	5,832	7	329	4,853	5,488	4,842	6,434	7,809	7,751	8,830	10,426				
Hardwood	2,332	2,980	2,082	1,855	1,501	1,394	1,316	1,944	1,944	1,944	1,944				
Ponderosa pine	3,109	3,429	3,544	3,289	2,894	2,330	2,899	3,679	3,773	3,367	4,123				
Redwood	1,300	1,378	1,354	1,170	1,30	1,80	852	988	1,155	94	1,151				
Southern yellow pine	5,682	7,383	6,267	6,271	6,415	6,754	10,191	10,648	10,230	11,443	12,269				
White fir	2,224	2,583	2,712	1,643	1,253	874	1,316	2,017	2,272	2,659	2,881				
White pine	675	889	347	38	532	272	1,041	1,041	1,041	1,041	1,041				
Hardwoods ²	6,254	7,150	5,923	7,115	6,252	5,061	5,651	6,898	5,966	7,084	7,471				
Ash	25	159	124	63	130	122	234	219	218	217	269				
Birch	195	169	136	183	85	89	112	111	89	129	116				
Cottonwood and aspen	208	229	253	303	155	105	197	133	214	247	236				
Elm	185	155	117	149	7	57	1,041	1,041	1,041	1,041	1,041				
Maple	632	742	531	1,225	426	367	524	538	532	567	635				
Oak	2,789	3,250	2,724	3,356	1,922	1,855	2,163	2,786	2,785	3,412	3,691				
Sweet gum	331	376	245	371	231	189	279	300	293	375	329				
Tupelo and black gum	282	335	251	49	78	64									
Yellow poplar	582	608	555	881	409	389	475	599	544	724	831				
Domestic consumption ³	34,235	30,873	30,199	45,194	37,919	36,273	45,139	49,893	50,877	54,899	54,899				
Percent net exports ⁴	8.7	12.7	12.2	18.7	19.0	20.2	22.1	24.0	26.0	26.0	26.0				
Softwoods	28,674	31,585	30,309	33,832	32,084	31,173	38,762	42,857	44,243	47,493	47,493				
Per capita (Std. R.) ⁵	184	155	141	149	140	134	170	181	185	197	197				
Mill stocks, year-end	5,285	4,940	4,083	4,228	4,167	4,270	4,608	4,594	4,795	4,905	4,905				
Exports	689	1,152	1,373	1,956	1,979	1,630	1,745	1,989	1,915	1,977	1,977				
Imports	3,631	5,789	5,711	8,540	9,205	9,119	11,947	13,270	14,939	14,239	14,239				
Hardwoods	6,252	6,486	5,791	6,272	5,835	5,099	5,367	5,838	5,634	7,394	7,394				
Per capita (Std. R.) ⁵	35	32	27	28	25	22	29	28	24	30	30				
Mill stocks, year-end	2,087	1,144	875	1,572	1,727	1,539	1,334	1,561	1,719	1,634	1,634				
Exports	173	139	185	379	406	359	479	467	597	499	499				
Imports	291	347	224	293	291	211	291	329	364	347	347				

NA Not available. 5 Figure does not meet publication standards. * Includes types not shown separately. 4 Beginning 1986, data not directly comparable to previous years due to inclusion of 200 species in the survey for the first time; see source 1. Excludes hard maple. 6 Red and sap. 7 Source: Through 1970, Copeland Economics Group, Inc., Stamford, CT; thereafter National Forest Products Association, Washington, DC; The Economics Monthly Bulletin, quarterly edition (copyright). 8 Imports minus exports. 9 Based on estimated resident population as of July 1.

Source: Except as noted, U.S. Bureau of the Census, Current Industrial Reports, series MA-24T, annual.

NO. 1151. LUMBER PRODUCTION, BY GEOGRAPHIC AREA: 1970 TO 1987

[In million board feet. Data based in part on a sample of sawmills and are subject to sampling variability; see source 1. For composition of divisions, see fig. 1, inside front cover. See Historical Statistics, Colonial Times to 1970 series L 113-121 for data by regions.]

SECTION AND DIVISION	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
United States	34.7	32.6	30.4	40.5	40.8	38.4	31.7	39.0	34.6	37.1	39.4	43.9	44.9
North ¹	4.4	4.1	(NA)	(NA)	(NA)	(NA)	(NA)	3.8	4.3	4.5	4.7	4.9	(NA)
Hardwood	3.4	3.0	(NA)	(NA)	(NA)	(NA)	(NA)	2.7	3.0	3.3	3.0	3.6	(NA)
Softwood	1.0	1.1	(NA)	(NA)	(NA)	(NA)	(NA)	1.1	1.3	1.2	1.7	1.4	(NA)
South ²	10.8	9.7	(NA)	(NA)	(NA)	(NA)	(NA)	10.8	12.7	12.4	13.0	15.1	(NA)
Hardwood	3.6	2.7	(NA)	(NA)	(NA)	(NA)	(NA)	2.0	2.4	2.6	2.7	3.4	(NA)
Softwood	7.2	7.0	(NA)	(NA)	(NA)	(NA)	(NA)	8.8	10.3	9.8	10.2	11.7	(NA)
West ³	19.4	18.6	21.8	21.7	21.1	17.2	(NA)	15.4	17.5	16.1	19.3	22.0	(NA)
Hardwood	1	1	2	2	2	3	(NA)	2	2	2	2	2	(NA)
Softwood	19.3	18.5	21.6	21.4	20.9	16.9	(NA)	15.1	17.4	16.0	19.1	21.7	(NA)
New England	7	8	9	10	10	11	7	10	12	11	11	12	13
Middle Atlantic	8	7	9	9	9	9	8	8	8	8	7	9	9
East North Central	1.2	1.1	1.3	1.4	1.4	1.3	1.0	1.1	1.2	1.3	1.3	1.5	1.6
West North Central	8	5	8	7	6	8	2	3	4	4	6	7	8
South Atlantic	5.2	4.7	5.3	5.4	5.8	5.2	4.4	5.4	6.3	6.7	6.4	7.4	7.7
East South Central	3.4	3.0	3.6	3.7	3.8	3.2	2.8	3.2	3.8	4.3	4.1	5.0	5.3
West South Central	3.2	3.0	3.5	3.6	3.2	2.9	2.3	2.8	3.1	3.2	3.1	3.4	3.7
Mountain	4.2	3.9	4.7	4.7	4.5	3.8	3.3	3.3	3.8	4.4	4.3	4.8	5.1
Pacific	15.3	14.8	17.1	17.0	16.8	13.4	11.2	12.2	13.6	14.9	14.8	17.0	22.7

NA Not available. 1 Includes amounts not specified by division. 2 Source: U.S. Forest Service, U.S. Timber Production, Trade, Consumption, and Price Statistics, 1950-82, annual. Sections are as defined by the Forest Service; see table 1144.

Source: Except as noted, U.S. Bureau of the Census, Current Industrial Reports, series MA-24T, annual.

No. 1152. WOOD PRODUCTS—PRODUCTION: 1970 TO 1987

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987, prel.
Hardwood flooring	Mill. bd. ft.	333	155	292	315	275	365	400	416	487	560
Softwood plywood	Sq. ft., $\frac{1}{8}$ " basis	14.1	15.1	15.5	15.5	15.1	18.3	18.9	19.3	19.9	21.0
Insulation boards ²	1,000 short tons	1,219	1,249	1,051	845	593	713	765	735	732	688
Hardboard ²	1,000 short tons	1,483	1,784	1,970	1,858	1,741	2,040	1,831	2,065	1,933	1,897
Particleboard	Mill. sq. ft., $\frac{1}{8}$ " basis	1,731	2,503	2,950	2,869	2,393	3,009	3,166	3,331	3,603	3,706

¹ Estimated. ² Beginning 1982, data are for shipments.

Source: U.S. Dept. of Commerce, International Trade Administration, *Forest Products Review*, monthly (discontinued April 1983); and unpublished data. Based on reports of U.S. Bureau of the Census and National Particleboard Association, Silver Spring, MD.

No. 1153. PAPER AND PAPERBOARD—PRODUCTION AND CONSUMPTION: 1970 TO 1987

(In millions of short tons. See also *Historical Statistics, Colonial Times to 1970*, series L 172, L 174, and L 178-191)

ITEM	PRODUCTION						CONSUMPTION ¹					
	1970	1975	1980	1985	1986	1987	1970	1975	1980	1985	1986	1987
Total paper and paperboard	51.7	51.0	53.5	68.8	72.7	76.3	58.0	54.1	67.1	76.3	79.9	83.8
Paper: Newsprint	3.5	3.7	4.7	5.4	5.6	5.9	6.8	9.0	11.4	12.8	13.0	13.7
Coated printing, converting	3.2	3.2	4.6	5.9	6.3	6.9	3.2	3.0	4.6	6.3	6.7	7.4
Uncoated free sheet	5.1	5.3	8.0	9.7	10.4	11.0	5.1	5.3	8.0	10.0	10.8	11.3
Other printing, writing, etc.	2.6	2.5	2.9	2.9	3.0	2.9	2.7	2.6	3.4	4.2	4.5	4.7
Packaging and industrial converting	6.3	4.6	5.5	5.2	5.1	5.3	5.1	4.3	5.2	5.1	5.1	5.1
Tissue and other machine creped	3.7	4.0	4.4	4.8	5.1	5.1	3.7	3.9	4.5	5.0	5.1	5.3
Paperboard: Unbleached kraft	11.5	11.5	15.3	16.4	17.7	18.9	9.9	10.5	13.0	14.6	15.5	16.7
Bleached kraft	3.3	3.3	3.8	3.9	4.2	4.4	3.3	3.1	3.3	3.4	3.8	4.0
Semichemical	3.5	3.7	4.7	5.1	5.4	5.8	3.4	3.6	4.4	5.0	5.3	5.5
Recycled finish	7.0	6.2	7.1	7.6	8.1	8.6	7.0	6.2	7.0	7.7	8.0	8.4
Construction paper and board ²	3.0	3.0	2.8	² 1.8	² 1.8	² 1.8	3.0	3.0	3.0	² 2.1	² 2.0	² 2.0

¹ Total consumption of paper and paperboard includes net imports of paper and paperboard converted products; not available by grade. ² Source: 1970-1980 U.S. Bureau of the Census, *Current Industrial Reports*, includes wet machine board, approximately 100,000-160,000 tons per year. ³ Estimated.

Source: Except as noted, American Paper Institute, Inc., New York, NY, *Statistics of Paper, Paperboard, and Woodpulp*, annual.

No. 1154. NEWSPRINT—PRODUCTION, STOCKS, CONSUMPTION, IMPORTS, AND PRICE INDEX: 1980 TO 1987

(In thousands of metric tons, except price index and imports (imports shown in short tons). See also *Historical Statistics, Colonial Times to 1970*, series L 192-198)

COUNTRY AND ITEM	1980	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Canada: Production	8,114	7,806	8,986	8,825	8,950	8,109	8,486	9,013	8,996	9,289	9,673
Shipments from mills	8,125	7,795	7,010	8,822	8,915	8,054	8,439	9,018	8,996	9,302	9,761
Stocks at mills, end of year	127	214	86	166	194	256	303	296	290	277	193
United States:											
Estimated consumption ¹	6,634	6,605	8,395	10,088	10,164	10,107	10,589	11,431	11,587	11,937	12,322
Production	1,848	2,142	3,348	4,239	4,752	4,574	4,888	5,025	4,924	5,107	5,300
Shipments from mills	1,848	2,142	3,348	4,234	4,735	4,526	4,874	5,085	4,927	5,115	5,310
Stocks, end of year: At mills	24	30	19	21	38	86	99	80	57	49	36
At and in transit to publishers	570	660	666	732	961	854	790	874	910	848	900
Imports ²	5,412	8,635	5,847	7,280	6,978	6,531	6,919	7,899	6,472	6,589	6,876
Producer price index (1982 = 100)	30.4	34.1	58.3	² 88.5	² 97.5	100.0	95.9	102.3	105.3	103.3	112.3

¹ By all users. Based on American Paper Institute data. ² Source: Reports of U.S. Bureau of the Census. Includes Puerto Rico and beginning 1981, Virgin Islands. ³ Average for 11 months.

Source: Except as noted, U.S. Bureau of Economic Analysis, *Survey of Current Business*, monthly. Data from American Paper Institute, Inc., New York, NY, and Canadian Pulp & Paper Association.

No. 1155. WASTEPAPER UTILIZATION AND RECOVERY RATES: 1980 TO 1987

(In millions of short tons, except percent. Recovery rate is ratio of total wastepaper recovered to new supply. Wastepaper utilization is the ratio of wastepaper consumption at paper and board mills to paper and board production. See *Historical Statistics, Colonial Times to 1970*, series L 175, for U.S. wastepaper consumption)

ITEM	1980	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Paper and board, production ¹	33.9	51.7	51.0	63.5	64.9	61.0	66.8	70.3	66.6	72.7	75.2
Wastepaper consumption	² 9.0	11.6	11.7	14.9	15.0	14.4	15.6	16.7	16.4	17.9	19.0
Wastepaper utilization rate (percent)	26.5	22.6	23.0	23.4	23.3	23.7	24.4	23.8	23.8	24.7	24.9
Other wastepaper uses ³	20	42	54	47	48	49	48	46	48	49	50
Wastepaper exports	15	41	66	2.66	2.21	2.13	2.57	3.24	3.29	3.75	4.42
Total wastepaper recovered	9.3	12.6	13.1	16.0	17.7	17.0	18.6	20.3	20.0	22.1	23.8
Paper and board, new supply ⁴	36.5	56.0	64.1	67.1	68.0	64.7	71.2	77.0	76.3	79.9	83.8
Recovery rate (percent)	24.2	22.4	24.2	26.8	26.0	26.2	26.1	26.4	26.3	27.7	28.4

¹ Excludes hard pressed board; includes construction paper and board, and wet machine board. ² Source: U.S. Bureau of the Census, Report FT 448. ³ Estimated. ⁴ Excludes production of hard pressed board.

Source: Except as noted, American Paper Institute, Inc., New York, NY, *Statistics of Paper, Paperboard, and Woodpulp*, annual; and unpublished data.

NO. 1156. SELECTED WOOD PRODUCTS—PRODUCTION AND CONSUMPTION: 1970 TO 1987

(See also Historical Statistics of the United States, Colonial Times to 1870, series L 151-170)

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
PULPWOOD											
Receipts, total	ML cords ¹	68.9	65.4	61.6	77.3	63.4	63.0	65.4	60.6	64.5	
Softwood	ML cords ¹	52.4	48.3	46.2	56.4	50.6	62.9	60.2	63.3	65.8	
Hardwood	ML cords ¹	16.5	16.2	15.4	20.9	12.8	25.2	25.1	27.3	28.7	
Consumption, total	ML cords ¹	67.6	65.4	78.7	77.6	63.5	67.0	64.8	61.1	62.9	
Softwood	ML cords ¹	51.9	48.9	58.8	56.4	50.6	62.0	59.7	63.1	64.7	
Hardwood	ML cords ¹	15.7	16.5	20.0	21.1	22.9	24.9	25.1	28.0	28.2	
Inventories ²	ML cords ¹	6.6	6.6	6.7	5.4	5.2	5.2	5.1	4.7	5.5	
WOODPULP											
Production	ML short tons	43.8	43.1	53.0	51.0	54.1	57.8	57.7	60.6	62.4	
Consumption ³ total	ML short tons	43.2	42.4	52.4	50.2	54.0	57.5	56.6	60.0	61.5	
Own pulp	ML short tons	38.8	38.5	46.8	44.6	47.7	50.3	49.7	52.6	53.6	
Purchased pulp	ML short tons	4.3	3.9	5.6	5.6	6.3	7.2	7.0	7.5	7.9	
PLYWOOD											
Softwood:											
Production	ML sq. ft. ⁴	14,148	15,708	15,483	15,134	16,261	16,886	18,341	20,363	21,062	
Consumption, total	ML sq. ft. ⁴	(NA)	(NA)	15,145	14,741	17,737	18,526	19,122	19,880	20,488	
Value	ML dol	848	(NA)	2,582	2,177	2,877	2,865	3,080	3,237	3,296	
Hardwood:											
Production	ML sq. ft. ⁴	1,304	1,380	1,311	1,183	1,348	1,186	1,018	1,088	1,173	
Consumption, total	ML sq. ft. ⁴	5,772	4,970	3,418	3,173	4,324	3,631	4,311	4,884	5,080	
Value	ML dol	516	586	977	920	1,151	1,166	1,162	1,320	1,576	

NA Not available. ¹ Standard cords, 125 cubic feet roughwood basis. ² As of Dec. 31. ³ In the manufacture of paper and board. ⁴ $\frac{3}{4}$ " basis. ⁵ Surface measure.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA26-A, MA24-H and MA24-F

NO. 1157. SELECTED TIMBER PRODUCTS—IMPORTS AND EXPORTS: 1970 TO 1987

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
IMPORTS¹											
Lumber, total ²	ML bd. ft.	5,114	5,978	9,866	9,523	9,360	12,254	13,632	14,966	14,619	15,734
From Canada	Percent	95.0	95.0	97.5	97.5	98.2	98.3	97.9	97.6	97.5	98.9
Softwoods	ML bd. ft.	5,778	5,724	9,573	9,232	9,150	11,983	13,304	14,632	14,272	14,723
Value	ML dol	434	717	1,826	1,763	1,624	2,589	2,881	2,888	2,969	3,080
Hardwoods	ML bd. ft.	337	252	293	291	211	280	326	364	347	511
Value	ML dol	62	70	152	154	104	134	173	180	168	273
Logs, total	ML bd. ft. ³	144	85	128	101	117	165	147	99	78	63
From Canada	Percent	79.6	63.8	97.4	98.3	98.8	97.9	97.4	61.8	77.9	91.6
Softwoods	ML bd. ft. ³	107	68	114	88	99	142	117	71	52	69
Value	ML dol	9	12	17	17	23	24	15	17	7	19
Hardwoods	ML bd. ft. ³	36	17	13	14	18	23	30	28	26	14
Value	ML dol	5	3	3	3	3	3	5	4	4	3
Paper and board ⁴	1,000 tons	7,115	6,263	6,780	8,339	8,024	8,866	11,075	11,522	11,939	12,837
Value	ML dol	1,039	1,806	3,418	3,672	3,662	4,019	5,324	5,808	6,036	6,826
Woodpulp	1,000 tons	3,518	3,078	4,061	4,067	3,656	4,093	4,460	4,466	4,594	4,963
Value	ML dol	463	1,007	1,684	1,764	1,493	1,472	1,845	1,521	1,606	2,089
Plywood	ML sq. ft.	4,171	3,913	2,477	3,047	2,270	3,393	3,056	3,609	3,941	4,084
Value	ML dol	208	260	409	466	331	451	436	463	518	638
EXPORTS											
Lumber, total ²	ML bd. ft.	1,243	1,618	2,494	2,406	2,021	2,270	2,150	1,845	2,427	3,257
To Canada	Percent	21.7	34.0	25.9	30.3	20.7	29.3	25.8	23.7	22.0	20.7
Japan	Percent	30.6	31.9	26.0	21.8	31.1	27.6	28.0	32.1	36.4	37.6
Europe	Percent	24.1	15.1	23.6	16.6	20.3	20.2	18.0	15.1	16.8	18.7
Softwoods	ML bd. ft.	1,115	1,405	2,007	1,929	1,635	1,756	1,624	1,518	1,678	2,484
Value	ML dol	163	340	788	864	682	699	541	497	544	856
Hardwoods	ML bd. ft.	128	213	487	479	386	514	527	427	549	763
Value	ML dol	31	66	272	269	229	305	300	263	350	483
Logs, total	ML bd. ft. ³	2,741	2,667	3,261	2,489	3,206	3,307	3,495	3,843	3,627	4,108
To Canada	Percent	10.6	10.4	9.7	9.9	8.4	10.5	12.1	11.6	12.2	10.3
Japan	Percent	66.3	64.6	76.0	71.3	61.7	55.4	50.4	49.4	57.3	58.3
China: Mainland	Percent	(NA)	(NA)	2.7	8.9	17.1	21.9	24.8	27.8	17.0	14.1
Softwoods	ML bd. ft. ³	2,672	2,601	3,109	2,377	3,115	3,196	3,368	3,732	3,466	3,958
Value	ML dol	320	661	1,452	1,003	1,174	1,089	1,078	1,168	1,129	1,528
Hardwoods	ML bd. ft. ³	69	66	152	112	93	112	126	111	139	149
Value	ML dol	36	43	129	92	84	96	101	81	97	116
Paper and board ⁴	1,000 tons	2,817	3,116	5,214	4,641	4,246	4,589	4,387	4,071	4,816	5,304
Value	ML dol	602	1,315	2,773	2,691	2,589	2,461	2,552	2,286	2,549	3,104
Woodpulp	1,000 tons	3,095	2,782	3,806	3,679	3,395	3,644	3,594	3,795	4,459	4,866
Value	ML dol	464	675	1,652	1,691	1,415	1,362	1,502	1,354	1,683	2,250
Plywood	ML sq. ft.	183	671	420	741	493	815	407	365	656	855
Value	ML dol	16	141	108	176	117	143	94	66	145	194

NA Not available. ¹ Customs value of imports; see text, section 29. ² Includes railroad ties. ³ Log scale. ⁴ Includes paper and board products. Excludes hardboard.

Source: U.S. Forest Service, *U.S. Timber Production, Trade, Consumption, and Price Statistics: 1960 to 1987*

NO. 1158. FISHERY PRODUCTS—DOMESTIC CATCH AND IMPORTS, SUMMARY: 1970 TO 1987

[Live weight, in millions of pounds, except percent. 1978-1987 preliminary. For data on commercial catch for selected countries, see table 1436, section 31. See *Historical Statistics, Colonial Times to 1970*, series L 224-226, for domestic catch.]

ITEM	1970	1975	1976	1978	1980	1981	1982	1982	1984	1986	1986	1987
Total.....	11,474	10,164	11,808	11,831	11,967	11,363	12,011	12,362	12,582	15,160	14,382	15,744
For human food.....	8,213	6,394	6,135	8,251	8,008	6,267	7,968	8,413	8,496	9,337	9,820	10,581
Finfish.....	(NA)	4,846	6,263	6,324	6,139	6,316	6,080	8,368	6,303	6,991	7,067	7,919
Shellfish ¹	(NA)	1,548	1,872	1,927	1,867	1,951	1,878	2,065	2,196	2,346	2,533	2,642
For industrial use.....	5,261	3,770	3,374	3,580	3,959	3,096	4,043	3,939	4,054	5,813	4,746	5,163
Domestic catch.....	4,917	4,677	9,039	6,367	6,492	5,977	6,367	9,439	9,439	9,358	9,691	9,896
Percent of total.....	42.8	47.9	52.4	53.0	57.1	52.7	53.0	52.1	51.3	41.9	42.0	43.8
For human food.....	2,537	2,465	3,177	3,318	2,654	3,547	3,266	3,236	3,320	3,294	3,393	3,946
Finfish.....	(NA)	1,846	2,016	2,204	2,516	2,414	2,324	2,351	2,346	2,273	2,240	2,789
Shellfish ¹	(NA)	917	1,160	1,114	1,138	1,133	981	887	972	1,021	1,153	1,177
For industrial use.....	2,380	2,412	2,651	2,949	2,838	2,430	3,082	3,201	3,116	2,964	2,636	2,950
Imports ²	6,557	5,287	5,461	5,564	4,875	5,376	5,644	5,913	5,114	5,832	6,367	6,946
Percent of total.....	57.2	52.1	47.6	47.0	42.9	47.3	47.0	47.9	48.7	58.7	58.0	56.2
For human food.....	3,676	3,929	4,958	4,933	4,352	4,720	4,683	5,175	5,176	6,049	6,227	6,615
Finfish.....	(NA)	3,300	4,245	4,120	3,823	3,902	3,769	4,007	3,955	4,716	4,847	5,180
Shellfish ¹	(NA)	629	713	813	729	816	917	1,169	1,223	1,325	1,380	1,465
For industrial use ³	2,881	1,358	523	631	523	656	961	738	938	2,649	2,110	2,233

NA Not available. ¹For univalve and bivalve mollusks (conchs, clams, oysters, scallops, etc.), the weight of meats, excluding the shell, is reported. ²Excludes imports of edible fishery products consumed in Puerto Rico; includes landings of tuna caught by foreign vessels in American Samoa. ³Fish meal and sea herring.

Source: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fishery Statistics of the United States*, annual; and *Fisheries of the United States*, annual.

NO. 1159. FISHERIES—EMPLOYMENT, FISHING CRAFT, AND ESTABLISHMENTS: 1970 TO 1986

[In thousands. As of Dec. 31. 1978-1986 preliminary. Data for employment and establishments exclude Alaska. See also *Historical Statistics, Colonial Times to 1970*, series L 254-261.]

ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Persons employed in U.S.	227	360	267	280	267	297	296	303	314	314	340	351	347
Fishermen.....	140	168	174	182	172	184	193	196	215	223	230	239	247
Shore workers ¹	87	92	93	98	95	113	103	107	99	110	110	112	100
Craft used.....	68	103	103	107	104	100	113	115	129	127	127	130	128
Vessels, 5 net tons and over.....	14	18	17	17	18	18	19	20	20	21	24	24	26
Motorboats.....	72	85	84	88	84	84	93	93	102	105	102	104	98
Other boats.....	2	2	2	2	2	1	1	2	1	1	1	2	2
Fishery shore establishments.....	3.7	3.8	3.8	3.8	3.3	3.4	3.6	3.6	3.6	3.6	4.0	4.0	4.0

¹ Seasonal average for processors and wholesaling plants.

Source: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fishery Statistics of the United States*, annual; and *Fisheries of the United States*, annual.

NO. 1160. FISHERIES—QUANTITY AND VALUE OF DOMESTIC CATCH: 1960 TO 1987

[1978-1987 preliminary. See also *Historical Statistics, Colonial Times to 1970*, series L 224-226, L 229, and L 310.]

YEAR	QUANTITY (mil. lb. ¹)			Ex- ves- sel value (mil. dol.)	Aver- age price per lb. (cents)	YEAR	QUANTITY (mil. lb. ¹)			Ex- ves- sel value (mil. dol.)	Aver- age price per lb. (cents)
	Total	For human food	For indus- trial prod- ucts ²				Total	For human food	For indus- trial prod- ucts ²		
1960.....	4,942	2,496	2,444	354	7.2	1979.....	6,267	3,319	2,949	2,234	35.6
1965.....	4,777	2,587	2,190	446	9.3	1980.....	6,482	3,654	2,828	2,237	34.5
1970.....	4,917	2,537	2,380	613	12.5	1981.....	5,977	3,547	2,430	2,396	40.0
1972.....	4,808	2,435	2,371	748	15.6	1982.....	6,367	3,266	3,082	2,390	37.5
1973.....	4,858	2,396	2,460	937	19.3	1983.....	6,439	3,236	3,201	2,355	36.6
1974.....	4,967	2,496	2,471	932	18.7	1984.....	6,438	3,320	3,118	2,350	36.5
1975.....	4,877	2,465	2,412	977	20.0	1985.....	6,258	3,294	2,964	2,326	37.2
1976.....	5,368	2,775	2,613	1,349	25.0	1986.....	6,031	3,393	2,638	2,763	45.8
1977.....	5,271	2,952	2,319	1,554	29.5	1987.....	6,896	3,946	2,950	3,115	45.2
1978.....	6,028	3,177	2,851	1,854	30.7						

¹ Live weight. ² Meal, oil, fish solubles, homogenized condensed fish, shell products, bait, and animal food.

Source: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fishery Statistics of the United States*, annual; and *Fisheries of the United States*, annual.

NO. 1161. FISHERIES—QUANTITY AND VALUE OF CATCH, BY STATE, AND CATCH OF PRINCIPAL SPECIES, BY AREA: 1960 TO 1967

[Catch in millions of pounds, live weight, except as indicated; value in millions of dollars. Preliminary. See also *Historical Statistics, Colonial Times to 1870*, series L.262-283]

AREA, STATE, CATCH, AND VALUE	1960	1965	1966	1967	AREA, STATE, CATCH, AND VALUE	1960	1965	1966	1967
Total:					South Atlantic—Con.				
Catch	6,482	6,256	6,051	6,888	Georgia:				
Value	2,237	2,326	2,762	3,115	Catch	19	17	16	15
New England:					Value	20	21	25	20
Catch	789	580	563	545	Florida (east coast):				
Value	327	419	449	512	Catch	77	66	47	48
Maine:					Value	39	57	42	45
Catch	245	175	175	170	Catch for certain species:				
Value	83	101	106	122	Crabs	55	46	40	47
New Hampshire:					Scallops, Calico	-	13	2	8
Catch	19	6	8	8	Shrimp	33	26	23	23
Value	5	5	8	8	Gulf States:				
Massachusetts:					Catch	1,979	2,412	2,368	2,501
Catch	436	296	272	258	Value	463	597	761	720
Value	179	232	244	279	Florida (west coast):				
Rhode Island:					Catch	116	117	119	124
Catch	91	104	102	100	Value	66	114	112	111
Value	46	70	75	77	Alabama:				
Connecticut:					Catch	25	30	37	24
Catch	5	7	7	9	Value	25	41	64	45
Value	5	12	16	16	Mississippi:				
Catch for certain species:					Catch	232	471	416	436
Clams	15	22	22	16	Value	25	40	46	48
Cod	118	83	61	59	Louisiana:				
Crabs	7	6	6	6	Catch	1,412	1,693	1,577	1,804
Flounder	118	86	61	66	Value	174	225	313	316
Haddock	55	14	11	7	Texas:				
Herring, sea	184	52	79	84	Catch	94	103	117	111
Lobster, American	36	44	43	43	Value	153	177	246	200
Ocean perch, Atlantic	24	10	7	4	Catch for certain species:				
Pollock	40	43	54	45	Crabs	45	53	56	71
Scallops, sea	17	10	12	19	Mullet	31	17	18	26
Squid	6	15	19	16	Oysters (meats)	17	25	20	18
Wetling	16	31	31	26	Shrimp	206	263	304	257
Middle Atlantic:					Great Lakes:				
Catch	244	151	156	163	Catch	44	54	48	42
Value	97	101	114	126	Value	14	15	14	17
New York:					Pacific Coast:				
Catch	39	39	43	41	Catch	2,140	1,816	1,922	2,483
Value	45	36	45	53	Value	1,025	863	1,065	1,360
New Jersey:					Washington:				
Catch	201	108	106	116	Catch	156	167	167	205
Value	50	61	67	73	Value	66	93	111	150
Delaware:					Oregon:				
Catch	4	5	5	6	Catch	128	101	113	139
Value	2	2	2	2	Value	56	46	62	95
Catch for certain species:					California:				
Clams (meats)	40	73	77	66	Catch	804	363	366	452
Soup of porgy	8	2	6	6	Value	323	133	139	173
Squid	3	6	12	20	Alaska:				
Chesapeake Bay:					Catch	1,054	1,165	1,236	1,697
Catch	717	615	617	791	Value	560	591	753	942
Value	130	124	131	180	Catch for certain species:				
Maryland:					Anchovies	107	15	13	13
Catch	60	62	60	61	Bonito	14	5	1	11
Value	45	47	51	52	Cod	20	120	104	171
Virginia:					Crabs	347	129	160	174
Catch	637	723	526	710	Flounder	60	66	64	106
Value	65	76	80	106	Hake	12	16	26	39
Catch for certain species:					Hallbut	19	61	78	76
Alouves	1	1	1	2	Herring, sea	107	142	131	123
Clams (meats)	36	47	41	44	Jack mackerel	44	21	24	27
Crabs	65	91	64	76	Mackerel	65	75	65	84
Oysters (meats)	21	8	11	9	Oysters	7	8	8	10
Scallops, sea	6	3	4	7	Pollock	3	93	130	552
South Atlantic:					Rockfish	106	62	92	118
Catch	473	311	249	235	Sablefish	22	63	65	103
Value	146	156	155	150	Salmon	614	727	656	552
North Carolina:					Shrimp	96	35	63	72
Catch	356	215	169	157	Tuna	367	64	77	69
Value	69	65	63	63	Mississippi River and				
South Carolina:					tributaries:				
Catch	21	13	17	15	Catch	65	92	96	110
Value	20	14	25	22	Value	21	29	34	39
					Hawaii:				
					Catch	11	17	11	16
					Tuna catch	7	11	5	10
					Value	12	22	20	29

Represents zero. ¹ Collected largely by State fishery agencies, and compiled by National Marine Fisheries Service includes, in addition to the Great Lakes, small amounts for Lake St. Clair, Lake of the Woods, Nemadji Lake, and Pelly Lake.

Source: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fishery Statistics of the United States, annual*, and *Fisheries of the United States, annual*.

**NO. 1162. FISHERIES—DOMESTIC CATCH AND VALUE BY SELECTED MAJOR U.S. PORTS:
1963 TO 1967**

[See Historical Statistics, Colonial Times to 1970, series L 235-253, for data on quantity and value of catch]

PORT	CATCH (mil. lb.)					VALUE (mil. dol.)				
	1963	1964	1965	1966	1967	1963	1964	1965	1966	1967
Cameron, LA	743.9	679.2	673.6	616.8	672.4	39.5	36.2	29.9	34.6	31.9
Pascagoula-Moss Point, MS	360.2	425.3	423.2	365.5	391.6	23.2	25.0	18.4	20.4	20.3
Empire-Venice, LA	281.8	383.5	224.5	317.8	357.4	31.8	41.6	34.3	47.1	60.1
Dulac-Chauvin, LA	269.2	327.2	398.6	294.6	331.7	47.7	59.7	59.9	71.0	65.6
Intercoastal City, LA	(NA)	(NA)	(NA)	268.9	314.3	(NA)	(NA)	(NA)	11.3	13.4
Kodiak, AK	89.0	113.6	98.1	141.2	204.1	60.4	69.9	65.6	89.5	132.1
Los Angeles, CA	262.3	237.0	150.3	187.4	203.1	65.1	64.6	32.5	29.5	55.6
Dutch Harbor-Unalaska, AK	48.9	46.9	106.3	89.3	129.2	36.4	20.3	21.3	37.2	62.7
Gloucester, MA	150.9	179.1	116.5	110.0	93.0	38.0	37.1	37.1	37.6	34.0
Beaufort-Morehead City, NC	167.2	185.3	133.2	98.9	85.7	21.6	21.6	22.7	24.7	22.7
New Bedford, MA	111.8	99.5	90.6	65.8	78.7	109.2	107.7	103.2	108.0	143.7
Cordova, AK	(NA)	(NA)	(NA)	(NA)	69.6	(NA)	(NA)	(NA)	(NA)	41.9
Cape May-Wildwood, NJ	43.6	34.1	30.3	36.6	56.9	24.6	21.4	18.1	20.9	20.5
Bellingham, WA	23.9	34.0	36.8	45.9	47.5	6.6	14.9	16.6	28.8	27.4
Astoria, OR	29.5	23.1	25.5	36.6	46.6	11.2	9.2	9.5	16.4	24.6
Point Judith, RI	61.6	69.9	56.8	52.1	46.6	25.5	27.3	26.0	26.5	27.4
Portland, ME	53.9	37.0	36.1	34.9	43.8	16.0	14.5	17.2	22.4	35.6
Petersburg, AK	50.3	54.1	(NA)	65.2	42.4	19.3	24.9	(NA)	38.1	36.9
Port Hueneme-Oxnard-Ventura, CA	22.7	9.4	19.9	31.0	42.3	(NA)	(NA)	5.4	5.8	6.1
Rockland, ME	54.6	42.9	58.6	43.4	38.7	12.3	9.4	11.1	9.1	8.1

NA Not available. ¹ Record.

Source: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fishery Statistics of the United States*, annual; and *Fisheries of the United States*, annual.

NO. 1163. DOMESTIC FISH AND SHELLFISH CATCH AND VALUE, BY SPECIES, 1962 TO 1967

SPECIES	QUANTITY (1,000 lb.)					VALUE (\$1,000)			
	1962-67 5 year average	1964	1965	1966	1967	1964	1965	1966	1967
Total	(x)	6,437,783	6,267,642	6,030,634	6,896,726	2,363,443	2,326,237	2,762,623	3,114,713
Fish, total ¹	(x)	6,466,184	6,214,363	6,070,789	6,708,216	1,189,612	1,193,427	1,318,134	1,629,041
Anchovies	14,263	17,796	14,566	13,436	12,657	5,631	2,704	2,523	2,706
Bluefish	14,669	12,713	13,743	13,968	15,226	2,362	2,363	2,413	3,254
Butterfish	14,912	26,026	10,338	9,880	10,315	7,056	3,537	6,576	6,496
Cod: Atlantic	91,529	96,775	82,823	61,134	59,100	36,143	35,140	36,142	44,179
Pacific	104,040	115,606	120,275	104,443	170,611	20,866	18,556	11,337	31,443
Croaker	11,275	10,570	11,086	12,362	11,044	3,652	3,666	3,663	4,396
Flounders	307,997	219,995	195,716	199,050	199,711	124,259	129,121	124,586	145,080
Haddock	25,756	25,997	14,416	10,966	6,673	18,352	13,545	10,911	6,522
Halibut	53,030	47,903	61,032	77,691	76,107	25,435	36,376	62,926	68,254
Herring, sea									
Atlantic	66,904	73,784	57,133	79,381	84,536	3,722	2,668	4,314	4,368
Herring, sea, Pacific	127,228	104,742	142,074	130,764	122,596	22,159	47,025	44,596	47,916
Jack mackerel	33,058	23,350	20,862	23,672	26,671	1,983	1,770	1,775	1,831
Mackerel, Pacific	77,867	93,406	75,463	65,444	93,755	7,612	6,324	6,408	6,433
Menhaden	2,750,142	2,891,076	2,739,401	2,391,363	2,712,265	117,297	100,680	93,782	104,425
Mullet	23,861	22,762	21,205	21,646	30,125	5,426	5,720	6,043	6,224
Ocean perch									
Atlantic	12,136	12,333	9,666	6,576	4,202	3,550	3,178	3,160	2,709
Ocean perch, Pacific	6,656	6,666	9,034	15,566	19,862	1,906	1,757	3,116	4,476
Pollock, Atlantic	38,931	39,536	43,477	54,489	45,645	6,439	6,978	14,044	17,916
Pollock, Alaska	50,716	24,016	92,833	130,424	552,048	2,155	6,409	7,167	46,849
Rockfish	97,315	85,589	82,109	92,029	117,881	21,613	23,107	26,266	36,153
Sablefish	57,069	50,031	63,380	64,866	102,696	17,526	28,692	45,879	56,107
Salmon	664,718	691,409	726,946	656,521	562,016	391,462	439,795	493,937	596,376
Scup or porgy	16,346	18,505	15,896	16,181	14,295	6,775	9,338	9,476	8,810
Sea trout, gray	18,705	19,726	16,400	20,802	17,927	7,541	7,330	7,066	7,499
Shark Dogfish	12,523	6,071	11,563	11,114	14,167	549	842	964	1,573
Snapper, red	5,705	5,745	5,181	4,469	3,732	10,107	10,661	9,820	6,661
Swordfish	11,312	12,831	12,258	6,671	9,761	37,063	33,191	30,508	34,974
Tuna	196,359	211,630	83,054	87,811	100,056	116,352	52,515	54,575	96,803
Whiting	40,738	46,214	44,645	36,824	34,673	6,867	6,274	6,312	11,584
Shellfish, total ¹	(x)	961,569	1,043,278	1,159,871	1,187,511	1,161,850	1,132,810	1,443,686	1,488,672
Clams	130,515	132,921	150,551	145,393	134,357	116,491	126,349	134,910	132,861
Crabs	334,568	312,953	337,832	356,660	366,366	186,676	203,044	270,136	321,875
Lobsters, American	43,965	43,967	46,152	46,063	45,556	114,348	114,895	120,556	132,554
Oysters	47,496	48,267	44,173	40,544	39,807	60,617	70,063	78,068	92,423
Scallops: Calico	14,815	39,330	12,513	1,616	6,155	21,620	12,524	3,067	6,699
Sea	19,210	16,427	15,629	19,992	32,036	97,675	74,562	97,415	132,263
Shrimp	296,330	301,754	333,691	400,185	363,142	486,400	472,850	662,744	578,084
Squid, Atlantic	26,303	30,948	7,157	33,146	36,883	26,586	7,256	10,279	12,483
Pacific	21,419	2,216	22,276	42,262	43,166	514	4,047	4,386	4,300

X Not applicable. ¹ Includes other types of fish and shellfish, not shown separately.

Source: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fisheries of the United States*, annual.

Domestic Catch Disposition—Joint Venture Catches—Catch and Value 667

No. 1164. FISHERIES—DISPOSITION OF DOMESTIC CATCH: 1970 TO 1967

(Live weight catch in millions of pounds. 1978-1987 preliminary. In addition to whole fish, a large portion of waste (400-500 million lb.) derived from canning, filleting, and dressing fish and shellfish is utilized in production of fish meal and oil in each year shown. See *Historical Statistics, Colonial Times to 1970*, series L 305-310, for similar but not entirely comparable data.)

Disposition	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total	4,917	4,877	5,099	5,267	5,482	5,977	5,267	5,439	5,439	5,259	5,531	5,898
Fresh and frozen	1,585	1,744	2,237	2,394	2,621	2,547	2,550	2,304	2,336	2,242	2,467	3,026
Canned	1,150	907	1,099	1,048	1,161	1,116	881	1,087	1,129	1,232	1,134	1,171
Cured	71	55	52	94	95	90	85	80	82	70	60	56
Reduced to meal, oil, etc.	2,101	2,171	2,640	2,733	2,604	2,222	2,841	2,888	2,892	2,714	2,350	2,641

Source: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

No. 1165. JOINT VENTURE CATCHES IN THE U.S. EXCLUSIVE ECONOMIC ZONE (EEZ) BY SPECIES: 1984 TO 1987

(Joint venture—An operation authorized under the Magnuson Fishery Conservation and Management Act (MFCMA) in which a permitted foreign vessel receives fish in the U.S. Exclusive Economic Zone (EEZ) from a U.S. vessel. The fish received from the U.S. vessel are part of the U.S. harvest.)

SPECIES	QUANTITY (1,000 lb.)				VALUE (\$1,000)			
	1984	1985	1986	1987	1984	1985	1986	1987
Total	1,485,264	2,888,888	2,888,879	3,520,881	79,042	104,320	154,899	213,796
Albacore	20	-	(D)	48	1	-	(D)	(Z)
Alta mackerel	80,453	85,047	70,527	88,208	5,832	6,109	4,826	4,775
Cod	84,804	80,189	145,537	131,220	8,548	7,798	14,449	15,334
Flounders	119,889	398,084	475,924	494,381	7,805	24,833	28,847	33,272
Hake, Pacific	(D)	(D)	179,981	467,363	(D)	(D)	6,736	23,306
Ocean perch	5,089	619	802	1,228	889	56	72	173
Mackerel, Atlantic	3,138	8,350	(D)	17,863	220	584	(D)	1,058
Pollock, Alaska	979,406	1,354,388	1,993,203	2,330,958	41,581	59,730	95,294	134,302
Rockfishes	783	154	474	705	105	14	57	100
Sablefish	1,820	207	958	271	398	30	137	37
Whiting	(D)	-	144	11	(D)	-	9	(Z)
Squid	14,925	7,987	(D)	9,112	2,385	1,194	(D)	1,373
Other	174,587	72,884	21,531	1,339	11,862	3,971	2,470	86

- Represents zero. D Figure withheld to avoid disclosure. Z Less than \$500.

Source: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fisheries of the United States*, annual.

No. 1166. U.S. CATCH AND VALUE OF FISH AND SHELLFISH, BY DISTANCE CAUGHT OFF U.S. SHORES—SELECTED SPECIES: 1987

(Preliminary. Catch is shown in live weight, except as indicated. Includes landings by U.S. flag vessels at Puerto Rico and other ports outside the 50 States and joint venture catches; see table 1165.)

SPECIES	Total U.S. catch (mil. lb.)	BY DISTANCE FROM U.S. SHORES						Value of U.S. catch ¹ (mil. dol.)	PERCENT OF TOTAL VALUE, BY DISTANCE CAUGHT OFF U.S. SHORES		
		Catch (mil. lb.)			Percent of U.S. catch				3 miles or less ¹	3 to 200 miles	International waters ²
		3 miles or less ¹	3 to 200 miles	International waters ²	3 miles or less ¹	3 to 200 miles	International waters ²				
Total	10,686	4,080	5,322	884	37.0	57.5	5.5	3,889	46.3	46.0	7.7
Fish ³	9,783	3,431	5,748	884	35.1	58.7	6.2	2,879	43.3	43.4	13.3
Cod	381	27	334	(2)	7.5	92.5	(2)	91	6.6	93.4	(2)
Flounder	884	81	826	7	8.8	90.2	1.0	178	14.0	83.2	2.8
Halibut	76	27	49	(2)	35.7	64.3	(2)	88	34.9	65.1	(2)
Herring, sea	207	185	42	-	78.8	20.2	-	52	86.2	3.8	-
Mackerel	133	4	129	-	3.1	96.9	-	18	11.1	88.9	-
Menhaden	2,712	2,085	627	-	78.9	23.1	-	104	79.2	20.8	-
Pollock	2,929	83	2,846	(2)	2.8	97.2	(2)	198	3.6	96.4	(2)
Salmon, Pacific	562	545	17	-	97.0	3.0	-	598	83.9	6.1	-
Tuna	626	1	32	593	1	5.2	94.7	321	.2	18.3	81.5
Shellfish ³	1,289	629	574	(2)	82.3	47.7	(2)	1,469	68.4	49.5	(2)
Clams (meats)	134	37	97	-	27.2	72.8	-	133	72.0	28.0	-
Crabs	388	235	151	(2)	60.8	39.2	(2)	322	38.3	61.7	(2)
Lobsters	51	38	12	(2)	77.0	22.9	1	155	72.9	26.9	2
Scallops (meats)	41	2	39	-	4.9	95.1	-	144	6.3	83.7	-
Shrimp	363	175	186	-	48.2	51.8	-	578	45.8	54.2	-
Squid	81	7	84	-	7.4	92.6	-	18	14.2	85.8	-

- Represents zero. Z Less than 500,000 pounds or .05 percent. ¹ Includes all landings in Great Lakes and other inland waters. ² Greater than 200 nautical miles seaward from the U.S. shores except for 2 States. The boundaries for the Gulf Coast of Florida and Texas are 9 nautical miles. ³ Includes other species not shown separately.

Source: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fishery Statistics of the United States*, annual and *Fisheries of the United States*, annual.

NO. 1167. U.S. PRIVATE AQUACULTURE—PRODUCTION AND VALUE: 1960 TO 1966

[Production is shown in live weight, except as indicated. Aquaculture is the commercial growing of fish or other aquatic life in a controlled environment]

SPECIES	PRODUCTION (1,000 lbs.)					VALUE (\$1,000)				
	1960	1963	1964	1965	1966	1960	1963	1964	1965	1966
Total	303,176	404,340	455,733	535,764	619,989	161,677	314,674	366,166	422,736	466,229
Beltfish ¹	22,046	22,046	23,598	24,807	25,247	44,000	44,000	47,045	51,280	51,522
Catfish	76,842	220,000	239,800	271,387	326,979	53,572	132,000	191,840	189,194	226,886
Clams ²	661	1,688	1,698	1,688	2,506	2,295	8,500	4,178	4,717	6,307
Crawfish	23,917	60,000	59,400	84,989	97,500	12,951	30,000	29,700	32,500	46,750
Freshwater prawns	300	275	317	267	178	1,200	1,500	1,898	1,540	893
Mussels ³	(NA)	775	917	928	1,206	(NA)	1,500	1,584	1,248	1,725
Oysters ⁴	23,755	23,300	24,549	22,473	24,090	37,085	31,500	36,970	39,977	42,797
Pacific salmon	7,616	20,600	45,086	84,305	74,398	3,400	8,800	17,252	25,439	32,751
Shrimp	-	255	526	440	1,354	-	874	1,568	1,667	3,408
Trout	48,141	48,400	49,940	50,800	51,000	37,474	50,000	54,435	55,184	55,990
Other species	(NA)	7,000	9,900	14,000	15,500	(NA)	7,000	9,900	20,000	21,700

- Represents zero. NA Not available. ¹ Not used for food consumption. ² Production is shown in meat weight.

Source: U.S. Dept. of Agriculture, Office of Aquaculture, *Agricultural Outlook*, June 1968.

NO. 1168. SUPPLY OF SELECTED FISHERY ITEMS: 1976 TO 1967

[In millions of pounds. Totals for U.S. consumption are supply minus exports plus imports. Round weight is the complete or full weight as caught. Data are preliminary]

ITEM	unit	1976	1979	1980	1981	1982	1983	1984	1985	1986	1987
Sardines, canned	Canned weight	73	78	69	64	67	46	58	78	66	77
Salmon, canned	Canned weight	116	66	126	151	71	127	160	113	87	63
Tuna, canned	Canned weight	757	674	666	696	626	713	777	759	673	666
Clams	Meat weight	94	90	102	130	119	126	144	164	162	152
King crab	Round weight	75	66	133	60	26	23	13	11	19	14
Snow crab	Round weight	66	44	54	43	25	30	23	45	49	■
Crab meat, canned	Canned weight	7	7	6	7	7	8	7	6	6	6
American lobster	Round weight	62	66	66	78	81	93	100	106	119	115
Spiny lobster	Round weight	148	157	127	134	127	137	163	154	152	151
Oysters	Meat weight	65	75	71	78	82	81	84	90	91	92
Scallops	Meat weight	62	69	61	72	55	67	87	72	70	81
Shrimp	Head-off weight	431	424	425	434	458	541	564	633	706	773

NO. 1169. CANNED, FRESH AND FROZEN FISHERY PRODUCTS—PRODUCTION AND VALUE: 1975 TO 1967

[Fresh fishery products exclude Alaska and Hawaii. Canned fishery products data are for natural pack only. See also *Historical Statistics, Colonial Times to 1870*, series L 338-3367 (production data in cases) and L 369]

PRODUCT	PRODUCTION (mil. lb.)						VALUE (mil. dol.)					
	1975	1980	1984	1985	1986	1987 ¹	1975	1980	1984	1985	1986	1987 ¹
CANNED												
Total ²	1,362	1,516	1,411	1,181	1,232	1,171	1,667	1,926	1,576	1,360	1,466	1,611
Tuna	529	602	614	545	537	664	553	1,144	872	821	662	1,016
Salmon	78	200	200	159	142	112	110	376	322	226	266	221
Clam products	76	77	114	117	116	122	42	66	95	109	118	86
Mackerel ³	10	36	31	15	17	(NA)	3	12	13	7	6	(NA)
Sardines, Maine	26	20	15	20	16	13	25	32	25	36	29	22
Shrimp	12	16	7	4	5	4	26	60	36	19	23	23
Crabs	3	5	1	1	1	(2)	10	19	5	2	2	(2)
Squid	6	4	(NA)	4	(NA)	(NA)	2	1	(NA)	1	(NA)	(NA)
Oysters ⁴	2	(2)	6	2	3	3	4	(2)	5	2	4	4
FRESH AND FROZEN												
Fish filets and steaks ⁵	132	202	252	246	280	277	736	261	410	440	564	566
Cod	15	31	70	57	77	61	15	43	97	89	142	152
Flounder	42	49	79	69	64	56	53	87	159	157	189	165
Haddock	8	17	9	8	8	9	12	29	19	19	25	32
Ocean perch, Atlantic	6	7	3	2	3	3	6	9	3	3	6	6
Rockfish	6	14	18	18	17	16	3	13	23	25	24	24
Pollock, Atlantic	6	9	11	15	16	19	4	9	11	17	21	30
Pollock, Alaska	(NA)	(NA)	4	11	24	65	(NA)	(NA)	4	24	25	69
Other	47	74	56	66	71	49	45	71	95	106	152	116
Frozen fishery products	300	226	188	206	182	154	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available. ² Less than 500,000 pounds or \$500,000. ¹ Preliminary. ³ Includes other products, not shown separately. ⁴ Includes Jack and a small amount of Pacific mackerel. ⁵ Includes oyster specialties. ⁶ Fresh and frozen.

Source of tables 1168 and 1169: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fishery Statistics of the United States, annual*, and *Fisheries of the United States, annual*.

Processed Fishery Products—Imports and Exports

663

NO. 1178. PROCESSED FISHERY PRODUCTS—PRODUCTION AND VALUE '98. '99. '95.

Includes Puerto Rico and American Samoa. See -Reference Statistics -Country Tables E -FPI series . 362-365 for 1988-1992 and 31

[illegible]

1 No splines 2 Splines 3 Rough cut for 4 Rough saw to form chest for roller to track.
5 Splines 6 Rough roller ends by 20"

Source: U.S. National Science and Management Administration National Marine Fisheries Service, Fishery Statistics of the United States, 1960-61 and Fisheries of the United States, 1961.

MC 157L - SEP. 24 1965 - MPB'S MC 5700'S '77. '78. '79.

WFOON'S HOUSEHOLD BUDGETS & LIFE IN 1930s - HOUSEHOLD & AMERICAN SERVICE. See also: HOUSEHOLD BUDGETS - 1930s - 1940s - 1950s - 1960s - 1970s - 1980s - 1990s - 2000s - 2010s - 2020s

[illegible]

Figure 1

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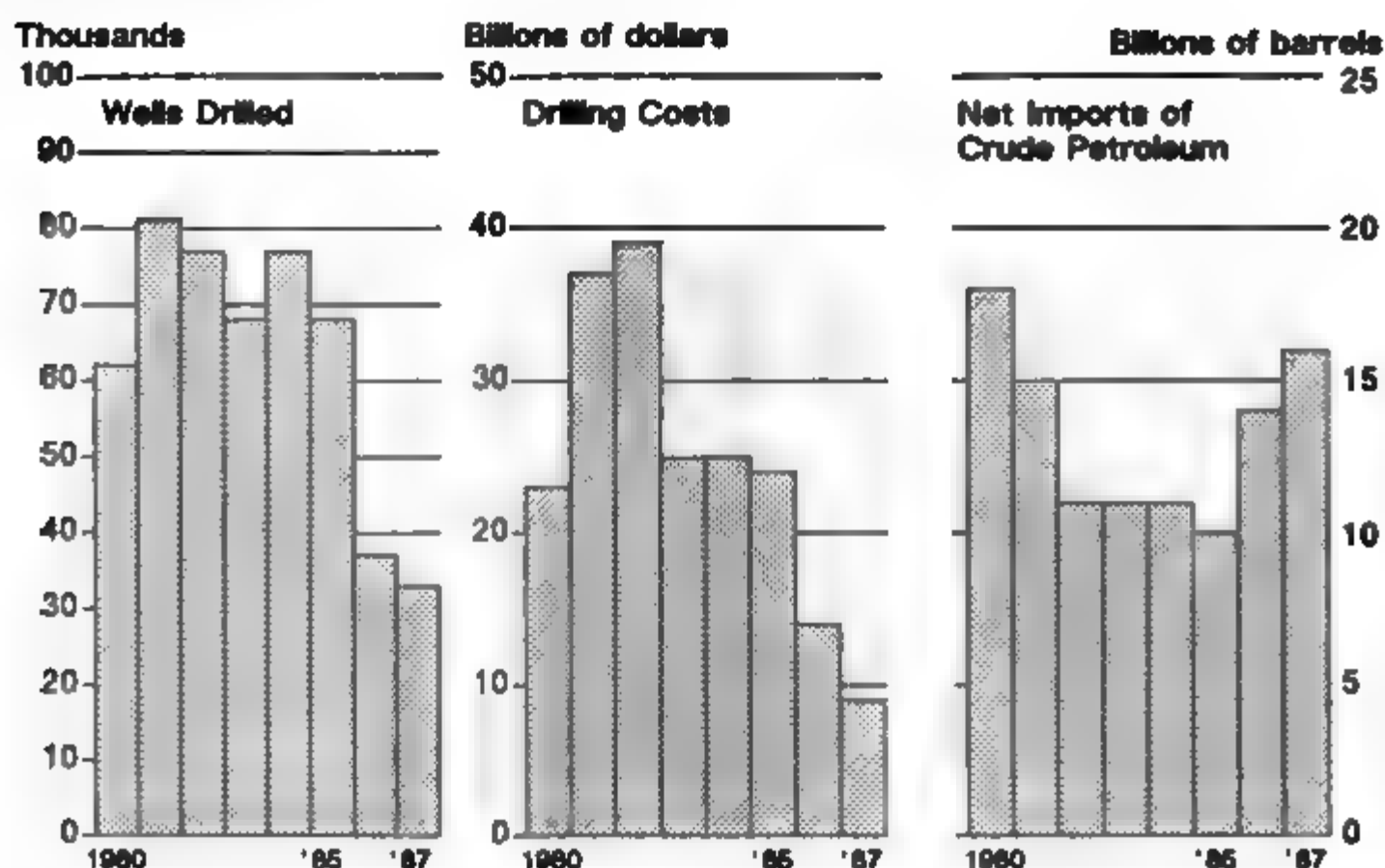
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Figure 25.1

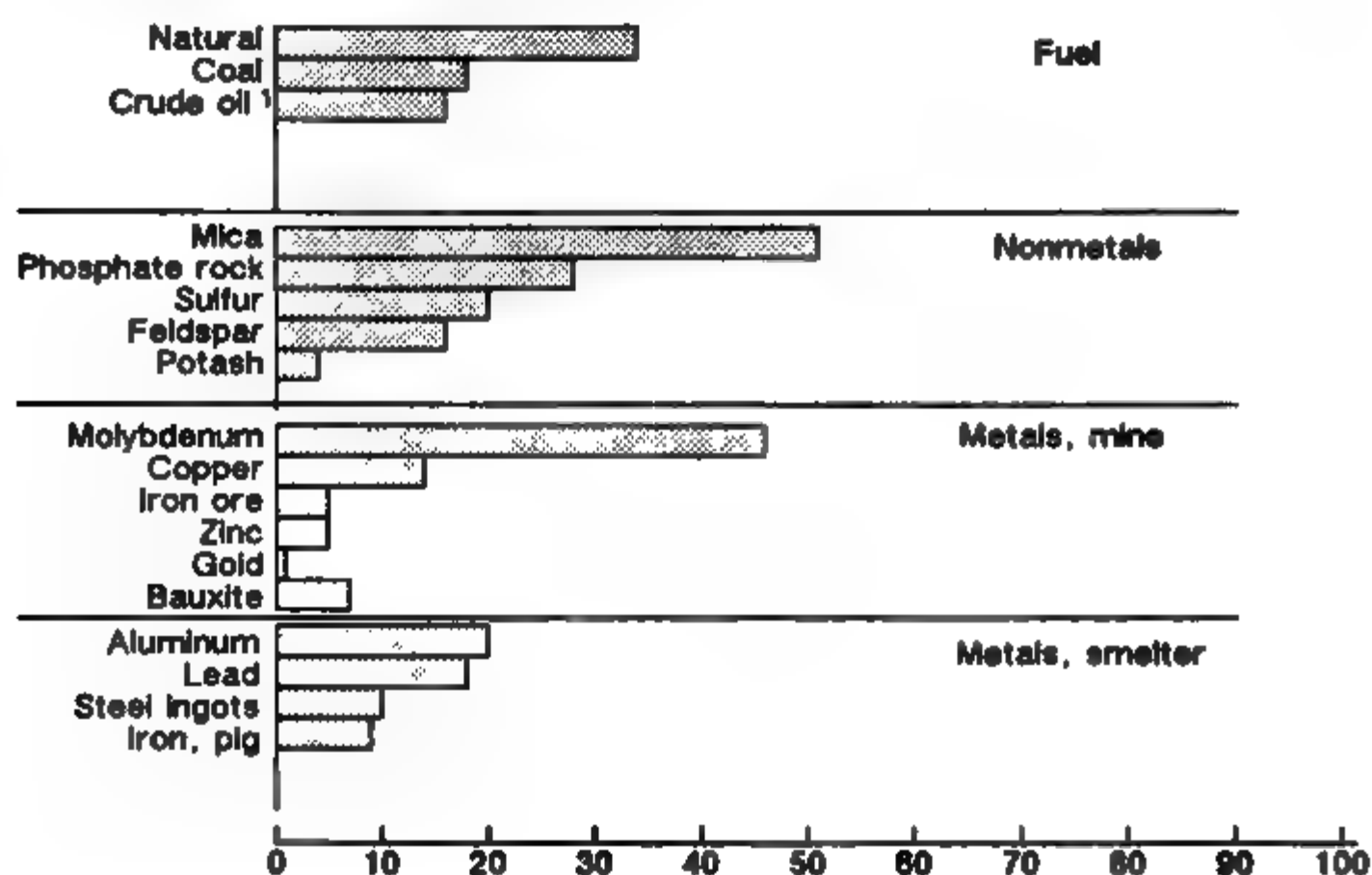
**Crude Petroleum and Natural Gas—Wells Drilled,
Drilling Cost and Imports: 1980 to 1987**



Source: Chart prepared by U.S. Bureau of the Census. For data see table 1188 and 1190.

Figure 25.2

U.S. Mineral Production as Percent of World: 1986



¹ Includes natural gas liquids.

Source: Chart prepared by U.S. Bureau of the Census. For data see table 1188 and 1190.



Section 25

Mining and Mineral Products

This section presents data relating to mineral industries and their products, general summary measures of production and employment, and more detailed data on production, prices, imports and exports, consumption, and distribution for specific industries and products. Data on mining and mineral products may also be found in sections 27 and 31 of this *Abstract*; data on mining employment may be found in section 13.

"Mining" comprises the extraction of minerals occurring naturally (coal, ores, crude petroleum, natural gas) and quarrying, well operation, milling, refining and processing and other preparation customarily done at the mine or well site or as a part of extraction activity. (Mineral preparation plants are usually operated together with mines or quarries.) Exploration for minerals is included as is the development of mineral properties.

The principal governmental sources of these data are the three-volume *Minerals Yearbook*, published by the Bureau of Mines, Department of the Interior, and various monthly and annual publications of the Energy Information Administration, Department of Energy. See text, section 19 for list of Department of Energy publications. In addition, the Bureau of the Census conducts a census of mineral industries every 5 years. Non-government sources include the *Annual Statistical Report of the American Iron and Steel Institute*, Washington, DC; *Metals Week* and the monthly *Engineering and Mining Journal*, issued by the McGraw-Hill Publishing Co., New York, NY; *The Iron Age*, issued weekly by the Chilton Co., Philadelphia, PA; and the *Joint Association Survey of the U.S. Oil and Gas Industry*, conducted jointly by the American Petroleum Institute, Independent Petroleum Association of America, and Mid-Continent Oil and Gas Association.

Mineral statistics, with principal emphasis on commodity detail, have been collected by the Geological Survey or by the Bureau of Mines since 1880. Current data in Bureau of Mines publications include quantity and value of nonfuel minerals produced, sold or used by producers, or shipped; quantity of minerals stocked; crude materials treated and prepared minerals recovered; and consumption of mineral raw materials. The U.S. Mine Safety and Health Administration also collects and publishes data on workhours, employment, accidents, and injuries in the mineral industries, except petroleum and natural gas. In October 1977, mineral fuel data collection activities of the Bureau of Mines were transferred to the Energy Information Administration.

Censuses of mineral industries have been conducted by the Bureau of the Census at various intervals since 1840. Beginning with the 1967 census, legislation provides for a census to be conducted every fifth year for years ending in "2" and "7." The censuses provide, for the various types of mineral establishments, information on operating costs, capital expenditures, labor, equipment, and energy requirements in relation to their value of shipments and other receipts. Commodity statistics on many manufactured mineral products are also collected by the Bureau at monthly, quarterly, or annual intervals and issued in its *Current Industrial Reports* series.

In general, figures shown in the individual commodity tables include data for outlying areas, and may therefore not agree with summary table 1177. Except for crude petroleum and refined products, the export and import figures include foreign trade passing through the customs districts of United States and Puerto Rico, but exclude shipments between U.S. territories and the customs districts.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

NO. 1173. SUMMARY OF MINERAL OPERATIONS: 1958 TO 1982

[Represents mineral operations only. Beginning 1967, excludes single unit establishments without paid employees. See also *Historical Statistics, Colonial Times to 1970*, series M 1-11]

ITEM	Unit	1958	1963	1967	1972	1977	1982
Establishments ¹	Number	36,382	38,651	26,579	25,269	31,359	73,005
With 20 or more employees ¹	Number	6,045	5,499	5,882	5,312	6,632	10,272
Including all operations in manufactures ¹	Number	37,966	40,532	29,686	26,176	31,967	73,349
Excluding oil and gas extraction	Number	19,444	19,290	13,330	11,680	13,520	12,636
Employees, total	1,000	734	818	567	595	799	1,114
Production workers ²	1,000	585	482	433	403	583	782
All other	1,000	189	134	134	152	206	352
Worker-hours, production workers ²	Million	1,081	973	892	909	1,183	1,578
Workhours per production workers	1,000	1.9	2.0	2.1	2.1	2.0	2.1
Payroll, total	Mill. dol.	3,749	3,743	4,187	6,226	13,187	28,837
Wages, production workers ²	Mill. dol.	2,623	2,680	2,686	4,250	9,082	18,030
Salaries, all other employees	Mill. dol.	1,126	1,063	1,299	1,976	4,065	10,807
Cost of supplies, etc. ³	Mill. dol.	7,521	6,974	10,576	14,884	48,078	109,697
Value added in mining	Mill. dol.	13,385	15,910	19,330	26,471	66,013	188,056
Metal mining	Mill. dol.	1,160	1,418	1,557	2,382	3,504	3,215
Coal mining	Mill. dol.	1,780	1,727	2,091	3,754	11,288	18,631
Oil and gas extraction	Mill. dol.	9,033	11,020	13,394	17,612	48,587	159,837
Nonmetallic minerals mining	Mill. dol.	1,392	1,745	2,286	2,723	4,656	6,273
Value of shipments and receipts ⁴	Mill. dol.	18,373	16,804	22,784	36,319	96,375	250,000
Capital expenditures	Mill. dol.	2,804	3,264	4,058	5,036	17,718	47,753

¹ Data for 1982 are not comparable to prior years. ² See footnote 5, table 1176. ³ Includes purchased machinery installed.

⁴ See footnote 7, table 1176.

Source: U.S. Bureau of the Census, *Census of Mineral Industries, 1972, 1977 and 1982*.

NO. 1174. GROSS NATIONAL PRODUCT IN MINING: 1970 TO 1987

[In billions of dollars, except percent. For definition of gross national product, see text, section 14. Based on 1972 Standard Industrial Classification]

MINING INDUSTRY	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Current dollars, total	18.7	41.2	59.2	56.5	72.7	107.3	143.7	132.1	118.4	119.4	114.2	82.1	86.4
Percent of total gross national product	1.5	2.8	2.5	2.5	2.9	3.9	4.7	4.2	3.5	3.2	2.8	1.9	1.9
Metal mining	1.5	1.8	1.9	2.2	3.3	3.6	3.9	2.3	2.5	2.2	1.8	2.1	2.2
Coal mining	3.0	9.1	9.6	10.2	11.4	12.9	13.8	15.1	14.3	14.8	13.9	13.2	12.7
Oil and gas extraction	12.2	27.4	34.9	39.6	53.1	84.9	120.8	110.2	98.4	98.4	92.4	60.3	65.0
Nonmetallic minerals, exc. fuels	1.9	3.2	3.8	4.4	4.8	5.8	5.2	4.5	5.1	6.2	6.1	6.5	5.5
Constant (1982) dollars, total	134.6	125.6	128.2	128.8	130.0	135.6	138.8	132.1	125.4	123.0	120.1	115.7	117.5
Metal mining	4.0	3.5	3.4	3.4	3.6	3.5	3.6	2.3	2.2	2.5	2.4	2.4	2.7
Coal mining	11.2	11.9	12.6	12.1	14.1	14.9	14.8	15.1	14.3	15.1	15.0	16.0	16.6
Oil and gas extraction	115.2	105.7	105.3	108.0	108.9	111.7	115.5	110.2	104.1	108.9	108.2	91.9	92.7
Nonmetallic minerals, exc. fuels	4.2	4.5	4.9	5.3	5.4	5.5	5.6	4.5	4.9	5.4	5.6	5.3	5.5

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July issues.

NO. 1175. MINING AND PRIMARY METAL PRODUCTION INDEXES: 1970 TO 1987

[1977 = 100. See also *Historical Statistics, Colonial Times to 1970*, series M 68-71]

INDUSTRY GROUP	1970	1975	1976	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Mining	98.9	99.6	97.4	103.6	106.4	112.4	117.5	108.3	102.9	111.1	108.8	100.4	100.7
Coal	88.2	93.8	97.7	98.0	111.5	118.4	117.8	119.9	113.3	128.1	126.8	127.7	131.8
Anthracite	185.5	105.7	105.4	85.8	82.0	102.5	82.2	78.0	70.0	70.6	68.6	65.9	66.0
Bituminous	87.1	93.7	97.6	98.1	112.0	118.6	118.0	120.3	113.8	126.7	127.4	128.4	132.5
Oil and gas extraction	100.2	97.3	95.6	104.5	104.2	111.5	117.8	110.9	102.8	109.1	106.2	93.9	92.7
Crude oil and natural gas	115.9	101.9	99.4	102.8	101.8	103.2	102.3	100.1	96.6	99.9	99.5	98.9	94.6
Oil and gas drilling	48.7	62.0	62.4	117.6	119.5	164.1	214.1	178.8	139.9	165.5	147.5	75.2	79.1
Metal mining	127.3	104.6	114.0	107.3	113.4	103.8	113.2	71.4	65.2	77.0	75.0	74.2	77.6
Iron ore	162.8	144.1	143.5	146.5	154.5	125.4	134.9	66.4	66.8	82.1	87.7	70.8	83.0
Nonferrous ores	116.3	92.5	105.0	90.6	95.9	94.6	104.0	73.5	63.7	70.6	69.6	75.6	75.1
Copper ore	112.9	92.9	105.8	98.5	104.8	85.2	110.9	82.6	75.9	78.6	79.4	83.4	92.1
Lead and zinc ores	105.7	104.4	103.6	86.0	83.4	91.7	78.6	68.2	75.9	60.3	66.0	58.8	55.0
Primary metals, manufacturing	94.8	98.2	98.7	107.0	108.6	90.4	95.0	85.6	73.0	82.3	80.6	75.1	81.3
Nonferrous metals	82.9	81.0	83.5	106.1	109.6	98.3	99.7	81.4	66.2	90.3	99.7	97.2	101.6
Copper	126.7	95.7	102.6	106.5	114.5	88.8	108.4	77.3	60.1	90.2	92.1	91.9	93.0
Aluminum	87.6	86.5	83.4	105.8	110.7	12.7	109.1	79.6	61.4	99.3	94.9	73.8	81.2
Iron and steel	102.1	92.0	101.4	107.6	108.0	68.9	92.5	57.5	66.1	73.4	70.4	63.4	70.8

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

NO. 1176. MINERAL INDUSTRIES—SUMMARY: 1972 TO 1982

["N.E.C." means not elsewhere classified. See also Historical Statistics, Colonial Times to 1972, series M1-12]

MINERAL INDUSTRY	1972			1977			1982										
	Establishments	All employees, payroll (mil. dol.)	Value added in mining (mil. dol.)	Establishments		All employees		Value added in mining (mil. dol.)		Establishments ¹		All employees		Production workers ²		Value of shipments and receipts (mil. dol.)	Capital expenditures (mil. dol.)
				Total	With 20 or more employees	Num. base ³ (1,000)	Payroll (mil. dol.)	Total	With 20 or more employees	Num. base ³ (1,000)	Payroll (mil. dol.)	Hours ⁴ (mil. hours)	Wages (mil. dol.)	Value added in mining (mil. dol.)			
All Industries	25,399	8,235	26,471	31,398	8,932	36,013	73,006	10,572	1,114	28,937	762	1,578	18,833	286,008	47,793		
Metals mining	1,014	663	2,362	1,208	326	3,804	1,518	326	66	1,960	47	90	1,222	8,307	1,161		
Iron ores	111	218	702	97	61	1,046	78	40	12	340	7	13	201	1,414	63		
Copper ores	181	387	1,025	133	61	1,067	81	51	22	604	16	30	429	1,551	423		
Lead and zinc ores	101	72	200	96	41	329	71	28	4	112	3	6	71	318	57		
Gold and silver ores	132	30	61	176	20	161	371	60	10	263	7	15	181	650	238		
Gold ores and placers	81	20	47	128	8	78	266	56	8	166	5	10	120	521	206		
Silver ores	51	10	14	48	12	83	85	21	3	76	2	6	81	220	33		
Bauxite	10	4	24	12	6	31	8	4	(2)	9	(2)	(2)	6	30	5		
Ferrous ores, except vanadium	44	40	137	56	17	256	66	16	5	150	3	6	86	206	110		
Metals mining services	172	31	64	270	42	112	394	22	3	61	2	4	42	125	27		
Nonferrous metal ores	263	71	180	376	80	502	443	67	12	323	8	17	205	671	240		
Anthracite mining	238	36	88	176	43	123	173	41	4	86	9	8	67	176	283		
Anthracite	213	32	53	156	38	116	152	40	3	67	3	8	56	172	23		
Anthracite mining services	17	3	6	20	5	7	21	1	(2)	2	(2)	(2)	2	5	1		
Bituminous coal, lignite mining	3,368	1,742	3,666	5,276	1,660	11,143	8,006	1,660	248	6,736	186	380	8,186	28,261	3,169		
Bituminous coal and lignite	3,191	1,716	3,626	4,944	1,610	10,837	4,513	1,767	241	6,570	183	370	5,066	27,665	3,141		
Coal mining services, n.e.c.	174	26	60	331	80	306	492	89	7	166	6	11	132	414	56		
Oil and gas extraction	14,498	2,526	17,812	18,447	3,128	48,587	60,511	8,814	885	17,883	434	926	10,833	188,937	42,216		
Crude petroleum and natural gas	7,800	1,375	14,422	8,573	1,961	36,327	27,536	1,964	264	8,064	102	214	2,725	126,035	34,261		
Natural gas liquids	680	117	1,018	982	209	3,286	783	236	14	402	12	24	323	8,865	1,131		
Oil and gas field services	8,208	1,033	2,172	982	1,936	6,974	32,160	4,594	406	9,207	320	701	8,965	25,037	3,112		
Drilling oil and gas wells	1,807	422	881	2,626	640	3,307	10,123	1,810	166	4,007	139	296	3,241	11,316	1,378		
Oil and gas exploration services	715	89	212	1,252	116	545	4,226	389	42	610	33	73	822	2,307	361		
Oil and gas field services, n.e.c.	3,597	522	1,079	5,306	982	3,122	17,809	2,385	196	4,391	146	332	3,123	11,415	1,454		
Nonmetallic minerals mining	6,162	1,070	2,723	8,236	1,443	4,686	6,901	1,233	110	2,276	89	194	1,336	8,278	1,164		
Dimension stone ⁵	198	13	20	209	23	39	154	22	2	21	1	2	16	50	3		
Crushed and broken stone ⁶	1,937	368	982	2,055	656	1,501	1,932	567	37	701	28	57	494	1,787	269		
Sand and gravel ⁷	2,929	322	776	2,607	430	1,017	2,758	343	28	620	21	42	360	1,336	211		
Clay and related materials ⁸	306	76	198	256	103	368	224	97	11	212	8	16	139	510	107		
Chemical and fertilizer minerals	504	203	563	206	112	1,433	196	114	26	661	18	36	266	2,237	519		
Nonmetallic minerals, services	126	11	20	176	33	70	222	18	2	36	1	3	28	70	7		
Miscellaneous ⁹	459	56	138	546	87	228	315	72	6	108	5	10	61	283	37		

2. Less than 500 or 500,000.
 contract work, and purchased machinery from the value of shipments and capital expenditures.
 the crude petroleum and natural gas and mining services industries.
 workers.
 industry and amount received for services performed for other establishments on a contract, fee, or other basis.
 plants.
 plants.
 plants.

Source: U.S. Bureau of the Census, Census of Mineral Industries, 1972, 1977, and 1982, final industry series reports.

No. 1177. MINERAL PRODUCTION AND VALUE, 1970 TO 1986.

[Data represent production as measured by mine shipments, mine sales, or marketable production]

	MINERAL	PRODUCTION QUANTITY							
		Unit	1970	1985	1983	1983	1984	1986	1986
1	Total mineral production	(x).....	(x)	(x)	(x)	(x)	(x)	(x)	(x)
2	Mineral fuels.....	(x).....	(x)	(x)	(x)	(x)	(x)	(x)	(x)
3	Coal: Bituminous and lignite.....	Mill. sh. ton.....	603	824	834	778	892	879	988
4	Pennsylvania anthracite.....	Mill. sh. ton.....	10	6	5	4	4	5	4
5	Natural gas (wet).....	Tril. cu. ft.....	21.92	20.18	18.52	16.82	18.23	17.20	16.79
6	Petroleum (crude).....	Mill. bbl. ¹	3,517	3,148	3,157	3,171	3,250	3,274	3,186
7	Uranium ²	Mill. lb.....	23.1	43.7	26.9	21.2	14.9	11.3	13.5
8	Industrial minerals.....	(x).....	(x)	(x)	(x)	(x)	(x)	(x)	(x)
9	Abrasive stone ³	Sh. ton.....	3,055	631	1,285	1,101	1,290	1,157	1,073
10	Asbestos.....	1,000 sh. ton.....	125	88	70	77	63	63	57
11	Asphalt and related bitumens (native) ⁴	1,000 sh. ton.....	1,881	1,252	(D)	(D)	(D)	(D)	(D)
12	Barite.....	1,000 sh. ton.....	854	2,245	1,845	754	775	739	297
13	Boron minerals.....	1,000 sh. ton.....	1,041	1,545	1,234	1,303	1,367	1,269	1,251
14	Bromine.....	Mill. lb.....	350	378	401	370	385	320	310
15	Calcium chloride.....	1,000 sh. ton.....	633	561	617	(D)	638	(D)	(D)
16	Carbon dioxide, natural (estimate).....	Mill. cu. ft.....	1,110	1,628	2,088	-	-	-	-
17	Cement: Portland.....	Mill. sh. ton.....	73.2	71.6	61.1	67.2	74.4	74.6	75.2
18	Masonry.....	Mill. sh. ton.....	3.0	3.0	2.4	2.9	3.3	3.3	3.5
19	Clays.....	Mill. sh. ton.....	54.9	48.8	35.3	40.9	43.7	45.0	44.6
20	Diatomite.....	1,000 sh. ton.....	598	689	613	619	627	635	628
21	Feldspar.....	1,000 sh. ton.....	726	710	615	710	710	700	735
22	Fluorspar.....	1,000 sh. ton.....	289	93	77	61	72	66	78
23	Garnet (abrasive).....	1,000 sh. ton.....	18.8	26.9	27.3	29.8	29.6	38.7	32.3
24	Gem stones (estimate).....	(x).....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
25	Gypsum.....	Mill. sh. ton.....	9.4	12.4	10.5	12.9	14.3	14.7	15.8
26	Helium ⁵	Mill. cu. ft.....	4,600	1,458	1,248	1,299	1,642	1,865	1,941
27	Lime.....	Mill. sh. ton.....	19.7	19.0	14.1	14.9	15.9	15.7	14.5
28	Magnesium compounds ⁷	1,000 sh. ton.....	708	(D)	(D)	618	(D)	(D)	(D)
29	Mica: Scrap.....	1,000 sh. ton.....	119	116	106	140	161	138	148
30	Peat.....	1,000 sh. ton.....	526	788	769	725	814	882	1,038
31	Perlite.....	1,000 sh. ton.....	456	838	506	474	498	518	507
32	Phosphate rock.....	Mill. sh. ton.....	38.7	60.0	41.2	48.9	54.2	56.0	44.4
33	Potash ⁸	1,000 sh. ton.....	2,729	2,444	1,957	1,666	1,807	1,396	1,264
34	Pumice.....	1,000 sh. ton.....	3,036	543	416	449	502	508	554
35	Pyrites.....	1,000 lg. ton.....	(D)	834	665	(D)	(D)	(D)	(D)
36	Salt (common).....	Mill. sh. ton.....	45.9	40.4	37.9	34.6	39.2	40.1	36.7
37	Sand and gravel.....	Mill. sh. ton.....	944	793	621	682	803	830	910
38	Sodium carbonate (natural).....	1,000 sh. ton.....	2,688	(D)	(D)	(D)	(D)	(D)	(D)
39	Sodium sulfate (natural).....	1,000 sh. ton.....	602	583	(D)	423	435	389	396
40	Stone ⁹	Mill. sh. ton.....	869	982	791	863	957	1,002	1,024
41	Sulfur: Frasch mines (shipments).....	1,000 lg. ton.....	6,504	7,283	3,541	4,046	4,922	4,804	4,043
42	Talc, soapstone, pyrophyllite.....	1,000 sh. ton.....	1,028	1,473	1,135	1,068	1,127	1,269	1,302
43	Tripoli.....	1,000 sh. ton.....	68	121	113	111	124	(D)	117
44	Vermiculite.....	1,000 sh. ton.....	285	337	316	282	315	314	317
45	Nonmetallic minerals, undistributed ¹⁰	(x).....	(x)	(x)	(x)	(x)	(x)	(x)	(x)
46	Metals.....	(x).....	(x)	(x)	(x)	(x)	(x)	(x)	(x)
47	Antimony ore and concentrate.....	Sh. ton ¹¹	1,130	343	503	838	557	(D)	(D)
48	Bauxite (dried).....	1,000 lg. ton ¹²	2,082	1,534	720	668	642	663	502
49	Copper ²	1,000 sh. ton.....	1,720	1,302	1,264	1,144	1,215	1,219	1,265
50	Gold ²	1,000 fine oz.....	1,743	970	1,466	2,003	2,065	2,427	3,733
51	Iron ore, usable ¹⁴	Mill. lg. ton ¹⁶	87.2	69.6	35.8	44.3	(D)	(D)	(D)
52	Lead ²	1,000 sh. ton.....	572	607	585	495	356	456	375
53	Manganiferous ore ¹⁶	1,000 sh. ton ¹⁶	368	174	32	34	88	20	14
54	Mercury.....	76 lb. flask.....	27,296	30,657	25,760	25,070	19,048	16,530	(D)
55	Molybdenum ¹⁷	Mill. lb.....	110	149	76	49	104	108	94
56	Nickel ¹⁸	1,000 sh. ton.....	15.9	14.7	3.2	-	9.6	6.1	1.7
57	Silver ²	Mill. fine oz.....	45.0	32.3	40.2	43.4	44.6	39.4	34.2
58	Titanium concentrate: Ilmenite ²	1,000 sh. ton ¹⁶	921	594	233	(D)	(D)	(D)	(D)
59	Tungsten ore and concentrate.....	1,000 lb. ¹⁹	9,312	6,036	3,473	2,240	2,652	2,196	1,720
60	Vanadium ²	Sh. ton.....	5,319	4,806	4,098	2,171	1,617	(D)	(D)
61	Zinc mine production ²	1,000 sh. ton.....	534	350	334	303	279	250	224
62	Metals, undistributed ¹⁰	(x).....	(x)	(x)	(x)	(x)	(x)	(x)	(x)

- Represents zero. D Withheld to avoid disclosing individual company data. NA Not available. X Not applicable. ¹ 42 gal. bbl. ² Recoverable content of ores, etc. ³ Grindstones, pulpstones, millstones, grinding pebbles, sharpening stones, and tubemill liners. ⁴ Contains bituminous limestone and sandstone, and gilsonite. ⁵ Value included in "Industrial minerals, undistributed." ⁶ 1970 and 1980, crude and refined; thereafter, refined only. ⁷ From sea water and brines, except for metals (M₂O equiv.). ⁸ K₂O equivalent; represents sales by producers. ⁹ Excludes abrasive stone, bituminous limestone and sandstone, and ground soapstone, all included elsewhere in table. Includes calcareous marl and slate.

AND PRINCIPAL PRODUCING STATES, 1986

(including consumption by producers). See *Historical Statistics, Colonial Times to 1970*, series M 13-37 for selected values]

PRODUCTION VALUE (mil. dol.)							Principal producing States ranked by quantity, 1986	
1970	1980	1982	1983	1984	1985	1986		
28,388.7	146,750.0	178,137.9	168,868.4	178,201.0	187,904.5	(NA)	(X)	1
18,800.0	121,816.0	158,470.8	147,748.4	188,040.0	144,671.5	93,801.7	(X)	2
3,770.0	20,200.0	22,620.0	20,110.0	22,749.8	22,082.9	21,000.6	KY, WY, WV, PA, IL	3
110.0	280.0	230.0	210.0	202.5	215.3	189.8	PA	4
3,730.0	32,080.0	45,580.0	43,570.0	48,491.8	43,187.0	32,574.5	TX, LA, OK, NM	5
11,180.0	67,930.0	90,030.0	83,050.0	84,110.0	78,870.7	39,831.7	TX, AK, LA, CA	6
(NA)	1,136.0	1,030.9	808.4	485.9	355.6	405.3	NM, TX, WY	7
5,791.2	18,213.0	14,188.0	16,283.0	17,157.0	17,612.0	(NA)	(X)	8
.8	1.9	.6	.5	.6	.5	(NA)	AR, WI, OH	9
10.7	30.6	24.9	27.9	24.2	20.5	(NA)	CA and VT	10
8.9	25.0	(D)	(D)	(D)	(D)	(NA)	TX and UT	11
12.8	68.0	69.5	29.2	25.4	21.5	(NA)	NV, GA, MO, MT	12
88.8	388.8	384.8	439.2	456.7	404.8	(NA)	CA	13
80.8	96.4	102.6	91.0	95.0		(NA)	AR and MI	14
15.2	47.9	61.5	(D)	93.0	(D)	(NA)	MI, CA, WA	15
.2	2.6	3.4	-	-	-	(NA)	(X)	16
1,288.7	3,813.3	3,084.4	3,315.7	3,810.4	3,817.3	(NA)	TX, CA, PA, MI	17
67.5	188.5	145.2	168.2	219.9	213.1	(NA)		18
267.9	888.9	825.1	831.1	1,032.1	1,011.4	(NA)	GA, TX, NC, WY	19
32.6	100.8	107.6	114.9	120.9	127.0	(NA)	CA, NV, WA, OR	20
9.6	23.2	20.3	22.5	23.5	22.8	(NA)	NC, CT, GA, CA	21
13.9	12.6	13.3	10.0	(D)	(D)	(NA)	IL, NV, TX	22
1.9	1.9	2.3	2.5	2.5	3.0	(NA)	ID, ME, NY	23
2.4	8.9	7.2	7.4	7.5	7.4	(NA)	(X)	24
35.1	103.1	89.1	101.4	113.7	114.2	(NA)	TX, MI, IA, OK	25
64.2	30.2	42.4	45.5	61.6	89.9	(NA)	KS, TX, NM	26
268.2	842.9	696.2	757.8	811.2	809.0	(NA)	OH, KY, MD, PA	27
62.4	(D)	(D)	162.5	(D)	(D)	(D)	MI, CA, UT, TX	28
2.5	8.3	6.4	8.5	7.1	8.3	(NA)	NC, NM, SC, GA	29
8.0	16.2	16.9	18.7	18.9	21.9	(NA)	MI, FL, IN, IL	30
4.9	18.5	15.0	15.7	16.6	17.2	(NA)	NM, CA, AZ, NV	31
203.2	1,256.9	950.3	1,021.1	1,162.2	1,203.3	(NA)	FL, NC, ID, TN	32
98.1	353.9	266.6	220.8	241.8	178.4	(NA)	NM, UT, CA	33
4.7	4.3	3.8	4.5	4.9	4.6	(NA)	OR, NM, CA, ID	34
(D)	13.8	41.9	(D)	(D)	(D)	(NA)	TN, CO, AZ	35
304.8	856.2	671.4	587.1	875.1	741.8	(NA)	LA, TX, NY, OH	36
1,115.7	2,289.0	1,997.8	2,270.2	2,621.2	2,812.1	(NA)	CA, TX, MI, AZ	37
58.3	(D)	(D)	(D)	(D)	(D)	(NA)	WY and CA	38
10.9	38.4	(D)	39.4	40.1	35.9	(NA)	CA, TX, UT	39
1,474.9	3,383.5	3,056.0	3,474.8	3,910.5	4,224.7	(NA)	TX, FL, PA, GA	40
151.8	720.5	434.7	414.2	546.1	573.8	(NA)	TX and LA	41
7.8	25.6	20.7	20.3	23.2	29.2	(NA)	MT, TX, VT, NY	42
.5	.7	.7	.7	.7	(D)	(NA)	IL and OK	43
8.5	23.5	28.5	27.2	31.5	32.4	(NA)	MT, SC, VA	44
34.4	941.2	958.3	867.5	837.9	1,007.9	(NA)	(X)	45
3,778.5	8,921.8	5,917.0	5,867.0	8,004.0	8,821.0	(NA)	(X)	46
(D)	(D)	(D)	(D)	(D)	(D)	(D)	ID	47
30.1	22.4	12.3	11.9	15.6	12.9	10.4	AR and AL	48
1,984.5	2,888.9	1,840.9	1,751.5	1,625.1	1,832.5	1,670.7	AZ, NM, MI, MT	49
83.4	584.1	551.0	849.1	751.9	771.0	1,374.7	NV, CA, SD, MT	50
941.7	2,543.5	1,491.7	1,838.5	(D)	(D)	(D)	MN, MI, MO	51
178.6	515.2	288.8	214.7	181.7	174.0	165.2	MO, ID, CO, NY, MT	52
(D)	2.4	.3	.2	.9	(D)	(D)	SC	53
11.1	11.9	(D)	(D)	(D)	(D)	(D)	NV	54
180.1	1,344.2	504.1	166.6	328.8	347.8	(NA)	CO, AZ, ID, NM	55
(D)	(D)	(D)	-	(D)	(D)	(NA)		56
79.7	667.3	320.0	498.9	383.0	242.2	187.2	ID, NV, MT, AZ	57
18.8	32.0	19.1	(D)	(D)	(D)	(D)	FL	58
23.8	50.6	22.1	10.5	13.4	9.1	5.8	CA and CO	59
34.9	64.4	52.6	30.7	(D)	(D)	(D)	ID, CO, UT	60
183.7	281.7	257.1	251.2	270.8	201.6	170.1	TN, MO, NY, CO	61
58.4	144.8	157.6	135.6	2,426.0	2,235.0	1,563.0	(X)	62

¹² Comprises value of items that cannot be disclosed.¹³ Antimony content.¹⁴ Included with "Metals, undistributed."¹⁵ Dried equivalent.¹⁶ Represents shipments; includes byproduct ores.¹⁷ Gross weight.¹⁸ 5 to 35 percent manganese.¹⁹ Content of concentrate.²⁰ Content of ore and concentrate.²¹ Tungsten content.Source: U.S. Bureau of Mines, *Minerals Yearbook*; Beginning 1980 for mineral fuels, U.S. Energy Information Administration, *Annual Energy Review*, *Uranium Industry Annual*, *Petroleum Supply Annual*, vol. 1, *Natural Gas Annual*, and *Quarterly Coal Report*.

NO. 1178. MINERAL PRODUCTION—VALUE, 1980 TO 1986, AND PRINCIPAL MINERALS IN ORDER OF VALUE, 1986, BY STATE

(In millions of dollars. Data for States may not add to total because State and U.S. totals were independently derived. For composition of regions, see fig. 1, inside front cover)

REGION, DIVISION, AND STATE	1980	1981	1982	1983	1986			
					Total	Fuels	Non-fuels	Principal minerals in order of value
U.S.	146,780	169,888	179,201	167,905	(NA)	88,283	23,483	Petroleum, natural gas (wtg), coal.
Region:								
Northeast	4,710	4,476	5,131	5,007	(D)	2,709	(D)	(X)
Midwest	16,286	17,128	18,842	17,057	(D)	(D)	(D)	(D)
South	78,072	(D)	(D)	(D)	(D)	(D)	(D)	(D)
West	29,292	(D)	(D)	(D)	(D)	(D)	(D)	(D)
N.E.	288	282	306	288	375	-	375	(X)
ME	37	28	38	41	53	-	53	Cement, sand and gravel, stone.
NH	25	19	23	33	39	-	39	Sand and gravel, stone, clays.
VT	43	42	45	50	55	-	55	Stone, sand and gravel, talc.
MA	81	96	107	117	134	-	134	Sand and gravel, stone, lime.
RI	6	8	12	12	14	-	14	Sand and gravel, stone, gem stones.
CT	68	71	80	72	80	-	80	Stone, sand and gravel, feldspar.
N.A.	4,442	4,214	4,226	4,882	4,418	2,788	1,707	(X)
NY	557	603	736	780	782	114	678	Stone, cement, salt.
NJ	149	155	155	178	188	-	188	Stone, sand and gravel, zinc.
PA	3,736	3,456	3,294	3,714	3,436	2,565	843	Coal, natural gas, cement.
E.M.C.	9,095	9,146	10,453	9,538	(D)	5,888	2,808	(X)
OH	2,390	2,511	2,857	2,740	2,507	1,897	610	Coal, natural gas, petroleum.
IN	1,106	1,187	1,391	1,227	1,200	885	305	Coal, stone, cement.
IL	2,770	2,829	3,212	3,101	2,714	2,244	470	Coal, petroleum, stone.
MI	2,567	2,417	2,824	2,537	2,114	661	1,253	(NA)
WI	152	101	128	125	185	-	185	Sand and gravel, stone, lime.
W.M.C.	7,281	7,863	8,455	7,831	(D)	(D)	2,782	(X)
NH	1,782	1,455	1,576	1,548	1,126	-	1,126	Iron ore, sand and gravel, stone.
IA	265	257	288	243	282	13	248	Stone, cement, sand and gravel.
MO	1,172	886	908	883	(D)	(D)	(D)	(NA)
ND	801	1,842	1,857	1,700	982	941	21	Petroleum, coal, natural gas.
SD	250	251	244	254	261	28	233	(NA)
NE	272	283	285	283	181	87	94	Petroleum, cement, sand and gravel.
KB	2,740	3,018	3,181	2,910	1,881	1,563	318	Petroleum, natural gas, cement.
S.A.	10,836	(D)	(D)	10,888	(D)	(D)	3,988	(X)
DE ¹	2	3	3	4	4	-	4	Magnesium compounds, sand and gravel, greensand.
MD	293	295	358	338	413	100	313	Stone, coal, cement.
VA	1,708	1,405	1,814	1,848	(D)	(D)	283	(NA)
WV	4,680	4,677	5,157	5,005	4,689	4,588	130	Coal, natural gas, petroleum.
NC	380	388	451	433	485	-	485	Stone, phosphate, bitumen.
SC	185	231	278	278	298	-	298	Cement, stone, clays.
GA	771	(D)	(D)	848	1,081	-	1,081	Clays, stone, cement.
FL	2,317	1,704	1,980	1,829	(D)	(D)	1,255	Phosphate, cement, stone.
S.E.C.	5,316	5,789	5,789	5,488	(D)	(D)	1,285	(X)
KY	4,486	4,310	4,891	4,880	4,482	4,215	267	Coal, stone, natural gas.
TN	674	639	734	715	(D)	(D)	482	(NA)
AL	1,984	2,308	2,531	2,550	2,082	1,857	405	Coal, natural gas, petroleum.
MS	1,160	1,504	1,554	1,341	803	702	101	Petroleum, natural gas, sand and gravel.
W.S.C.	58,228	(D)	(D)	(D)	(D)	(D)	2,888	(X)
AR	787	(D)	(D)	(D)	(D)	(D)	283	(NA)
LA	18,386	29,083	31,715	(D)	(D)	(D)	447	(NA)
OK	7,336	9,942	10,898	8,381	5,748	5,502	247	Natural gas, petroleum, stone.
TX	34,710	42,615	43,418	40,178	24,649	22,937	1,712	Petroleum, natural gas, coal.
Mt.	18,882	(D)	(D)	(D)	(D)	(D)	4,828	(X)
MT	1,331	1,671	1,850	1,517	1,134	887	237	(NA)
ID	522	415	412	348	247	-	247	Silver, phosphate, molybdenum.
WY	5,133	6,877	7,143	6,572	3,588	3,042	558	Coal, petroleum, natural gas.
CO	2,544	2,117	2,255	2,125	1,464	1,094	370	Petroleum, coal, natural gas.
NM	4,769	5,487	5,824	5,850	3,482	2,850	612	Natural gas, petroleum, coal.
AZ	2,476	(D)	(D)	(D)	(D)	(D)	1,556	(NA)
UT	1,861	2,035	2,134	1,843	1,481	1,087	374	Petroleum, coal, natural gas.
NV	408	629	885	710	(D)	(D)	977	(NA)
Pac.	20,408	(D)	(D)	(D)	(D)	(D)	2,833	(X)
WA	207	(D)	(D)	(D)	(D)	(D)	377	(NA)
OR	152	111	126	140	136	9	126	Stone, sand and gravel, cement.
CA	10,483	11,979	12,907	(D)	8,262	5,983	2,289	Petroleum, natural gas, cement.
AK	8,498	(D)	(D)	(D)	(D)	(D)	91	(NA)
HI	60	52	51	53	70	-	70	Stone, cement, sand and gravel.

- Represents zero.

¹ Partial data only.

D Withheld to avoid disclosing individual company data.

NA Not available.

X Not applicable.

Source: U.S. Bureau of the Census. Compiled from data from U.S. Bureau of Mines and U.S. Energy Information Administration.

No. 1178. MINERAL INDUSTRIES—GROSS ASSETS AND CAPITAL EXPENDITURES: 1972 TO 1982

(In millions of dollars)

INDUSTRY AND YEAR	END OF YEAR GROSS VALUE OF DEPRECIABLE ASSETS					CAPITAL EXPENDITURES					
	Total ¹	Buildings and other structures	Machinery and equipment	Mineral exploration and development ¹	Mineral land and rights ¹	Total ²	New buildings and other structures	New machinery and equipment	Used buildings and other structures	Used machinery and equipment	Mineral exploration and development ³
Mineral industries: ⁴											
1972	21,860	4,244	15,036	(⁵)	* 2,409	2,802	317	1,407	(⁵)	* 128	230
1977	44,864	8,089	33,036	2,525	2,871	6,802	785	5,089	30	398	520
1982	94,613	10,228	73,419	5,038	5,930	13,472	1,229	10,551	78	937	677
Crude petroleum, natural gas:											
1972	47,500	(NA)	(NA)	(NA)	(NA)	2,854	403	842	(⁵)	* 44	1,066
1977	94,414	(NA)	(NA)	(NA)	(NA)	10,916	571	2,289	14	93	7,069
1982	238,052	(NA)	(NA)	(NA)	(NA)	34,281	1,987	5,550	20	215	26,529

NA Not available. ¹ Excludes data for mineral exploration and development, and mineral land and rights portions for mining service industries and natural gas liquids industry. ² Excludes data for mineral exploration and development portion for mining service industries and natural gas liquids industry. ³ Excludes crude petroleum and natural gas. ⁴ Not collected separately. Data for mineral exploration and development are combined with mineral land and rights. Data for used buildings and other structures are combined with used machinery and equipment.

Source: U.S. Bureau of the Census, *Census of Mineral Industries, 1982*.

No. 1180. MINERAL INDUSTRIES—EMPLOYMENT, HOURS, AND EARNINGS: 1984 TO 1987

ITEM	Unit	1984	1985	1986	1987	ITEM	Unit	1984	1985	1986	1987
All mining:						Metal mining:					
All employees	1,000	966	927	777	721	All employees	1,000	55	45	41	43
Production workers	1,000	689	658	545	515	Production workers	1,000	40	34	31	33
Average weekly hours	No	43.3	43.4	42.2	42.4	Average weekly hours	No	40.5	40.9	41.1	42.0
Avg. weekly earnings	Dol	504	520	526	531	Avg. weekly earnings	Dol	529	547	542	542
Coal mining:						Nonmetallic minerals, except fuels:					
All employees	1,000	196	187	176	163	All employees	1,000	109	110	110	110
Production workers	1,000	159	153	144	133	Production workers	1,000	83	84	83	84
Average weekly hours	No	40.6	41.3	40.8	42.2	Average weekly hours	No	44.7	44.5	44.5	45.4
Avg. weekly earnings	Dol	503	526	525	552	Avg. weekly earnings	Dol	441	453	452	452
Oil and gas extraction:											
All employees	1,000	507	553	451	405						
Production workers	1,000	405	387	287	264						
Average weekly hours	No	44.4	44.2	42.6	41.7						
Avg. weekly earnings	Dol	475	489	495	480						

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings, United States 1986-1984*, and *Supplement to Employment and Earnings, Revised Establishment Data, August 1988*.

No. 1181. SELECTED MINERAL PRODUCTS—AVERAGE PRICES: 1970 TO 1987

(Excludes Alaska and Hawaii, except as noted. See *Historical Statistics, Colonial Times to 1970*, series M 95, M 139, M 209, M 248, and M 252, for bituminous coal, crude petroleum, iron ore, lead, and aluminum, respectively)

YEAR	Tantalum (dol. per lb.) ¹	Copper, electrolytic ² (cents per lb.)	Platinum ³ (dol./troy oz.)	Gold (dol./fine oz.)	Silver (dol./fine oz.)	Lead ⁴ (cents per lb.)	Tin (New York) ⁵ (cents per lb.)	Zinc ⁶ (cents per lb.)	Sulfur, crude ⁷ (dol./metric ton)	Bituminous coal ⁸ (dol./short ton)	Crude petroleum ⁹ (dol./bbl.)	Natural gas ¹⁰ (dol./thous. cu. ft.)
1970	9.15	58.2	133	38	1.77	15.7	174.2	15.3	* 22.77	6.26	3.16	17
1975	16.32	64.2	184	161	4.42	21.5	339.8	38.0	* 44.91	19.23	7.67	.45
1976	20.31	69.6	182	125	4.35	23.1	379.6	37.1	* 45.72	19.43	8.19	.56
1977	25.64	66.8	162	148	4.62	30.7	534.6	34.4	* 45.72	19.82	8.57	.79
1978	34.18	66.5	237	194	5.40	33.7	629.6	31.0	45.17	21.78	9.00	.91
1979	60.00	93.3	352	306	11.09	52.6	753.9	37.3	55.75	23.65	12.84	1.10
1980	128.37	101.3	439	613	20.63	42.5	846.0	37.4	69.08	24.52	21.59	1.59
1981	98.51	64.2	475	480	10.52	36.5	733.0	44.6	111.48	28.29	31.77	1.89
1982	49.95	72.8	475	376	7.95	25.5	654.0	36.5	108.27	27.14	28.52	2.48
1983	30.80	76.5	475	424	11.44	21.7	655.0	41.4	87.24	25.65	26.19	2.59
1984	37.44	66.8	475	361	8.14	25.6	623.8	48.6	94.31	25.51	25.88	2.66
1985	33.65	67.0	475	318	6.14	19.1	595.9	40.4	106.48	25.10	24.99	2.51
1986	23.74	65.1	519	366	5.47	22.1	383.0	35.0	105.22	23.70	12.51	1.94
1987, prel.	27.08	62.5	600	448	7.01	35.9	419.0	41.9	69.76	23.00	15.41	1.71

¹ Dollars per pound of tantalum content. ² Domestic market. ³ Average annual producer prices. ⁴ 1970, New York prices; beginning 1975, nationwide delivered basis. ⁵ Starts in through 1975; thereafter, composite price. ⁶ Prime western. ⁷ Beginning 1975, delivered price. ⁸ F.O.B. works. ⁹ Average value at the point of production. Source: U.S. Energy Information Administration, *Annual Energy Review*. ¹⁰ Per long ton.

Source: Except as noted, U.S. Bureau of Mines, *Mineral Facts and Problems*, 1980 edition, and *Mineral Commodity Summaries*, annual.

NO. 1182. PRINCIPAL FUELS, NONMETALS, AND METALS—U.S. PRODUCTION AS PERCENT OF WORLD PRODUCTION: 1970 TO 1986

MINERAL	WORLD PRODUCTION							PERCENT U.S. OF WORLD					
	Unit	1970	1980	1983	1984	1985	1986, prel.	1970	1980	1983	1984	1985	1986, prel.
Fuels:													
Coal	BL. sh. ton	3.3	4.2	4.4	4.6	4.8	5.0	18	20	18	18	18	18
Petroleum (crude)	BL. bbl	18.7	21.8	18.3	18.7	18.4	20.3	21	14	18	18	17	16
Natural gas (dry, marketable)	Tril. cu. ft.	37.7	53.3	54.5	58.3	62.2	63.3	58	38	28	28	28	25
Natural gas plant liquids	BL. bbl	(NA)	1.3	1.4	1.6	1.8	1.7	(NA)	44	40	37	36	34
Nonmetals:													
Asbestos	ML. metric ton	3.5	4.7	4.3	4.1	4.7	4.5	3	2	2	1	1	1
Berite	ML. sh. ton	4.3	8.3	8.0	8.4	8.6	8.4	20	27	13	12	11	5
Feldspar	ML. sh. ton	2.8	3.5	3.9	4.2	4.5	4.6	25	20	18	17	16	16
Fluorapatite	ML. sh. ton	4.5	5.3	4.7	5.3	5.4	5.4	4	2	1	1	1	1
Gypsum	ML. sh. ton	66.0	86.5	86.5	89.0	93.8	96.5	17	13	15	18	18	18
Mica (incl. scrap)	1,000 sh. ton	180	251	268	304	278	290	46	48	53	53	50	51
Nitrogen, agricultural ²	ML. sh. ton	33.4	81.4	87.8	94.9	97.0	95.9	35	20	13	14	14	12
Phosphate rock	ML. metric ton	85	139	139	180	147	137	41	26	31	28	36	28
Potash (K ₂ O equiv.)	ML. metric ton	18.2	27.8	27.4	28.3	28.0	28.2	14	8	5	5	4	4
Sulfur, elemental	ML. metric ton	41.8	54.8	50.3	52.6	54.6	54.2	25	32	18	20	21	20
Metals, mine basis:													
Bauxite	ML. metric ton	57.8	89.2	78.9	89.2	84.3	85.9	4	2	1	1	1	1
Columbian concentrates (columbian content)	ML. lb.	(NA)	33.4	18.9	32.8	35.1	33.1	(NA)	-	-	-	-	-
Copper ³	ML. metric ton	8.0	7.7	7.7	8.0	8.1	8.2	25	18	13	14	14	14
Gold	ML. troy oz.	47.5	39.2	44.6	46.4	48.7	50.9	4	2	4	4	5	7
Iron ore	ML. lg. ton	754	877	720	822	840	848	12	8	8	6	8	5
Lead ³	ML. metric ton	3.4	3.4	3.4	3.3	3.4	3.2	15	18	14	10	13	11
Mercury	1,000 flask ⁴	284	197	181	196	196	178	10	18	14	10	9	(NA)
Molybdenum ³	ML. lb.	181	242	140	215	218	206	81	82	24	48	50	48
Nickel ³	1,000 sh. ton	893	858	742	847	882	898	2	2	-	2	1	(2)
Silver	ML. troy oz.	301	344	382	415	421	420	15	9	11	11	8	8
Tantalum concentrates (tantalum content)	ML. lb.	(NA)	1.2	7	7	7	4	(NA)	-	-	-	-	-
Titanium concentrates	ML. sh. ton	4.0	4.1	3.0	3.4	3.8	3.8	23	14	(NA)	(NA)	(NA)	(NA)
Tungsten	ML. lb.	71.4	114.8	90.2	101.7	102.5	98.8	13	5	2	2	2	2
Vanadium ³	1,000 sh. ton	18.9	38.3	30.8	34.3	32.2	32.5	28	15	7	5	(NA)	(NA)
Zinc ³	ML. metric ton	5.5	6.0	6.2	6.8	6.9	6.8	9	5	5	4	5	5
Metals, smelter basis:													
Aluminum	ML. sh. ton	10.6	18.9	13.9	17.3	16.8	16.0	37	30	24	25	23	20
Cadmium	ML. lb.	35.5	40.2	38.9	42.3	41.1	40.2	28	8	8	8	8	8
Copper	ML. metric ton	8.1	7.9	8.1	8.3	8.8	8.6	24	13	12	14	14	14
Iron, pig (incl. ferroalloys)	ML. sh. ton	474	586	510	547	555	547	18	12	10	10	8	8
Lead	ML. metric ton	3.3	5.4	5.3	5.5	5.6	5.4	18	23	18	20	20	18
Magnesium	1,000 sh. ton	242	348	288	380	382	389	46	48	40	44	41	38
Steel ingots and castings	ML. sh. ton	855	787	731	782	790	781	20	14	12	12	11	10
Tin	1,000 m. ton ⁵	227	249	212	200	197	180	(NA)	1	1	2	2	2
Zinc	ML. metric ton	4.8	6.0	6.2	6.5	6.8	6.8	18	9	5	5	5	5

- Represents zero. NA Not available. Z Less than .5 percent. ¹Source: Beginning 1980, Energy Information Administration, *International Energy Annual*. ²For fiscal years ending in year shown; see text, section 9. U.S. production includes Puerto Rico. ³Content of ore and concentrates. ⁴70-lb. flask. ⁵Excludes Soviet Union. ⁶ML=metric tons.

Source: Except as noted, U.S. Bureau of Mines, *Minerals Yearbook*, annual.

NO. 1183. FEDERAL STRATEGIC AND CRITICAL MATERIALS INVENTORY: 1980 TO 1987

(As of Dec. 31. Covers strategic and critical materials essential to military and industrial requirements in time of national emergency. Market values are estimated current trade values of similar materials and not necessarily amounts that would be realized at time of sale.)

MINERAL	Unit	QUANTITY ¹					VALUE (mil. dol.)				
		1983	1984	1985	1986	1987	1983	1984	1985	1986	1987
Tin	1,000 lg. ton	200	186	186	181	177	3,158	2,335	2,324	1,084	1,239
Silver	1,000 troy oz.	129,500	139,508	139,908	130,008	113,882	2,269	808	801	730	983
Cobalt	ML. lb.	41	48	53	53	53	1,020	508	580	600	380
Bauxite ²	1,000 lg. ton	14,333	18,954	17,867	18,212	18,212	583	779	871	983	380
Manganese ³	1,000 sh. ton	3,485	4,381	4,470	4,288	4,210	540	508	520	522	442
Tungsten ⁴	ML. lb.	62	88	87	86	84	535	805	388	280	287
Zinc	1,000 sh. ton	378	378	378	378	378	313	343	288	347	368
Titanium	1,000 sh. ton	21	32	37	37	37	301	368	405	275	385
Platinum	1,000 troy oz.	440	453	453	453	453	208	147	184	278	270
Chromium ⁵	1,000 sh. ton	783	784	884	883	918	747	788	836	870	986
Diamond:											
Stones	Carat	18,234	14,047	12,548	11,848	9,550	349	357	385	315	280
Industrial, bort	Carat	23,998	22,001	22,001	22,001	22,001	73	38	38	38	38

¹Consists of stockpile and nonstockpile grades and reflects uncommitted balances. ²Consists of abrasive grade, metallic grade, gemstone, and refractory. ³Consists of chemical grade, chloride battery natural, chloride battery synthetic, electrolytic, ferro-high carbon, ferro-med. carbon, ferro-alloy, and metal. ⁴Consists of carbide powder, ferro, metal powder, and ores and concentrates. ⁵Consists of ferro-high carbon, ferro-low carbon, ferro-alloy, and metal.

Source: U.S. General Services Administration, *Statistical Supplement, Stockpile Report to the Congress (AP-5)*.

No. 1194. SELECTED MINERAL AND METAL PRODUCTS—QUANTITY AND VALUE OF IMPORTS AND EXPORTS: 1985 TO 1995

[Imports represent imports for consumption. Exports include shipments under foreign aid programs. Includes trade of Puerto Rico with foreign countries]

PRODUCT		QUANTITY					VALUE (\$M. BIL.)				
		1985	1986	1987	1988	1989	1985	1986	1987	1988	1989
IMPORTS											
Petroleum (crude) ¹	MBL. bbl.	1,575	1,289	1,317	1,085	1,088	31,399	36,482	37,859	22,008	22,009
Gum stones: Diamonds	MBL. carat.	4.2	6.9	8.2	8.2	9.2	2,257	2,275	2,955	3,307	3,490
Ores and concentrates:											
Chromium (Cr, Cr ₂ O ₃ content)	1,000 sh. ton.	416	48	134	176	214	57	18	15	30	22
Copper	1,000 sh. ton.	56	169	12	3	5	79	82	10	2	3
Iron	MBL. sh. ton.	25.7	13.3	17.2	15.9	16.7	773	446	539	452	490
Tungsten	MBL. lb.	11.6	8.3	12.8	18.5	5.6	87	38	52	37	14
Metals:											
Aluminum	1,000 sh. ton.	581	816	872	958	1,487	776	1,021	1,290	1,217	1,693
Cobalt	MBL. lb.	15.8	15.8	23.3	16.6	11.7	358	110	203	181	85
Copper refined ingots, etc.	1,000 sh. ton.	471	597	480	416	553	935	701	821	482	677
Gold (bullion)	MBL. Troy oz.	4.1	3.6	8.0	6.4	13.8	2,937	1,576	2,394	2,708	3,107
Iron and steel products (major)	MBL. sh. ton.	16.2	17.8	27.3	25.5	27.7	7,113	1,129	1,396	12,874	8,199
Platinum group ²	MBL. Troy oz.	2.5	3.2	4.5	4.0	4.5	1,177	73	1,118	1,396	1,347
Silver (bullion)	MBL. Troy oz.	64.9	161.2	83.3	137.4	125.4	1,332	1,868	785	836	888
Zinc: Blocks, pigs, slabs	1,000 sh. ton.	452	691	705	679	733	316	594	636	309	497
EXPORTS											
Fuels: ¹											
Bituminous coal	MBL. sh. ton.	88.8	78.8	80.8	84.0	84.0	4,529	4,008	4,085	3,662	3,662
Petroleum (crude)	MBL. bbl.	30.8	6.8	5.8	8.0	6.0	751	224	166	117	117
Nonmetallic minerals:											
Gum stones: Diamonds	MBL. carat.	1.3	2.5	2.3	2.4	2.5	1,041	882	575	571	788
Nitrogen compounds (incl.)	MBL. sh. ton.	11.7	7.5	10.4	10.8	7.8	1,842	1,089	1,835	1,553	861
Phosphoric fertilizers ³	MBL. sh. ton.	7.2	6.8	8.2	6.1	5.8	1,383	885	1,390	1,225	97
Metals:											
Aluminum: Ingots, slabs, coils	1,000 sh. ton.	715	389	286	383	231	1,107	534	367	442	283
Plates, sheets, bars, etc.	1,000 sh. ton.	306	179	219	185	198	716	389	487	411	443
Gold (refined bullion)	MBL. Troy oz.	4.7	1.8	3.5	2.9	3.2	2,787	825	1,485	819	1,308
Iron and steel products (major)	MBL. sh. ton.	4.5	1.4	1.2	1.1	1.1	3,504	1,809	1,419	1,321	1,300
Magnesium ⁴	1,000 sh. ton.	55.8	46.7	46.3	46.3	44.6	128	125	157	114	122
Nickel: Blends ⁵	1,000 lb.	814	577	308	574	1,000	5	2	1	2	3
Silver (refined bullion)	MBL. Troy oz.	57.2	13.7	10.3	12.8	10.1	1,327	168	88	82	57
Scrap exports:											
Aluminum	1,000 sh. ton.	445	282	285	413	387	483	244	276	361	333
Iron and steel	MBL. sh. ton.	11.4	7.9	9.8	10.2	12.0	1,257	881	889	940	1,082

NA: Not available. ¹Source: U.S. Bureau of the Census, U.S. Imports for Consumption and General Imports, "COMMODITY AND COUNTRY, FT 246, annual; and U.S. Exports, Schedule B Commodity and Country, FT 446, annual. ²Unmelted and semimelted. ³Superphosphates and ammonium phosphates. ⁴Metals and alloys, crude and scrap, semimanufactured forms. ⁵Metals and alloys, crude and scrap.

Source: Except as noted, U.S. Bureau of Mines, Minerals Yearbook.

No. 1195. MINERAL INDUSTRIES—LOST WORKDAY INJURIES AND FATALITIES: 1980 TO 1987

[Excludes office workers. Lost workday injuries are nonfatal occurrences that result in days away from work, days of restricted work activity or a permanent disability. Data for all years includes injuries to independent contractors at mine sites. Beginning with 1983, rates for the non-coal industries are based only on employment and hours worked by mine employees. See also Reference Statistics, Coalmines 1980 to 1987, series M 271-286]

ITEM	1985	1986	1989	1987 ¹	ITEM	1980	1985	1989	1987 ¹
Coal mining:									
Injuries, total	10,822	9,141	9,482	11,730	Quarrying and related industries—Cont.				
Fatal	133	86	86	63					
Percent of total	7	7	9	5	Rate per million work-hours:				
Fatal	3	2	3	2	Total				
Nonfatal	43	27	29	40	Nonfatal				
Fatalities per 1,000 employed ²	56	36	50	37	Fatalities per 1,000 employed ²				
Quarrying and related industries: ³					Injuries, total				
					Fatal				
Injuries, total	3,551	2,571	2,819	3,148	Percent of total				
Fatal	42	26	20	22	Rate per million work-hours:				
Percent of total	1.2	1.0	7	7	Total				
Metal and nonmetal mining: ⁴					Nonfatal				
					Fatalities per 1,000 employed ²				
Injuries, total	6,829	5,234	5,218	5,818	Total				
Fatal	46	39	18	26	Nonfatal				
Percent of total	7	10	7	8	Fatal				
Rate per million work-hours:	2	2	1	8	Nonfatal				
Total	26	17	18	22	Fatalities per 1,000 employed ²				
Fatal	3	3	3	4					

¹ Preliminary. ² Average number of persons at work each day mines were active. ³ Includes cement. ⁴ Nonmetal mines exclude extraction of French process sulfur.

Source: U.S. Mine Safety and Health Administration, Denver, CO, unpublished data.

NO. 1166. NET U.S. IMPORTS OF SELECTED MINERALS AND METALS AS PERCENT OF APPARENT CONSUMPTION, 1970 TO 1986, AND BY MAJOR FOREIGN SOURCES, 1982-1986

[In percent. Figures based on net imports which equal the difference between imports and exports plus or minus government stockpile and industry stock changes]

MINERAL	1970	1980	1982	1983	1984	1985	1986	Rank of major foreign sources, 1982-1986
Columbium	100	100	100	100	100	100	100	Brazil, Canada, Thailand.
Mica (sheet)	100	100	100	100	100	100	(NA)	India, Belgium, France.
Strontium	100	100	100	100	100	100	(NA)	Mexico, Spain.
Manganese	95	98	99	98	98	100	100	Ore: Gabon, Brazil, South Africa.
Bauxite ¹	85	94	95	96	96	96	96	Minerals: Guinea, Jamaica, Brazil; Aluminum: Australia, Jamaica, Suriname.
Platinum group	78	69	61	60	59	62	62	South Africa, United Kingdom, Soviet Union.
Tantalum	96	80	92	97	92	89	91	Thailand, Brazil, Australia.
Cobalt	98	89	92	96	95	84	85	Zaire, Zambia, Canada.
Potassium	42	65	65	75	74	77	(NA)	Canada, Israel.
Chromium	69	91	85	78	80	75	79	South Africa, Turkey, Zimbabwe.
Nickel	71	71	76	75	68	72	75	Canada, Australia, Botswana.
Tin	61	79	68	73	74	72	74	Thailand, Malaysia, Bolivia, Indonesia.
Asbestos	63	78	74	66	75	71	(NA)	Canada, South Africa.
Zinc	54	60	58	65	68	70	73	Ore: Canada, Mexico, Honduras; Metallurgical: Canada, Mexico, Peru.
Barium	45	44	55	65	69	69	(NA)	Canada, Morocco, Chile.
Titanium ²	24	32	74	(D)	(D)	(D)	(D)	Australia, Canada, South Africa.
Silver	28	7	55	59	58	59	71	Canada, Mexico, United Kingdom.
Tungsten	55	53	42	52	70	68	70	Canada, China, Mainland, Bolivia.
Antimony	40	48	50	54	58	(D)	(D)	Metallurgical: China, Mainland, Mexico, Bolivia; Ore: Bolivia, Mexico, China.
Mercury	41	26	32	30	57	59	(D)	Spain, Algeria, Japan.
Cadmium	7	55	73	72	51	57	69	Canada, Australia, Mexico.
Selenium	11	56	55	39	47	(D)	(D)	Canada, United Kingdom, Japan.
Vanadium	21	35	24	26	54	(D)	(D)	Minerals: South Africa, Venezuela; Chemicals: E.E.C. ³ , Canada, South Africa.
Gypsum	39	36	35	40	39	38	(NA)	Canada, Mexico, Spain.
Petroleum ⁴	23	36	30	30	32	29	36	Mexico, Canada, Venezuela.
Iron ore	30	26	34	37	19	21	33	Canada, Brazil, Venezuela.
Copper	(D)	14	1	18	23	28	27	Chile, Canada, Peru.
Aluminum	(D)	(D)	7	17	7	16	26	Canada, Japan, Ghana.
Iron and steel	(D)	15	20	16	23	22	21	E.E.C. ³ , Japan, Canada.
Sulfur	(D)	14	4	15	18	5	(NA)	Canada, Mexico.
Natural gas ⁵	4	5	5	5	4	5	4	Canada, Algeria.

D: Withheld to avoid disclosure. NA: Not available. ¹ Includes alumina. ² Imports. ³ European Economic Community. ⁴ Includes crude and products. ⁵ Source: Beginning 1980, Energy Information Administration, *International Energy Annual*. ⁶ Net exports.

Source: Except as noted, U.S. Bureau of Mines, *Mineral Commodity Summaries*; import and export data from U.S. Bureau of the Census.

NO. 1167. PETROLEUM INDUSTRY—SUMMARY: 1970 TO 1987

ITEM	1970 ¹	1973	1975	1980	1981	1982	1983, est.	1984, est.	1985, est.	1986, est.	1987, proj.
Crude oil producing wells, total (Dec. 31) (1,000)	531	497	500	546	557	580	603	621	647	673	690
Daily output per well (bbl.)	18.0	16.3	16.8	15.9	15.4	14.9	14.4	14.3	13.9	13.5	13.4
Completed wells drilled, total (1,000)	29	29	39	70	80	84	75	64	69	39	34
Crude oil (1,000)	13	10	17	32	43	39	37	42	35	19	19
Gas (1,000)	4	7	8	17	20	19	14	17	14	6	9
Dry (1,000)	11	10	14	20	27	28	23	25	20	12	11
Crude oil production, total (mil. bbl.)	3,517	3,361	3,057	3,146	3,129	3,157	3,171	3,250	3,275	3,169	3,047
Value of wells (bil. dol.)	11.2	13.1	23.5	67.9	69.4	60.0	63.1	64.1	79.9	40.0	46.7
Average price per barrel (dol.)	3.18	3.89	7.67	21.59	31.77	19.30	20.19	25.89	24.09	12.51	15.41
Refinery input of crude oil	3,999	4,537	4,541	4,834	4,562	4,297	4,295	4,408	4,391	4,511	4,892
Imports: Crude oil (mil. bbl.)	483	1,184	1,408	1,808	1,808	1,273	1,215	1,254	1,199	1,525	1,771
Refined petroleum products (mil. bbl.)	795	1,090	712	803	584	583	629	736	891	747	731
Import value (mil. dol.)	2,743	7,736	25,089	74,440	75,576	59,587	51,333	64,310	60,398	34,780	44,279
Export value (mil. dol.)	520	575	1,007	2,871	3,615	6,330	5,100	4,801	5,121	3,983	3,882
Operable refineries, number	278	278	279	319	324	301	298	247	229	216	216
Capacity (Jan. 1) (mil. bbl.)	4,399	4,979	5,461	6,584	6,796	6,530	6,154	5,807	5,718	5,543	5,893
Output (mil. bbl.)	4,431	5,057	4,895	5,352	5,109	4,989	4,795	5,007	5,019	5,301	5,339
Utilization rate (per cent)	92.8	89.9	89.5	75.4	69.6	69.9	71.7	79.2	77.5	82.9	82.9
Proved reserves (bil. bbl.)	39.0	35.3	32.7	29.6	29.4	27.9	27.7	26.4	25.4	25.9	(NA)

NA: Not available. ¹ Represents peak year for U.S. crude oil production.

Source: U.S. Energy Information Administration, *Annual Energy Review*, and *Petroleum Supply Annual*.

No. 1188. U.S. PETROLEUM BALANCE: 1980 TO 1987

(In millions of barrels)

ITEM	1980	1981	1982	1983	1984	1985	1986	1987
Petroleum products supplied	6,242	5,861	5,883	5,883	5,786	5,740	5,942	6,083
New supply of products	6,249	5,828	5,499	5,471	5,800	5,676	5,905	6,053
Production of products	5,765	5,432	5,204	5,180	5,382	5,363	5,604	5,680
Crude input to refineries	4,934	4,552	4,297	4,285	4,408	4,361	4,641	4,682
Oil field production	3,146	3,129	3,157	3,171	3,250	3,275	3,168	3,047
Alaska	582	587	619	626	631	686	681	716
Lower 48 States	2,555	2,541	2,538	2,545	2,619	2,606	2,487	2,331
Net imports	1,821	1,522	1,187	1,155	1,168	1,084	1,468	1,861
Imports (gross excluding SPR) ¹	1,910	1,511	1,213	1,130	1,182	1,125	1,507	1,879
SPR ¹ imports	18	93	80	85	72	43	18	27
Exports	-106	83	88	80	68	75	58	55
Other sources	39	-98	-46	61	29	12	4	7
Natural gas plant liquids (NGL), supply	577	583	578	570	588	604	575	585
Other liquids	253	267	329	326	371	378	388	403
Net imports of refined products	484	387	295	311	407	313	391	373
Imports	578	531	506	520	604	523	621	586
Exports	94	124	211	210	197	210	229	223
Stock withdrawal, refined products	7	33	84	86	44	64	53	30
Ending stocks, all oils	1,382	1,484	1,430	1,454	1,558	1,518	1,583	1,807
Crude oil and lease condensate	358	363	350	344	345	321	331	349
Strategic petroleum reserve (SPR) ¹	108	230	294	379	451	493	512	541
Unfinished oils	124	111	105	108	94	107	94	83
Gasoline blending components	17	50	42	38	39	33	39	38
Petroleum plus	(NA)	18	11	16	8	8	7	7
Finished refined products	785	713	828	888	821	857	888	880
PRODUCT TYPE SUPPLIED								
Total products	6,242	5,861	5,883	5,883	5,786	5,740	5,942	6,083
Finished motor gasoline	2,407	2,404	2,387	2,417	2,448	2,493	2,587	2,630
Distillate fuel oil	1,048	1,032	975	962	1,041	1,047	1,084	1,088
Residual fuel oil	918	782	827	519	501	439	518	482
Liquefied petroleum gases ²	414	535	547	551	578	684	552	588
Petroleum plus, other liquids, etc.	1,454	1,128	1,047	1,067	1,165	1,155	1,223	1,304
Crude oil	(NA)	(NA)	(NA)	24	23	22	18	12

NA Not available. ¹ SPR=Strategic petroleum reserve. For more information, see table 847. ² Includes ethane.

Source: U.S. Energy Information Administration, *Petroleum Supply*, annual.

No. 1189. CRUDE PETROLEUM AND NATURAL GAS—PRODUCTION, BY STATE: 1980 TO 1987

[See *Historical Statistics, Colonial Times to 1970*, series M 138 and M 142 for petroleum production, and series M 147-181 for natural gas production]

STATE	CRUDE PETROLEUM PRODUCTION (mil. bbl.)							NATURAL GAS MARKETING PRODUCTION ¹ (Bil. cu. ft.)						
	1980	1981	1982	1983	1984	1985	1987	1980	1981	1982	1983	1984	1985	1987, pre
Total ²	3,147	3,157	3,171	3,241	3,274	3,186	3,047	20,180	18,620	16,822	16,230	17,188	16,781	17,155
AL	22	20	19	20	22	21	21	65	75	91	102	107	107	117
AK	582	519	626	630	686	681	716	231	264	277	289	321	305	360
AR	18	19	19	19	19	18	14	112	125	128	135	155	131	132
CA	357	402	405	412	424	407	365	310	384	415	478	491	482	428
CO	30	31	29	29	30	29	29	188	210	184	173	178	184	183
FL	43	26	19	14	11	9	8	41	23	21	13	11	8	8
IL	23	28	29	29	30	27	24	2	1	1	2	1	2	(NA)
IN	5	6	5	6	5	5	4	(2)	(2)	(2)	(2)	(2)	(2)	(NA)
KS	80	71	72	78	75	67	60	735	430	435	466	513	488	395
KY	6	7	8	8	8	6	6	57	52	47	62	73	80	(NA)
LA	489	458	480	515	508	512	437	6,839	5,172	5,332	5,825	5,014	4,895	5,098
MI	34	31	32	31	27	26	28	158	153	139	145	132	127	162
MS	36	33	31	33	31	30	28	175	167	151	158	144	141	138
MT	30	31	29	30	30	27	25	52	57	52	51	52	47	48
NE	6	7	6	6	7	7	6	3	2	2	2	2	1	(NA)
NM	75	71	75	79	79	76	72	1,150	991	895	957	905	703	818
NY	1	1	1	1	1	1	1	16	16	18	25	32	30	(NA)
ND	40	47	51	53	51	46	41	42	54	89	70	73	55	83
OH	13	15	15	15	15	13	12	138	138	151	188	182	182	(NA)
OK	150	158	158	168	183	148	134	1,892	1,934	1,730	1,988	1,838	1,917	1,987
PA	3	4	4	4	5	4	3	97	121	118	188	150	180	(NA)
TX	977	925	903	905	888	840	781	7,118	6,489	5,939	6,185	6,053	6,152	6,081
UT	25	22	30	35	41	39	38	88	94	63	75	83	80	93
WV	2	3	4	4	4	3	3	157	151	130	144	145	135	118
WY	126	118	118	124	129	121	115	410	425	444	517	417	403	441

NA Not available. Z Less than 500 million cubic feet. ¹ Excludes nonhydrocarbon gases.

² Includes other States not shown separately. State production does not include State offshore production.

Source: U.S. Energy Information Administration, *Natural Gas Annual*, *Natural Gas Monthly*, *Energy Data Reports*, and *Petroleum Supply Annual*.

NO. 1190. CRUDE PETROLEUM AND NATURAL GAS—WELLS DRILLED, FOOTAGE, AND DRILLING COST, 1970 TO 1987 AND BY TYPE OF WELL, 1987

[Includes all costs incurred for drilling and equipping wells to point of completion as productive wells or abandonment after drilling becomes unproductive. Based on sample of operators of different size drilling establishments]

YEAR	WELLS DRILLED		Foot- age drilled (mil. ft.)	DRILLING COST (mil. \$)		Average depth per well (ft.)	AVERAGE COST PER WELL (\$1,000)		Average cost per ft. (dol.)
	Total	Off- shore		Total	Off- shore		Total	Off- shore	
Wells, total:									
1970	27,177	1,060	136.9	2,579	699	5,097	95	566	18.84
1975	36,980	1,028	177.8	6,571	1,174	4,808	178	1,142	36.89
1980	62,011	1,272	298.0	22,800	3,848	4,773	368	3,024	77.02
1981	60,816	1,478	308.8	36,986	5,851	4,811	454	3,781	94.30
1982	76,862	1,484	362.6	39,428	8,184	4,731	514	4,203	108.73
1983	87,536	1,270	301.2	25,105	4,981	4,480	372	3,808	83.34
1984	77,210	1,421	350.6	25,206	5,024	4,541	326	3,636	71.90
1985	87,621	1,247	314.5	23,997	5,079	4,637	349	4,073	75.35
1986	97,173	898	178.3	13,582	3,596	4,742	365	4,004	76.89
1987	33,041	709	157.4	9,239	2,063	4,782	380	2,896	58.71
Oil wells	15,326	224	64.6	3,789	696	4,215	249	3,107	58.35
Gas wells	7,256	142	39.7	2,789	421	5,489	360	2,987	69.55
Dry holes	10,480	343	53.1	2,710	938	5,076	259	2,729	51.05

Source: American Petroleum Institute, Independent Petroleum Association of America, and Mid-Continent Oil and Gas Association, *Joint Association Survey on Drilling Costs*, annual.

NO. 1191. FEDERAL OFFSHORE LEASING, EXPLORATION, PRODUCTION, AND REVENUE: 1975 TO 1987

[See source for explanation of terms and for reliability statement]

ITEM	Unit	1975	1976	1977	1980	1981	1982	1983	1984	1985	1986	1987
Tracts offered	Number	1,374	556	699	463	1,398	1,410	21,699	27,984	15,754	10,734	10,899
Tracts leased	Number	321	249	351	218	430	357	1,251	1,400	687	142	640
Acres offered	1,000	7,247	3,141	3,412	2,883	7,880	7,837	120,054	154,384	67,029	58,679	58,762
Acres leased	1,000	1,680	1,297	1,767	1,134	2,265	1,898	8,588	7,496	3,512	734	45,075
Bonus paid for leased tracts	Bil. dol.	1.1	1.8	5.1	4.2	6.8	4.0	5.7	4.0	1.5	.2	.5
New wells being drilled:												
Active	Number	97	117	175	181	173	188	134	293	186	66	142
Suspended	Number	292	486	603	739	724	701	697	313	348	279	295
Wells completed	Number	6,104	8,433	6,984	9,638	10,308	11,184	11,980	13,012	12,285	12,638	12,736
Wells plugged and abandoned	Number	5,617	7,133	7,576	8,057	8,704	8,919	9,374	9,903	10,487	11,908	12,373
Revenue, total ¹	Bil. dol.	1.7	2.9	6.6	8.4	9.9	7.8	9.2	8.0	5.2	2.8	2.9
Bonuses	Bil. dol.	1.1	1.8	5.1	4.2	6.8	4.0	5.7	4.0	1.5	.2	.5
Oil and gas royalties ¹	Bil. dol.	.6	1.1	1.5	2.1	3.3	3.8	3.4	4.0	3.6	2.6	2.3
Rentals	Bil. dol.	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	1	1	1
Production value ²	Bil. dol.	3.9	7.1	9.3	13.1	20.2	22.8	21.0	24.0	22.2	15.7	14.8
Crude oil	Bil. dol.	2.2	2.8	2.9	4.8	8.8	8.9	8.1	9.8	8.8	5.8	5.8
Condensate	Bil. dol.	.2	.2	.3	.4	.6	1.2	1.1	1.2	1.0	.7	.7
Natural gas	Bil. dol.	1.5	4.1	6.1	7.9	10.8	12.4	11.8	13.2	11.5	9.3	8.1
Production: ³												
Crude oil	Mil. bbl.	303	270	282	259	263	264	304	330	362	350	325
Condensate	Mil. bbl.	27	22	23	19	27	37	36	40	37	39	41
Natural gas	Til. cu. ft.	3,489	4,385	4,673	4,841	4,850	4,880	3,940	4,637	4,000	3,940	4,435

² Less than \$50 million. ¹ Includes condensate royalties. ³ Production value is value at time of production, not current value.

Source: U.S. Dept. of the Interior, Minerals Management Service, *Federal Offshore Statistics*, annual.

NO. 1192. NATURAL GAS PLANT LIQUIDS—PRODUCTION AND VALUE: 1970 TO 1987

[Barrels of 42 gallons. See also *Historical Statistics, Colonial Times to 1970*, series M 143-146]

ITEM	Unit	1970	1973	1976	1980	1981	1982	1983	1984	1985	1986	1987
Field production	Mil. bbl.	666	634	564	576	566	568	568	568	562	664	691
Pentanes plus	Mil. bbl.	197	162	149	126	122	103	85	107	103	98	108
Liquefied petroleum gases	Mil. bbl.	400	447	444	441	489	456	480	486	479	468	474
Ethane ¹	Mil. bbl.	73	106	123	146	145	155	166	166	180	177	182
Propane ^{1,2}	Mil. bbl.	206	214	202	181	180	188	197	183	190	185	184
Butane (incl. isobutane) ²	Mil. bbl.	121	124	119	116	124	114	116	111	108	104	109
Other finished petroleum products	Mil. bbl.	0	0	2	0	7	4	4	1	5	2	2
All light products												
Average value	Dol. per bbl.	2.10	2.83	4.66	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Average yield	Gal. per 1,000 cu. ft.	1.37	1.36	1.42	1.63	1.66	1.68	1.60	1.79	1.84	² 1.82	1.81
Natural gas processed	Til. cu. ft.	18	20	18	15	15	14	13	14	13	² 13	14

NA Not available. ¹ Reported production of ethane-propane mixtures have been allocated 70 percent ethane and 30 percent propane. ² Reported production of ethane-propane mixtures have been allocated 60 percent ethane and 40 percent propane. ³ Estimated.

Source: Through 1975, U.S. Bureau of Mines, *Minerals Yearbook*; thereafter, U.S. Energy Information Administration, *Energy Data Reports, Petroleum Statement Annual, Petroleum Supply Annual, and Natural Gas Annual*.

No. 1193. NATURAL GAS—SUPPLY, CONSUMPTION, RESERVES, AND MARKETING PRODUCTION: 1970 TO 1987

[See also *Historical Statistics, Colonial Times to 1970*, series M 147-161]

ITEM	Unit	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987, prel.
Producing wells (year-end)	1,000	117	124	130	132	138	141	145	148	151	154	157	160	163	166	169	172	175	178
Production value at wells	BL dol	3.7	5.0	8.0	32.1	39.5	45.8	53.4	60.5	68.5	76.2	84.2	92.6	101.5	110.8	120.5	130.5	141.0	152.0
Avg. per 1,000 cu. ft.	Dollars	17	22	45	1.59	1.88	2.40	2.96	3.46	4.00	4.51	5.01	5.51	6.01	6.51	7.01	7.51	8.01	8.51
Proved reserves ¹	Tril. cu. ft.	291	250	228	199	202	202	202	202	202	202	202	202	202	202	202	202	202	(NA)
Marketed production ²	Tril. cu. ft.	21.32	22.05	20.11	20.18	19.86	18.52	16.82	15.29	13.70	12.20	10.70	9.20	7.70	6.20	4.70	3.20	1.70	0.20
Drawn from storage	Tril. cu. ft.	0.00	1.53	1.78	1.97	1.83	2.16	2.27	2.10	2.40	1.84	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89
Imports ³	Tril. cu. ft.	.82	1.03	.95	.98	.90	.93	.92	.84	.85	.75	.80	.80	.80	.80	.80	.80	.80	.80
Consumption, total	Tril. cu. ft.	21.14	22.05	19.54	19.89	19.40	18.00	16.84	15.36	13.79	12.29	10.72	9.22	7.72	6.22	4.72	3.22	1.72	0.20
Residential	Tril. cu. ft.	4.84	4.86	4.92	4.75	4.55	4.83	4.38	4.86	4.43	4.31	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37
Commercial ⁴	Tril. cu. ft.	2.40	2.80	2.51	2.61	2.52	2.61	2.43	2.52	2.43	2.32	2.29	2.29	2.29	2.29	2.29	2.29	2.29	2.29
Industrial	Tril. cu. ft.	8.25	10.18	8.36	8.20	8.08	8.84	8.82	7.23	6.87	6.50	6.88	6.88	6.88	6.88	6.88	6.88	6.88	6.88
Lapse and plant fuel	Tril. cu. ft.	1.40	1.50	1.40	1.03	.93	1.11	.86	1.09	.97	.82	.84	.84	.84	.84	.84	.84	.84	.84
Other industrial	Tril. cu. ft.	7.65	8.68	6.97	7.17	7.13	5.83	5.84	6.15	5.90	5.68	5.73	5.73	5.73	5.73	5.73	5.73	5.73	5.73
Electric utilities	Tril. cu. ft.	3.83	3.88	3.18	3.08	3.84	3.23	2.91	3.11	3.04	2.80	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84
Transportation ⁵	Tril. cu. ft.	.72	.73	.58	.63	.84	.80	.49	.53	.50	.49	.50	.50	.50	.50	.50	.50	.50	.50
Extraction losses ⁶	Tril. cu. ft.	.00	.82	.87	.78	.77	.78	.79	.84	.82	.80	.82	.82	.82	.82	.82	.82	.82	.82
Exports	Tril. cu. ft.	.07	.08	.07	.05	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06
Additions to storage ⁷	Tril. cu. ft.	1.88	1.97	2.10	1.95	2.23	2.47	1.82	2.30	2.16	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98
Unaccounted for gas ⁸	Tril. cu. ft.	.23	.20	.24	.84	.50	.47	.84	.14	.35	.43	.76	.76	.76	.76	.76	.76	.76	.76
World production (dry)	Tril. cu. ft.	37.54	43.15	44.10	53.28	54.71	54.18	54.45	58.30	62.17	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
U.S. production (dry)	Tril. cu. ft.	21.01	21.73	19.24	19.40	19.18	17.78	16.03	13.38	10.38	7.38	4.38	1.38	0.38	0.38	0.38	0.38	0.38	0.38
Percent U.S. of world	Percent	56.0	50.4	43.6	36.4	35.1	32.8	29.4	22.9	16.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

NA: Not available. ¹ Estimated, end of year. Source: 1970-1975: American Gas Association, Arlington, VA. (Copyright); thereafter, U.S. Energy Information Administration, *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves*, annual.

² Marketed production includes gross withdrawals from reservoirs less quantities used for reservoir repressuring and quantities vented or flared. For 1980 and thereafter, it excludes the nonhydrocarbon gases subsequently removed. ³ Includes imports of liquefied natural gas. ⁴ Includes deliveries to municipalities and public authorities for institutional heating and other purposes.

⁵ Pipeline fuel. ⁶ Volumetric reduction in natural gas resulting from the extraction of natural gas constituents at natural gas processing plants. ⁷ Beginning with 1980, includes liquefied natural gas (LNG) storage in above ground tanks. ⁸ Derived by subtracting the sum of additions to storage, exports and consumption from total supply.

Source: Except as noted, U.S. Energy Information Administration, *Annual Energy Review*, *International Energy Annual*, and *Monthly Energy Review*, March 1988.

No. 1194. LIQUEFIED PETROLEUM GASES—SUMMARY: 1980 TO 1987

[In millions of 42-gallon barrels. Includes ethane]

ITEM	1980	1985	1986	1987	ITEM	1980	1985	1986	1987
Production	581	622	618	638	Consumption	538	584	552	586
At natural gas plants	441	479	466	474	Ethane ¹	184	210	181	178
At refineries	121	143	152	164	Propane ^{1,2}	298	322	303	337
Imports	79	68	68	69	Butane (incl. isobutane) ²	76	52	68	73
Refinery input	65	111	110	111	Stocks, Dec. 31	116	74	103	97
Exports	8	23	15	14					

¹ Reported consumption of ethane-propane mixtures have been allocated 70 percent ethane and 30 percent propane.

² Reported consumption of butane-propane mixtures have been allocated 60 percent butane and 40 percent propane.

Source: U.S. Energy Information Administration, *Petroleum Supply Annual*.

No. 1195. COAL INDUSTRY—ELEMENTS OF STRUCTURAL CHANGE: 1976 AND 1986

[In percent, except as indicated]

ELEMENT	1976	1986	ELEMENT	1976	1986
Number of bituminous coal and lignite mines	6,161	4,203	Percent of U.S. bituminous coal and lignite production accounted for by—		
Number of major coal producers ¹	34	52	Major coal producers ¹	57.4	73.9
Percent of major producers' bituminous coal and lignite production accounted for by—			Foreign-controlled major coal producers ²	1.4	8.4
Independent coal companies	34.7	26.6	Firms producing more than 20 million tons per year	22.0	32.9
Oil and gas companies	32.2	43.9	Eight largest producers	33.8	30.3
Electric utilities	10.8	14.9	Four largest producers	24.8	18.6
Steel companies	8.5	4.3			

¹ Major producers are defined as firms producing 3 million tons or more of bituminous coal and lignite annually. ² Includes foreign company shares of joint ventures. Control is inferred from an ownership interest of more than 50 percent.

Source: U.S. Energy Information Administration, *The Changing Structure of the U.S. Coal Industry, 1976-1986*.

No. 1193. COAL AND COKE—SUMMARY: 1970 TO 1987

(Includes coal consumed at mines. Demonstrated coal reserve base for United States on Jan. 1, 1987, was 476 billion tons. Recoverability varies between 40 and 90 percent for individual deposits; 50 percent or more of overall U.S. coal reserve base is believed to be recoverable. See also *Historical Statistics, Colonial Times to 1970*, series M 93-125.)

ITEM	Unit	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987 ¹
COAL²														
Production, total	ML. sh. tons	813	855	830	824	838	782	806	884	884	884	880	817	
Value	ML. dol.	2,862	12,670	20,453	21,755	22,851	20,325	22,949	22,277	21,189	21,171			
Bituminous coal and lignite:³														
Number of mines	Number	5,801	6,166	6,586	5,589	5,383	4,285	4,902	4,847	4,203	(NA)			
Production	ML. sh. tons	808	848	824	818	834	778	882	879	880	813			
Value, total	ML. dol.	2,774	12,469	20,185	21,514	22,822	20,111	22,949	22,081	20,988	20,882			
Average per ton	Dollars	8.26	18.23	24.52	26.29	27.14	25.85	25.81	25.10	23.70	25.00			
Exports	ML. sh. tons	72	88	82	113	106	78	81	83	85	80			
Value	ML. dol.	861	3,258	4,827	5,916	5,801	4,057	4,132	4,485	3,930	3,405			
Imports	1,000 sh. tons	36	940	1,184	1,043	742	1,271	1,285	1,852	2,212	1,747			
Method of mining:														
Underground	ML. sh. tons	341	289	298	316	339	300	351	360	360	373			
Surface	ML. sh. tons	272	361	492	507	499	482	544	519	520	544			
Percent of total prod	Percent	44.4	33.8	35.9	38.5	40.5	38.4	39.5	40.7	40.8	42.6			
Value	(Z)	22	22	30	30	23	43	45	70	80	88			
Consumption ⁴	ML. sh. tons	523	583	703	733	707	737	781	818	864	837			
Electric power utilities	ML. sh. tons	320	408	588	597	594	625	684	684	685	718			
Industrial	ML. sh. tons	187	147	127	136	106	109	118	118	112	112			
Productivity average:⁵														
Daily employment	1,000	140	180	225	228	217	176	178	180	185	(NA)			
Days worked	Number	228	232	210	188	196	197	204	204	205	(NA)			
Tons per worker														
Per day	Sh./tons	18.84	14.74	16.32	16.06	18.13	20.36	22.19	23.05	25.44	(NA)			
Per year	Sh./tons	4,296	3,420	3,427	3,383	3,497	4,139	4,827	4,702	5,216	(NA)			
Production, by State:														
Alabama	ML. sh. tons	20.6	22.8	28.4	24.5	25.6	23.8	27.1	27.8	25.8	25.0			
Arkansas	ML. sh. tons	66.1	59.5	62.5	51.9	60.3	58.8	63.8	59.2	61.8	58.8			
Indiana	ML. sh. tons	22.3	25.1	30.9	29.3	31.8	31.8	37.5	33.3	32.9	34.0			
Kentucky	ML. sh. tons	125.9	143.8	180.1	157.6	180.2	131.2	188.5	182.9	183.9	181.2			
Montana	ML. sh. tons	3.4	22.1	29.9	33.6	27.9	28.9	33.0	33.3	34.0	34.4			
Ohio	ML. sh. tons	55.4	46.8	38.4	37.4	36.5	33.3	38.3	35.8	36.4	36.4			
Pennsylvania	ML. sh. tons	80.2	80.3	83.1	83.5	79.4	68.8	77.5	71.4	71.6	74.3			
Virginia	ML. sh. tons	35.0	35.6	41.0	42.0	38.6	35.0	40.4	40.9	41.2	44.2			
West Virginia	ML. sh. tons	144.1	109.3	121.8	112.8	125.5	115.0	131.0	127.8	128.8	128.7			
Wyoming	ML. sh. tons	7.2	23.8	94.9	103.0	108.4	112.2	130.9	140.7	136.6	148.6			
Other States	ML. sh. tons	44.1	75.9	139.7	148.4	148.8	143.8	155.9	161.3	165.9	165.3			
Anthracite production	ML. sh. tons	9.7	6.2	8.1	6.4	4.8	4.1	4.2	4.7	4.3	4.4			
World production	ML. sh. tons	2,295	3,655	4,173	4,188	4,375	4,402	4,823	4,838	4,958	(NA)			
COKE														
Production ⁶	ML. sh. tons	66.5	57.2	48.1	42.8	28.1	25.9	30.5	28.7	25.5	28.0			
Oven coke ⁷	ML. sh. tons	65.7	56.5	48.1	42.8	28.1	25.8	30.6	28.7	25.5	28.0			
Value of product at plant	ML. dol.	2,193	5,281	6,089	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)			
Coke and breeze	ML. dol.	1,989	4,807	4,784	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)			
Avg. market value per ton	Dollars	28	84	103	113	115	114	105	105	100	(NA)			
Coal carbonized	ML. sh. tons	66.5	53.6	68.7	81.0	40.8	37.0	44.0	41.1	36.0	37.0			
Average value per ton	Dollars	12.47	44.21	55.26	62.86	64.97	58.50	65.57	54.30	50.89	48.55			
Yield of coke from coal	Percent	68.1	68.4	69.2	70.1	65.7	69.7	69.4	69.6	70.9	75.9			

NA Not available. Z Less than \$500,000. ¹ Preliminary. ² Includes bituminous coal, lignite, and anthracite. ³ All domestic product data for 1970 and 1975 are for mines producing 1,000 short tons or more per year; thereafter, data are for all mines. ⁴ Includes some categories not shown separately. ⁵ Data for 1970 and 1975 are for mines producing 1,000 short tons or more per year; thereafter, for mines producing 10,000 short tons or more. Beginning 1982, includes anthracite. ⁶ Includes beehive coke. ⁷ Prior to 1980, excludes screenings or breeze; thereafter, includes beehive and other nonrecoverable coke-oven operations.

Source: 1970 and 1975, U.S. Bureau of Mines, *Minerals Yearbook*; thereafter, U.S. Energy Information Administration, *Energy Data Reports*, *Weekly Coal Production*, *Coal Production*, annual, *Coke Plant Report*, *Annual Energy Review*, and *Quarterly Coal Report*.

No. 1197. WORLD COAL TRADE: 1975 TO 1986

[In millions of short tons]

COUNTRY(ES)	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986 ¹
Exporting countries, total²												
United States	55.3	60.0	64.3	40.7	66.0	68.7	106.5	106.5	76.5	61.2	61.8	68.0
Australia	33.5	34.3	42.3	42.6	44.8	46.8	54.3	44.8	59.9	78.7	65.0	100.2
South Africa	3.0	6.6	14.0	17.0	25.7	29.9	32.5	25.9	32.2	40.7	48.1	50.8
Soviet Union	28.8	29.0	31.1	31.8	28.4	26.2	22.5	23.0	24.1	22.7	25.3	28.1
West Germany	16.2	14.4	16.0	21.0	17.2	13.5	13.1	11.2	11.5	12.9	10.5	6.1
Canada	12.9	13.0	13.3	15.1	15.3	16.1	17.7	16.4	17.6	28.7	29.7	28.1
Poland	42.4	42.9	43.3	44.2	45.8	34.3	16.8	30.6	39.0	47.1	39.8	37.9
China, Mainland	5.5	4	5	9	1.7	4.2	4.1	5.1	6.2	7.6	8.1	11.0
Importing countries, total²												
Western Europe/Mediterranean	80.8	80.2	86.9	94.3	107.4	126.9	129.4	126.5	117.1	132.2	148.3	147.3
Japan	66.5	67.0	67.1	57.5	64.5	75.8	68.0	66.5	61.6	64.5	101.8	98.1
Eastern Europe	35.1	35.4	35.8	38.4	40.2	34.8	30.1	37.0	41.2	38.9	42.3	40.3
Canada	16.6	15.1	15.6	14.6	19.4	17.4	16.3	17.3	16.2	20.4	18.4	14.7

¹ Preliminary. ² Includes areas not shown separately. ³ Includes trade with Japan only.

Source: U.S. Energy Information Administration, 1973-1984, *Outlook for U.S. Coal Imports*; thereafter, *Annual Prospects for World Coal Trade*.

NO. 1193. CEMENT, SAND, GRAVEL, STONE, GYPSUM, LIME, AND PHOSPHATE ROCK: 1970 TO 1985

[See also *Historical Statistics, Colonial Times to 1970*, series M 188-194 and series M 203-204. Lime excludes Puerto Rico]

ITEM	Unit	1970	1975	1976	1977	1980	1981	1982	1983	1984	1985
Cement production ¹	Mill. sh. ton	78.1	88.7	85.5	85.5	78.7	72.9	64.3	71.3	78.7	78.9
Portland	Percent	98.1	95.9	95.2	95.6	95.9	96.2	96.5	95.9	95.6	95.9
Shipments ²	Mill. sh. ton	78.4	70.7	88.0	87.2	77.7	73.0	65.1	71.9	81.2	84.0
Portland	Mill. sh. ton	73.4	67.8	83.8	83.4	74.7	70.2	62.7	68.9	77.9	80.7
Value	Mill. dol.	1,368	2,220	3,623	4,081	3,790	3,686	3,198	3,440	4,020	4,142
Average per ton	Dollar	17.68	31.41	41.17	46.57	50.89	52.20	51.04	48.89	51.62	51.30
Imports	Mill. sh. ton	2.5	3.6	6.6	9.4	5.2	4.0	2.9	4.3	6.8	14.5
Value	Mill. dol.	34	71	191	302	198	151	111	161	294	437
Exports	1,000 sh. ton	123	417	55	149	166	300	201	118	60	98
World production (est.)	Mill. sh. ton	630	774	940	962	977	977	973	1,010	1,045	1,071
Sand and gravel sold ³	Mill. sh. ton	944	739	936	970	783	729	621	803	803	638
Value	Mill. dol.	1,116	1,340	2,302	2,427	2,289	2,280	1,909	2,270	2,621	2,612
Stone sold or used by producers	Mill. sh. ton	980	991	1,951	1,101	980	874	791	803	967	1,002
Value	Mill. dol.	1,470	2,120	2,886	3,399	3,405	3,276	3,056	3,475	3,911	4,225
Crude gypsum ⁴											
Active establishments ⁵	Number	103	110	116	113	114	113	109	111	113	116
Apparent supply	Mill. sh. ton	15.5	15.1	23.1	22.3	19.7	18.9	17.1	20.8	23.1	24.6
Mined	Mill. sh. ton	9.4	9.8	14.9	14.6	12.4	11.5	10.5	12.9	14.3	14.7
Imports for consumption	Mill. sh. ton	6.1	5.4	8.3	7.8	7.4	7.6	6.7	8.0	8.9	9.9
Exports	1,000 sh. ton	41	75	132	91	88	157	123	117	131	83
Calined gypsum produced	Mill. sh. ton	8.4	9.2	14.0	14.5	11.8	11.7	11.2	13.9	15.5	16.0
Value	Mill. dol.	132	185	367	442	270	243	198	270	321	367
Gypsum products sold, value ⁶	Mill. dol.	353	514	1,248	1,382	1,242	1,198	1,122	1,898	2,274	2,418
Building uses, value	Mill. dol.	323	466	1,171	1,312	1,149	1,099	1,032	1,504	2,162	2,301
Lime:											
Active plants	Number	194	171	155	154	153	150	147	139	129	115
Quantity sold	1,000 sh. ton	19,747	19,133	20,443	20,945	19,010	18,856	14,075	14,667	15,922	15,680
Value	Mill. dol.	286	524	750	862	843	884	686	758	811	609
Per ton	Dollars	14.49	27.38	36.67	41.18	44.34	46.69	49.46	50.96	50.95	51.70
Phosphate rock:											
Lime production	Mill. ton	125.5	187.5	101.2	294.8	231.4	202.5	114.8	138.6	178.7	193.2
P ₂ O ₅ content	Mill. ton	18.6	23.5	23.5	25.4	26.2	26.2	14.8	19.4	23.2	25.2
Marketable production	Mill. ton	38.7	48.8	55.2	56.9	60.0	59.1	41.2	46.9	54.2	56.0
P ₂ O ₅ content	Mill. ton	12.0	15.0	16.9	17.5	18.4	18.0	12.7	14.4	16.4	17.3
Value	Mill. dol.	203	1,122	929	1,046	1,257	1,438	950	1,021	1,162	1,236
Per ton	Dollars	5.25	22.99	16.84	18.38	20.95	24.33	23.04	21.75	21.80	22.05
Imports ⁷	Mill. sh. ton	.14	.04	1.00	.99	.54	.01	.03	.01	.01	.04
Value	Mill. dol.	3.8	1.6	24.4	21.6	12.9	.4	1.3	.4	.3	1.7
Per ton	Dollars	27.67	43.83	24.38	22.04	23.99	30.00	38.29	37.90	27.62	46.61
Exports	Mill. sh. ton	11.7	12.3	14.2	15.8	15.7	11.5	10.8	13.2	12.7	10.1
P ₂ O ₅ content	Mill. sh. ton	3.8	4.0	4.5	5.1	5.0	3.6	3.5	4.2	4.0	3.2
Value	Mill. dol.	60.0	429.2	297.4	356.5	431.4	373.2	293.6	327.3	324.8	263.6
Per ton	Dollars	5.11	34.99	20.94	22.56	27.41	32.57	27.06	24.73	25.58	26.18
Consumption, apparent ⁸	Mill. sh. ton	27.2	34.2	40.6	43.6	45.0	38.7	31.7	36.4	46.0	41.4
World production	Mill. sh. ton	93.6	118.6	137.8	145.3	156.9	157.7	140.4	153.5	165.5	161.7

¹ Includes Puerto Rico; excludes Alaska except for imports and exports. ² Includes natural, slag, and hydraulic lime plants, not shown separately, except 1970 excludes slag cement. ³ Represents sand stone and gravel used by producers. ⁴ Excludes byproduct gypsum. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. ⁵ Each mine, plant, or combination mine and plant is counted as one establishment. ⁶ Made from domestic, imported, and byproduct gypsum. ⁷ For consumption; P₂O₅ content not available. ⁸ Amount sold or used plus imports minus exports.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

NO. 1199. POTASH—SUMMARY: 1970 TO 1985

[In thousands of short tons, except value. See also *Historical Statistics, Colonial Times to 1970*, series M 201-202]

ITEM	1976	1975	1976	1976	1980	1981	1983	1983	1984	1985
Production of potassium salts (marketable)	4,853	4,576	4,769	4,708	4,756	4,578	3,710	3,053	3,350	2,831
Approximate equivalent K ₂ O	2,729	2,501	2,483	2,453	2,466	2,377	1,966	1,575	1,724	1,428
Value ¹ (mil. dol.)	98.1	223.1	226.5	279.2	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Sales of potassium salts by producers	4,703	3,819	4,804	5,014	4,701	4,045	3,734	3,252	3,510	2,761
Approximate equivalent K ₂ O	2,729	2,094	2,543	2,632	2,444	2,103	1,967	1,666	1,807	1,395
Value at plant (mil. dol.)	92.4	187.9	226.5	279.2	353.9	328.9	265.6	220.8	241.8	178.4
Per ton (dollars)	19.64	49.19	47.15	55.68	75.28	81.31	71.13	67.90	68.89	78.48
Imports for consumption of potash materials	4,403	6,271	8,556	9,375	9,031	8,712	6,966	8,071	8,761	6,343
Approximate equivalent K ₂ O	2,605	3,797	5,189	5,693	5,481	5,287	4,253	4,894	5,323	5,061
Value (mil. dol.)	94.7	267.2	399.2	520.8	648.0	750.4	575.4	600.6	658.1	499.1
Imports of potash materials	966	1,419	1,577	1,233	1,748	978	1,049	622	922	1,072
Approximate equivalent K ₂ O	544	779	892	700	926	541	572	331	492	565
Value (mil. dol.)	28.5	92.7	88.6	79.5	179.8	107.9	93.2	55.8	85.7	(NA)
Apparent consumption of potassium salts ²	8,140	8,671	11,782	13,156	11,967	11,779	9,671	10,701	11,349	10,032
Approximate equivalent K ₂ O	4,730	5,112	6,840	7,626	6,990	6,849	5,847	6,231	6,638	5,801
World production (marketable), approximate equivalent K₂O	20,013	27,289	28,796	28,404	30,707	29,849	27,187	30,232	31,568	31,537

NA Not available. ¹ Derived from reported value of amount sold or used. ² Amount sold or used plus imports minus exports.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

NO. 1200. IRON ORE—SUMMARY: 1970 TO 1986

[In millions of long tons, except as indicated. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1970*, series M 205-211]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Number of mines	74	67	64	51	49	37	32	27	20	20	20	19
Production ¹	88.8	78.9	58.8	81.8	86.7	88.8	73.2	86.4	88.8	51.2	48.8	38.8
Lake Superior	88.8	88.7	44.0	72.7	77.2	82.3	67.5	81.0	35.8	40.7	47.4	37.8
Northeastern	3.5	1.9	2.0	6.8	8.8	7.3	5.7	4.4	2.0	1.6	1.4	1.3
Western	14.3	9.6	9.8									
Shipments ²	87.2	75.7	54.1	83.2	88.2	88.6	72.2	85.8	44.8	50.9	49.4	41.3
Value ³ (mil. dol.)	942	1,821	1,423	2,401	2,814	2,844	2,815	1,402	1,945	2,248	2,077	1,473
Average price per ton at mine (dol.)	10.80	21.41	26.32	28.86	32.64	36.86	40.39	41.72	43.81	44.17	42.03	36.83
Stocks, Dec. 31 (at mines)	16.3	12.3	14.8	12.4	11.3	11.7	12.7	12.1	4.1	5.3	6.0	3.3
Price (Lake Superior ores) Dec. 31:												
Natural ores, basis 51.5%												
Fe (dol./lg. ton)	10.80	18.50	21.18	22.30	24.56	28.50	32.53	32.53	30.03	30.03	30.03	30.03
Imports for consumption ⁴	44.8	46.7	37.9	33.6	33.8	25.1	28.3	14.5	13.2	17.2	15.8	18.7
Canada	23.8	19.1	25.3	19.2	22.8	17.3	18.8	9.3	9.8	11.2	8.8	8.7
Venezuela	13.0	13.1	8.2	8.1	4.8	3.8	5.1	1.6	1.3	1.5	2.1	2.3
Brazil	2.0	7.5	2.2	4.0	3.1	2.0	1.7	1.0	1.8	2.5	2.5	3.7
Value (mil. dol.)	480	880	957	845	923	773	948	471	446	528	452	481
Exports	5.6	2.5	2.1	4.2	5.1	5.7	5.5	3.2	3.8	5.0	5.0	4.5
Value (mil. dol.)	68	80	83	137	179	231	245	181	183	239	241	206
World production (est.)	754	902	826	833	888	877	845	788	729	822	840	848

¹ Includes Southeastern district and byproduct ore, not shown separately.

² Beginning 1978, includes byproduct ore.

³ Includes countries not shown separately.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

NO. 1201. GOLD AND SILVER—SUMMARY: 1970 TO 1987

[See *Historical Statistics, Colonial Times to 1970*, series M 285-288, for mine production]

ITEM	Unit	1973	1980	1981	1982	1983	1984	1985	1986	1987, prel.
GOLD										
Ore produced ¹	1,000 sh. ton	3,887	9,883	12,729	17,818	24,142	30,487	35,808	60,882	82,371
Production, U.S.	1,000 fine oz.	1,743	970	1,379	1,488	2,003	2,085	2,427	3,738	4,888
Value	Mil. dol.	83	584	834	851	849	782	771	1,377	2,225
World production	1,000 fine oz.	47,522	38,179	41,280	43,105	45,088	46,827	49,184	51,820	52,481
Industrial consumption										
U.S., net	1,000 fine oz.	5,973	3,218	3,278	3,423	3,228	3,360	3,247	3,128	3,475
Imports ²	Mil. dol.	237	2,780	2,187	1,884	1,977	2,647	2,886	5,884	1,833
Canada	Mil. dol.	182	1,234	1,314	1,124	987	1,554	1,688	2,444	887
Soviet Union	Mil. dol.	-	88	22	4	-	-	-	184	371
South Africa	Mil. dol.	(2)	33	185	38	16	8	-	78	253
Exports	Mil. dol.	38	3,648	3,072	1,088	1,388	1,813	1,854	1,818	1,708
Price per fine oz. ³	Dollars	36.4	812.8	458.6	375.9	424.0	380.7	317.7	388.2	448.0
Production:										
Nevada	1,000 fine oz.	480	278	585	757	891	1,021	1,278	2,089	2,879
South Dakota	1,000 fine oz.	578	288	278	185	319	311	388	(D)	(D)
Utah	1,000 fine oz.	408	180	228	175	238	(D)	135	(D)	(D)
SILVER										
Ore produced ^{1,4}	1,000 sh. ton	834	2,988	5,579	8,638	8,888	8,382	5,347	8,425	8,885
Production, U.S.	1,000 fine oz.	45,008	32,328	40,883	40,248	43,431	44,582	38,428	34,220	37,280
Value	Mil. dol.	80	887	428	320	497	383	242	187	281
World production	1,000 fine oz.	300,881	342,804	381,817	371,159	387,711	413,980	422,089	418,825	428,881
Industrial consumption										
U.S., net ⁵	1,000 fine oz.	128,404	124,884	118,870	118,840	118,484	114,841	118,885	118,940	115,271
Imports ²	Mil. dol.	104	1,805	1,028	827	2,124	983	882	798	555
Canada	Mil. dol.	84	880	375	303	420	301	288	281	141
Mexico	Mil. dol.	9	282	228	205	340	338	251	257	288
Peru	Mil. dol.	19	354	273	143	288	187	78	87	48
Exports	Mil. dol.	48	1,910	332	209	377	208	161	143	182
Price per fine oz. ^{3,6}	Dollars	1.77	20.83	10.52	7.85	11.44	8.14	6.14	5.47	7.01
Production:										
Idaho	Mil. fine oz.	19.1	13.7	18.5	14.8	17.7	18.9	18.8	11.2	(D)
Arizona	Mil. fine oz.	7.3	6.3	8.1	6.3	4.5	4.2	4.9	4.2	3.4
Utah	Mil. fine oz.	8.0	2.2	2.8	4.3	4.6	(D)	(D)	(D)	(D)
Colorado	Mil. fine oz.	2.9	3.0	3.0	1.9	2.1	2.2	.5	.8	(D)

- Represents zero. D Withheld to avoid disclosure. Z Less than \$500,000. ¹ Gold and silver are also produced from base-metal ores and placers. ² 1970, general imports; thereafter, imports for consumption. ³ Selling price. ⁴ Includes gold-silver ore through 1986, silver ore only in 1987. ⁵ Excludes coinage.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1202. LEAD—SUMMARY: 1970 TO 1987

[In thousands of short tons, except as indicated. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports and as noted. See also *Historical Statistics, Colonial Times to 1970*, series M 242-248]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987, prel.
Smelter production of refined primary lead	667	638	634	644	644	666	667	636	637	608	412
Domestic ores and base bullion ¹	526	530	584	580	486	507	506	384	456	384	371
Foreign ores and base bullion	139	106	50	43	61	58	61	72	79	24	41
Recovery of secondary lead	597	658	683	745	707	630	556	600	679	688	783
Imports, general:											
Lead in pigs and bars	244	101	211	90	112	101	144	178	147	156	207
Lead in ores and matte	112	68	44	49	66	39	52	76	47	96	253
Exports of refined pig lead ²	8	21	12	181	26	56	16	8	28	12	5
Consumption of metal, primary and secondary	1,361	1,297	1,407	1,180	1,287	1,185	1,268	1,331	1,266	1,241	1,356
Average price, common lead:											
New York (cents per lb.)	15.69	21.53	52.84	42.46	36.53	25.54	21.68	25.55	19.07	22.05	35.94
London (cents per lb.)	13.76	18.73	54.52	41.21	33.30	24.86	19.27	20.12	17.84	18.43	26.99
Mine production of recoverable lead ³	572	821	579	607	491	565	496	358	458	375	343
Value ⁴ (mil. dol.)	179	267	610	515	359	289	215	182	174	165	247
World smelter production, primary (est.)	3,626	3,833	3,811	3,508	3,439	3,539	3,579	3,484	3,736	3,540	3,634
World smelter capacity (estimated)	5,200	5,200	5,241	5,088	4,824	4,966	5,021	4,989	4,801	4,770	4,845

¹ Excludes lead content of antimonial lead. ² Pigs, bars, and anodes. ³ Includes Alaska.

No. 1203. COPPER—SUMMARY: 1970 TO 1987

[In thousands of short tons, except as indicated. Excludes Hawaii and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1970*, series M 235-241]

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987, prel.
New (primary) copper produced:										
Mines (from domestic ores)	1,720	1,413	1,302	1,096	1,264	1,144	1,215	1,219	1,266	1,400
Copper ore produced ¹ (mil. sh. tons)	258	263	244	306	201	196	189	179	186	245
Average yield of copper (percent)	59	47	46	51	55	51	58	62	62	58
Smelters (from domestic ores)	1,806	1,374	1,096	1,427	1,037	979	1,091	1,035	1,001	1,074
Percent of world total	24	17	13	16	12	11	12	11	11	11
Refineries (from domestic ores)	1,521	1,286	1,241	1,577	1,158	1,134	1,201	1,106	1,183	1,088
From foreign ores, matte, etc., refinery	244	157	98	125	194	169	83	59	(d)	(d)
Total new refined, domestic and foreign	1,765	1,443	1,339	1,702	1,352	1,303	1,284	1,165	1,183	1,088
Secondary copper produced	1,248	972	1,584	1,583	1,309	1,194	1,234	1,258	1,252	1,395
Recovered from old scrap only	504	366	678	658	571	495	508	556	528	588
Imports (unmanufactured) ²	382	324	803	474	558	636	573	484	627	590
Refined	132	147	471	364	285	507	490	416	553	517
Exports of refined metallic copper	221	172	18	27	34	60	101	42	14	10
Stocks (refined), Dec. 31 ⁴	552	489	346	535	766	783	622	353	248	132
Mine production of recoverable copper	1,720	1,413	1,302	1,096	1,264	1,144	1,215	1,219	1,266	1,400
Arizona	919	813	849	1,147	848	748	823	878	870	858
Montana	120	66	42	69	72	37	(d)	17	(d)	(d)
New Mexico	186	146	165	170	(d)	(d)	(d)	(d)	(d)	(d)
Utah	298	177	174	233	206	187	(d)	(d)	(d)	(d)
Other States	220	189	72	77	136	173	393	324	395	546
Avg. price, domestic production (cents per lb.)	58.2	64.2	102.4	85.1	74.3	79.3	68.2	67.0	66.1	82.5
World smelter production	6,719	7,966	8,432	8,820	8,764	8,987	9,284	9,482	9,429	9,748
World smelter capacity	(NA)	10,267	11,245	11,419	11,821	12,058	12,095	12,127	12,369	12,787

(d) Withheld to avoid disclosure of individual company data. NA Not available. ¹ Includes old tailings, smelted or reprocessed. Not comparable with mine production figures which include recoverable copper content of ores not classified as "copper." ² Includes production from foreign ores. ³ Includes copper imported for immediate consumption plus material entering country under bond. Beginning 1980, includes imports for consumption. Complete copper in ore and concentrates, matte, refined, blister, and scrap. ⁴ Includes producers, consumers, COMEX and U.S. Government.

Source of tables 1202 and 1203: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1204. COBALT—SUMMARY: 1970 TO 1987

[In millions of pounds of contained cobalt, except price]

ITEM	1970	1975	1979	1979	1980	1981	1982	1983	1984	1985	1986	1987
Production: Mine	7	-	-	-	-	-	-	-	-	-	-	-
Secondary (scrap) ¹	1	3	10	12	12	10	9	7	9	9	2.6	2.5
Imports ²	12.4	6.6	19.0	20.0	18.3	15.6	12.9	17.2	25.3	17.7	12.3	19.5
Zaire	(NA)	2.2	7.9	8.8	8.2	4.2	5.0	7.7	11.8	4.8	7	8.4
Zambia	(NA)	-	2.1	3.5	2.2	1.5	1.2	2.3	3.8	4.3	3.5	2.9
Finland	(NA)	1.1	9	1.2	1.1	1.2	8	1.0	1.0	1.0	6	4
Exports ³	1.5	1.6	1.5	7	6	8	8	8	7	6	10	6
Consumption	13.4	12.8	20.0	17.4	15.3	11.7	9.5	11.3	12.9	13.5	14.4	15.1
Inventories	81.0	49.5	45.2	44.2	43.3	42.2	45.1	47.3	47.8	51.3	54.6	55.2
Government ⁴	79.1	47.6	40.8	40.8	40.8	40.8	43.8	45.9	46.2	50.2	53.1	53.1
Private ⁵	1.9	1.8	4.4	3.4	2.5	1.4	1.3	1.4	1.4	1.1	1.5	2.1
Price per pound ⁶ (dollars)	2.20	3.98	6.40	24.58	25.00	14.58	8.58	6.76	10.40	11.43	14.48	6.56

- Represents zero. NA Not available. ¹ Reported consumption of purchased scrap. ² Includes countries not shown separately. ³ Content of unwrought cobalt and cobalt alloys, and waste and scrap. ⁴ Includes cobalt sold but not delivered. ⁵ Consumer stocks only. ⁶ 1970 and 1975 weighted average based on the market price quoted by a major U.S. cobalt consumer, otherwise based on range of prices; 1980-87 weighted average "Metals Week" prices. ⁷ Represents low price for year. ⁸ Price ranged from low 6.40 lb. to 20.00 per lb.

Source: U.S. Bureau of Mines, *Minerals Yearbook*, and *Mineral Commodity Summaries*, annual.

No. 1206. NICKEL—SUMMARY: 1970 TO 1986

[Quantities in thousands of short tons. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1970*, series M 231-234]

ITEM	1970	1975	1977	1979	1979	1980	1981	1982	1983	1984	1985	1986, prel.
Mine production.....	16	17	14	14	15	15	12	3	-	15	5	1
Plant production:												
Primary ¹	16	14	13	11	12	11	10	3	(D)	10	5	1
Secondary ²	49	42	45	44	57	49	52	43	50	55	55	44
Imports (net nickel content).....	156	181	185	240	177	189	209	130	152	177	198	129
Exports (gross weight).....	31	30	39	26	51	57	47	57	44	58	51	23
Consumption.....	156	146	155	181	186	156	145	104	128	137	136	165
Stocks (consumer), Dec. 31.....	25	35	19	20	20	15	23	19	20	21	21	15
Price per pound ³ (dollars).....	1.23	2.20	2.41	2.10	3.20	2.85	2.85	2.24	2.20	2.22	2.25	1.85
World production, est.....	489	590	913	725	756	558	400	682	735	833	882	834

- Represents zero. D Withheld to avoid disclosing company proprietary data. ¹ From domestic ores. ² Includes nickel recovered from iron and steel scrap. ³ Through 1979, peak price quoted U.S. buyers by International Nickel Co., Inc., for electrolytic nickel, U.S. duty included, f.o.b. Port Colborne, Ontario; thereafter, New York dealer price.

No. 1206. TIN—SUMMARY: 1970 TO 1987

[In thousands of short tons, except price. See heading, table 1206, for exclusions]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987, prel.
Production: Domestic smelters.....	(D)	7.2	5.1	3.3	2.2	3.9	2.8	4.4	3.3	3.5	4.3
Secondary sources.....	22.4	17.5	23.7	20.5	17.0	15.8	15.7	17.0	15.8	16.4	17.4
Imports for consumption:											
Metal.....	56.7	48.9	53.3	50.7	50.8	30.8	37.5	45.4	37.3	38.4	45.4
Ore (tin content).....	5.2	7.1	5.0	.9	.3	2.2	1.1	3.6	1.8	4.3	3.3
Exports.....	5.0	4.0	3.8	1.7	12.8	10.4	11.5	11.6	1.8	1.7	1.5
Price of Straits tin at NY, dol. per lb. ²	1.74	3.40	7.54	8.46	7.33	6.54	6.55	6.24	3.83	3.83	4.19
Consumption.....	83	62	88	82	80	61	50	54	55	48	48
World mine production, est.....	256	245	270	270	278	242	217	219	206	199	202

D Withheld to avoid disclosure of individual company data. ¹ Excludes reimports. ² See footnote 5, table 1181

No. 1207. TUNGSTEN CONCENTRATE—SUMMARY: 1970 TO 1987

[Excludes Alaska and Hawaii. See *Historical Statistics, Colonial Times to 1970*, series M 225-228, for related data]

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987, prel.
Production:											
Concentrates (80% WO ₃ basis) ¹	1,000 sh. ton	10.1	5.8	8.3	8.2	3.8	(NA)	(NA)	(NA)	(NA)	(NA)
Tungsten content.....	ML lb	9.2	5.6	6.0	7.8	3.5	2.2	2.6	2.2	1.7	1
Shipments from mines:											
Reported value f.o.b. mines.....	ML dol	23.6	28.1	50.6	82.2	22.1	10.6	13.4	9.1	5.8	2
Avg. value per lb. of tungsten.....	Dollars	2.56	5.30	6.38	7.96	4.35	4.70	5.20	4.23	3.21	2.88
Imports for consumption ²	ML lb	11.3	15.9	11.4	11.8	7.8	8.3	12.8	10.5	5.8	9.8
Consumption ²	ML lb	16.7	14.0	20.4	21.7	9.9	11.4	18.9	15.1	10.8	12.1
Stocks, ¹ end of year.....	ML lb	2.2	2.5	1.4	1.7	4.0	2.5	2.2	2.5	1.2	.8
World production ²	ML lb	71.4	84.5	114.6	110.8	103.7	90.2	101.7	102.5	94.0	86.7

NA Not available. ¹ A short ton of 80% tungsten trioxide (WO₃) contains 981.72 pounds of tungsten.

² Tungsten content. ³ General imports.

Source of tables 1206-1207: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1208. URANIUM CONCENTRATE (U₃O₈) INDUSTRY—SUMMARY: 1975 TO 1986

[Middle demand case. See table 981. See also *Historical Statistics, Colonial Times to 1970*, series M255-257]

ITEM	Unit	1975	1977	1979	1979	1980	1981	1982	1983	1984	1985	1986
Production.....	1,000 sh. tons	11.6	14.9	18.3	18.7	21.9	19.2	13.4	10.6	7.4	5.6	6.8
Net imports (U ₃ O ₈).....	1,000 sh. tons	2	.8	.8	1.6	1.1	1.1	6.3	2.4	5.2	3.2	6.0
Utility inventories (U ₃ O ₈ equivalent).....	1,000 sh. tons	(NA)	21.5	35.8	42.8	54.4	64.0	68.6	75.0	80.1	88.3	88.2
Price (1983 dol./lb. U ₃ O ₈).....												
Long-term contract price.....	Dollars	36.50	46.40	45.30	43.10	35.50	29.40	25.80	27.20	22.60	21.20	16.50
Spot market price.....	Dollars	40.80	65.20	62.30	56.40	38.40	26.80	20.80	23.00	16.80	14.80	15.50
Delivered price.....	Dollars	18.10	30.50	31.10	31.80	34.20	35.70	41.80	38.20	21.30	28.80	27.30
Capital expenditures (1983 dollars).....	ML dol	461	1,156	1,088	1,080	946	481	173	67	37	32	25
Mining and milling.....	ML dol	251	780	817	842	825	300	88	30	12	14	5
Exploration.....	ML dol	210	369	452	418	324	181	77	37	25	18	20
Employment.....	1,000	9.7	18.8	21.4	22.2	19.9	13.7	8.1	5.8	2.8	1.9	1.8
Mining and milling.....	1,000	7.8	14.8	17.0	18.1	16.5	11.4	8.3	5.2	2.7	1.7	1.4
Exploration.....	1,000	2.0	4.1	4.4	4.1	3.4	2.3	.8	.4	.2	.2	.2

NA Not available. ¹ Natural U₃O₈ only. ² Includes natural U₃O₈, uranium oxide, natural UF₆, uranium hexafluoride, natural UF₆, and/or usage agreement, UF₆, at enrichment suppliers, enriched UF₆, and fabricated fuel. ³ Average U.S. contract prices and market price settlements.

Source: U.S. Department of Energy, *Domestic Uranium Mining and Milling Industry*, annual, and *Uranium Industry*, annual.

No. 1205. ZINC—SUMMARY: 1970 TO 1987

[Production in thousands of short tons. Excludes Alaska and Hawaii. See *Historical Statistics, Colonial Times to 1970*, series M 249-250, for production]

ITEM AND STATE	1970	1975	1979	1979	1980	1981	1982	1983	1984	1985	1986	1987, prel.
Smelter production, primary slab zinc	576	436	446	621	375	382	382	388	279	386	279	299
Value (mil. dol.)	236	341	278	386	261	341	194	215	271	232	212	250
From domestic ores	404	308	295	281	256	286	213	232	218	218	211	233
From foreign ores	474	130	154	240	120	86	38	28	61	70	68	64
Production, redistilled secondary slab zinc	77	58	36	59	32	55	62	76	86	60	66	80
Avg. price of common zinc (cents per lb.)	15.3	39.0	31.0	37.3	37.4	44.6	38.5	41.4	48.6	40.4	38.0	41.9
World smelter production, est.	5,321	5,528	6,483	8,900	8,888	8,708	8,467	8,866	7,194	7,544	7,476	7,800
World smelter and refining capacity	(NA)	(NA)	8,467	8,524	(NA)	(NA)	(NA)	8,529	8,800	8,700	9,046	9,200
Mine production, recoverable zinc	534	466	334	286	386	344	334	369	276	360	234	236
Colorado	57	48	24	11	15	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Idaho	41	41	36	33	31	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Missouri	51	75	65	68	69	56	70	63	50	54	42	38
New York	58	77	29	13	37	41	58	63	(D)	(D)	(D)	(D)
Tennessee	118	83	97	94	123	130	134	21	128	115	113	128
Other States	208	145	83	76	75	118	72	56	101	61	68	72

D Withheld to avoid disclosure of individual company data. NA Not available. Z Less than 500 tons.

Source: U.S. Bureau of Mines, *Mining Yearbook*, and *Mining Facts and Problems*.

No. 1210. BAUXITE—SUMMARY: 1970 TO 1987

[See also *Historical Statistics, Colonial Times to 1970*, series M 256-257]

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
Production:												
Crude ore	Mil. lg. ton	2.5	2.2	2.2	1.8	1.8	.9	.8	1.0	.8	.6	.7
Dried bauxite	Mil. lg. ton	2.1	1.8	1.8	1.5	1.5	.7	.7	.8	.7	.5	.6
Value	Mil. dol.	30.1	25.1	24.9	22.4	26.5	12.3	11.3	15.6	12.9	10.4	10.9
Imports¹ (crude, dried)												
Jamaica	Mil. lg. ton	13.6	11.5	13.8	13.9	12.6	10.0	7.5	9.3	7.0	6.4	8.0
Ghana	Mil. lg. ton	7.5	5.4	6.4	6.0	5.4	4.1	3.1	3.7	1.5	2.1	2.8
Guinea	Mil. lg. ton	5	2.6	3.8	4.0	3.6	4.3	3.7	3.7	3.7	3.3	4.1
Suriname	Mil. lg. ton	2.8	1.8	1.5	1.5	1.1	.4	.2	.3	.2	.1	.1
Value	Mil. dol.	(NA)	(NA)	(NA)	380.5	392.6	380.4	226.9	310.9	210.1	168.8	233.6
Exports (as shipped)												
Value	1,000 lg. ton	3	19	24	28	40	46	73	81	55	68	186
	Mil. dol.	2	1.7	3.3	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Consumption (dry equivalent)	Mil. lg. ton	15.7	12.4	15.4	15.7	13.3	8.1	9.0	10.4	8.1	6.8	9.4
World production, est.	Mil. lg. ton	58.8	73.6	84.2	87.8	84.0	78.1	77.4	88.4	63.0	64.8	65.0

NA Not available. ¹ Includes countries not shown separately.

Source: U.S. Bureau of Mines, *Mining Yearbook*.

No. 1211. ALUMINUM—SUMMARY: 1970 TO 1987

[See also *Historical Statistics, Colonial Times to 1970*, series M 258-262]

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987 ¹
Production	Mil. sh. ton	4.8	4.9	6.4	6.5	6.4	5.2	5.4	6.4	5.8	5.3	5.9
Primary aluminum	Mil. sh. ton	4.0	3.9	5.0	5.1	4.9	3.6	3.7	4.5	3.9	3.3	3.7
Plant capacity	Mil. sh. ton	4.3	5.0	6.9	6.5	6.5	5.5	5.5	5.4	5.2	4.5	4.3
Secondary aluminum ²	Mil. sh. ton	.8	1.0	1.4	1.4	1.5	1.6	1.7	1.9	1.9	2.0	2.2
Value ³ (primary metal)	Bil. dol.	2.6	3.7	7.8	8.3	9.8	6.0	6.5	10.4	9.3	8.8	8.5
Primary aluminum	Bil. dol.	2.2	3.0	6.1	7.3	7.5	5.5	5.8	7.3	6.2	5.4	5.3
Price (cents per lb.) ⁴	Cents/lb.	29.7	39.6	61.0	71.6	76.0	76.0	77.6	81.0	81.0	81.0	72.3
Secondary aluminum ⁵	Bil. dol.	.5	.8	1.7	2.0	2.3	2.5	2.7	3.1	3.1	3.2	3.2
Imports for consumption⁶												
Value	1,000 sh. ton	465	650	840	713	935	998	1,203	1,628	1,565	2,188	2,039
	Bil. dol.	2	4	1.0	1.0	1.4	1.3	1.6	2.5	2.0	2.7	2.9
Exports⁶												
Value	1,000 sh. ton	612	440	773	1,483	857	824	855	809	1,001	830	1,010
	Bil. dol.	4	4	1.1	2.4	1.5	1.2	1.3	1.3	1.3	1.2	1.6
Shipments⁷ (net domestic)	Mil. sh. ton	4.5	4.8	6.9	6.1	6.2	5.8	6.4	7.2	7.0	7.2	7.6
World production, est.	Mil. sh. ton	10.8	13.4	18.0	17.0	16.6	14.8	15.3	17.3	16.9	16.9	17.7
World plant capacity	Mil. sh. ton	12.0	16.4	19.4	18.7	19.0	19.2	19.5	20.1	19.9	19.7	19.7

¹ Preliminary. ² Recoverable aluminum content from scrap, old and new. ³ Calculated based on published prices for primary metal. See footnote 4. ⁴ 1970 and 1975, average aluminum price, from *American Metal Market*; 1979-1986, U.S. producer prices, from *Metals Week*; thereafter, U.S. market price, from *Metals Week*. ⁵ Based on 7 months. ⁶ Crude and semicrude (including metal and alloys, plates, bars, etc., and scrap). ⁷ Compiled by Aluminum Association from data on net shipments of aluminum and mill products. Includes changes in aluminum industry and government inventories and net trade.

Source: U.S. Bureau of Mines, *Mining Yearbook*.

NO. 1212. MAGNESIUM—SUMMARY: 1970 TO 1987

[In thousands of short tons, except as indicated. Magnesium metal is used primarily in the manufacturing of aircraft, automotive, and other types of transportation equipment, material-handling equipment, power tools, and alloying with other metals]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987 ¹
Production (domestic).....	124	148	200	209	200	145	161	207	196	165	■
Primary ²	112	120	162	169	154	102	115	159	150	138	137
Secondary (recovered from scrap).....	12	28	37	40	46	43	46	48	46	46	50
Exports.....	36	33	54	57	36	40	47	46	40	44	49
Value (mil. dol.).....	22.5	46.2	113.8	127.7	90.8	104.8	124.7	136.7	113.8	122.4	130.7
Imports.....	5	8	5	4	7	5	6	8	9	8	12
Value (mil. dol.).....	2.5	11.5	9.0	8.3	17.6	15.5	16.3	26.7	25.1	24.6	31.0
Consumption.....	83	94	109	86	61	75	82	80	84	77	89
Castings and wrought products.....	23	19	19	17	15	14	15	14	17	18	19
Alloys (aluminum).....	37	47	61	64	51	40	46	49	41	41	55
Other.....	33	28	29	54	25	21	21	27	26	18	19
Price per pound (cents).....	35	52	101-109	107-125	125-134	134	139	143-148	148-153	153	153
World production (primary)...	242	258	339	348	340	290	299	360	352	359	³ 360

¹ Preliminary. ² For 1975-1980, figures are the difference between total North American production reported by the International Magnesium Association and Canadian production. ³ Estimated.

NO. 1213. PLATINUM-GROUP METALS—SUMMARY: 1970 TO 1987

[In thousands of troy ounces, except as indicated. The platinum group is comprised of six closely related metals. The metals commonly occur together in nature and are among the scarcest of the metallic elements. The metals are refractory, are chemically inert toward a wide variety of materials even at high temperatures; are used as catalysts in the chemical, petroleum refining, and automotive industries, and as corrosion-resistant materials in the chemical, electrical, glass, and dental-medical industries]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987 ¹
World mine production, total ²	4,239	5,714	6,467	6,545	6,831	6,434	6,535	7,663	7,941	8,314	8,571
United States.....	17	16	7	3	7	6	6	15	(D)	(D)	(D)
Soviet Union.....	2,200	2,650	3,200	3,250	3,350	3,500	3,600	3,700	3,800	3,850	3,900
South Africa.....	1,505	2,600	3,017	3,100	3,110	2,600	2,600	3,500	3,700	■	4,220
Primary refined.....	21	17	8	3	7	9	9	24	7	4	8
Secondary refined.....	360	270	309	331	362	344	305	340	259	354	165
Imports.....	1,411	1,820	3,479	3,502	2,850	2,494	3,218	4,474	3,900	4,477	3,807
Value (mil. dol.).....	105	273	841	1,177	800	554	753	1,118	1,028	1,347	1,240
Exports.....	414	680	900	765	663	838	1,229	1,162	899	751	708
Value (mil. dol.).....	43	86	202	341	302	162	310	275	167	202	235
Consumption ³	1,331	1,369	2,758	2,206	1,621	1,673	1,914	2,200	2,271	2,080	1,944
Industry stocks, Jan. 1.....	1,088	1,122	861	781	673	818	1,107	843	1,319	1,129	1,806
Producer price per troy ounce (dol.):											
Platinum.....	133	164	352	439	475	475	475	475	475	518	600
Palladium.....	56	88	113	214	130	110	120	147	127	131	180
Rhodium.....	215	338	733	766	641	600	600	625	915	1,190	1,239
Iridium.....	156	477	257	505	600	600	600	600	600	600	632
Ruthenium.....	53	50	45	45	45	45	45	45	(D)	(D)	(D)
Osmium.....	215	200	150	150	150	137	110	(D)	(D)	(D)	(D)

D. Withheld to avoid disclosing company proprietary data. ¹ Preliminary. ² Includes countries not shown separately. ³ Reported sales to consumers. ⁴ Price suspended June 7, 1984. ⁵ Price suspended Jan. 13, 1984.

NO. 1214. TITANIUM—SUMMARY: 1970 TO 1987

[In 1985, approximately 83 percent of the titanium metal was used in jet engines, airframes, and space and missile applications; approximately 20 percent was used in the chemical processing industry, power generation, and in marine and ordnance applications; and 17 percent in steel and other alloys]

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987 ¹
Ilmenite concentrate:												
Mine shipments.....	1,000 sh. ton	621	702	646	594	524	233	(D)	(D)	(D)	(D)	(D)
Value.....	Mil. dol.	18.6	28.9	33.0	32.0	37.0	19.1	(D)	(D)	(D)	(D)	(D)
Imports.....	1,000 sh. ton	95	122	184	357	236	348	269	410	507	466	336
Value.....	Mil. dol.	1.0	2.1	2.8	6.7	5.9	5.6	8.3	11.1	14.8	16.8	12.0
Consumption.....	1,000 sh. ton	972	746	791	849	656	583	731	793	796	605	614
Titanium dioxide pigments:												
Production.....	1,000 sh. ton	666	803	742	727	761	680	790	836	864	881	882
Imports for consumption.....	1,000 sh. ton	60	26	105	86	125	139	175	184	196	203	192
Apparent consumption.....	1,000 sh. ton	(NA)	596	837	753	806	741	653	916	965	1,001	1,048
Price, Dec. 31.....												
Anatase.....	Cents/lb	26	39	53	57	69	69	69	69	72	77	77
Rutile.....	Cents/lb	26-27	44	58	63	75	75	75	75	78	82	82
World production:												
Ilmenite concentrate.....	1,000 sh. ton	3,108	3,194	3,810	4,167	4,021	3,339	² 2,954	³ 3,637	⁴ 3,697	⁵ 3,741	⁶ 4,087
Titanium slag.....	1,000 sh. ton	853	832	842	1,319	1,346	1,157	1,160	1,280	1,410	1,417	1,472
Rutile concentrate, natural ⁷	1,000 sh. ton	480	422	390	480	369	373	348	379	411	433	486

D. Withheld to avoid disclosing company proprietary data. NA. Not available. ¹ Preliminary. ² Excludes U.S. production data to avoid disclosing company proprietary data.

Source of tables 1212-1214: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1215. CHROMITE—SUMMARY: 1970 TO 1987

[In thousands of short tons, except as indicated]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
Imports for consumption ¹	1,405	1,252	1,024	982	888	507	180	305	414	488	540
Value (mil. dol.)	31.8	80.7	55.8	58.5	48.9	28.7	10.4	15.5	20.2	21.7	23.8
South Africa	407	388	353	405	482	277	144	235	301	341	278
Soviet Union	248	348	280	170	111	34	(2)	-	-	22	21
Philippines	210	210	194	138	145	70	13	48	41	19	16
Exports	41	138	27	8	71	8	11	55	101	92	1
Reexports	73	45	28	44	67	57	5	4	4	1	5
Consumption, total	1,403	881	1,214	977	889	558	320	512	580	427	558
Metallurgical industry	912	532	774	577	503	283	64	228	273	377	505
Refractory industry	278	183	188	180	148	80	72	97	85	50	50
Chemical industry	213	166	242	240	238	195	184	189	222	(?)	(?)
Stocks, Dec. 31 (consumer)	733	952	907	675	728	548	458	327	300	314	384
World production ²	8,672	9,138	10,277	10,915	10,018	9,231	8,059	10,777	11,888	12,327	12,222
South Africa	1,573	2,288	3,634	3,783	3,184	2,680	2,718	3,758	4,077	4,307	4,175
Soviet Union	1,830	2,290	2,535	3,200	3,200	3,240	3,240	3,240	3,240	3,470	3,470
Philippines	824	573	813	547	484	355	394	288	300	202	190

- Represents zero. Z Fewer than 500 short tons. ¹ Includes countries not shown separately. ² For 1986-87, chemical industry included with metallurgical industry.

Source: U.S. Bureau of Mines, Minerals Yearbook.

No. 1216. FERROALLOYS—SUMMARY: 1970 TO 1987

[Domestic production data for ferroalloys are developed by the Bureau of Mines by means of monthly and annual surveys. Ferroalloy is defined as an alloy of iron and contains a sufficient amount of one or more chemical elements to be useful as an agent for introducing these elements into molten metal, usually steel. The major consumers of ferroalloys are the steel and ferrous foundry industries; see tables 1298-1301]

ITEM	QUANTITY (1,000 sh. tons)						VALUE (mil. dol.)					
	1970	1975	1980	1985	1986	1987, prel.	1970	1975	1980	1985	1986	1987, prel.
Domestic shipments ¹	2,488.8	1,788.1	1,488.1	941.7	864.8	(NA)	848.1	888.7	1,128.9	888.2	884.8	(NA)
Ferromanganese ²	807.4	558.1	194.3	158.8	111.8	(NA)	134.5	222.5	88.8	100.9	80.8	(NA)
Silicomanganese	173.0	128.4	161.6	(?)	(?)	(?)	32.0	53.9	70.3	(?)	(?)	(?)
Manganese metal	(NA)	22.1	(NA)	(?)	(?)	(?)	(NA)	(NA)	(NA)	(?)	(?)	(?)
Ferrosilicon	659.2	708.9	681.4	404.7	371.3	375.0	198.2	321.5	442.8	190.4	218.4	(NA)
Silicon metal	97.7	131.1	124.5	121.8	126.1	140.5	(NA)	(NA)	(NA)	157.2	148.8	(NA)
Chromium alloys	370.9	223.5	237.5	108.5	115.7	128.5	128.3	177.5	179.9	97.7	87.6	(NA)
Ferrocolumbium	1.4	5	1.3	(D)	(D)	(D)	8.4	3.5	34.5	8.8	(D)	(D)
Ferrophosphorus	178.1	98.0	85.4	54.9	53.8	(NA)	6.5	10.9	13.1	7.9	7.2	(NA)
U.S. exports	(NA)	(NA)	188.5	108.8	83.7	(NA)	(NA)	(NA)	173.8	138.3	15.2	(NA)
Ferroalloys	151.1	97.4	128.5	98.5	72.8	(NA)	55.7	58.8	83.1	63.4	38.2	(NA)
Metals ¹	(NA)	(NA)	27.0	7.5	10.8	15.1	(NA)	(NA)	80.7	71.9	78.0	115.9
Silicon	(NA)	(NA)	14.4	2.1	5.4	9.3	(NA)	(NA)	65.5	61.6	65.2	106.2
Manganese	3.0	3.3	12.3	5.2	5.1	5.8	2.0	3.3	11.5	7.2	7.9	9.7
U.S. imports	(NA)	827.3	1,148.1	1,131.2	1,314.2	1,238.7	(NA)	488.8	843.7	880.5	841.3	842.8
Ferroalloys	385.5	913.8	1,115.9	1,088.8	1,258.2	1,123.7	80.5	488.0	585.9	488.4	544.6	436.0
Manganese alloys	305.5	451.9	883.5	532.7	594.5	558.1	33.5	151.4	240.8	155.9	179.4	172.1
Ferrosilicon	22.4	70.4	71.2	155.4	223.0	230.7	4.1	42.0	42.6	74.0	100.6	108.7
Chromium alloys	41.3	322.9	302.3	335.0	397.6	333.9	9.6	182.7	135.8	158.6	178.4	155.2
Metals	(NA)	13.7	33.2	84.3	55.0	50.2	(NA)	18.8	57.8	112.0	98.8	108.0
Silicon	(NA)	7.7	21.3	51.8	40.8	38.9	(NA)	8.2	21.4	63.4	65.2	74.3
Chromium	1.9	1.8	4.1	4.0	4.5	4.4	3.1	6.6	26.4	18.8	21.6	24.1
Manganese	1.3	4.4	7.8	8.8	9.7	8.9	.5	4.0	8.0	9.1	8.5	9.6

D Withheld to avoid disclosure of individual company data. NA Not available. ¹ Includes other not shown separately. ² Includes fused-salt electrolytic low and medium-carbon ferromanganese. ³ Included with ferromanganese.

Source: U.S. Bureau of Mines, Minerals Yearbook.

No. 1217. BERYLLIUM—SUMMARY: 1970 TO 1987

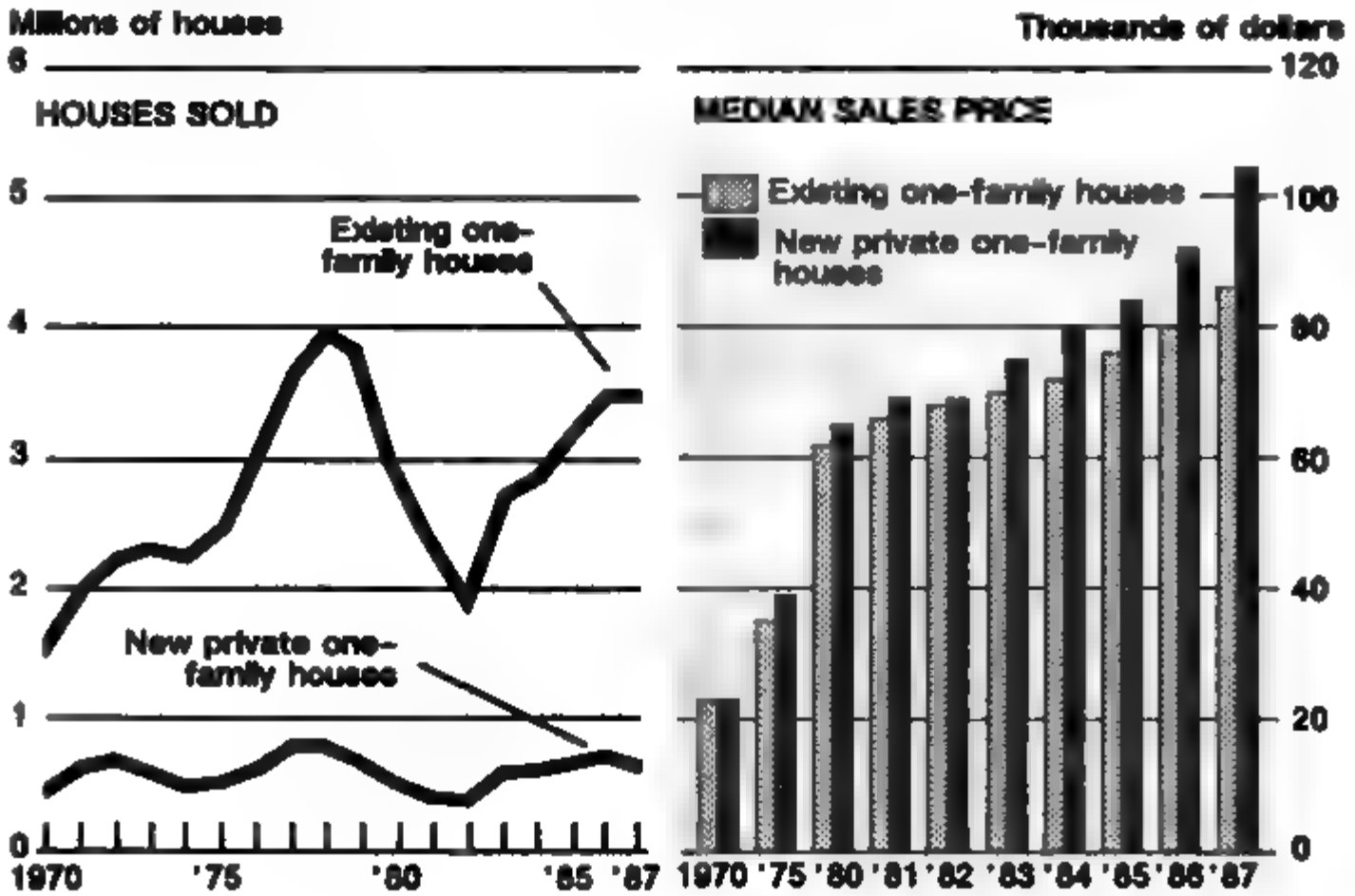
[In short tons, except as indicated Represents beryllium mineral concentrates. Beryllium has great stiffness, (exceeding that of other metals, including steel), useful heat dissipation properties, a very high strength-to-weight ratio, useful nuclear moderating and reflecting properties, and excellent corrosion resistance. Its major use is as a beryllium-copper alloy in communications, computers, switching, and other electronic and electrical applications]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
Imports for consumption	4,842	1,479	1,037	1,703	2,138	2,852	2,194	1,332	1,646	1,510	2,302
Consumption ¹	9,495	4,850	9,518	8,508	8,141	5,387	6,989	9,003	(NA)	(NA)	(NA)
Price, per short ton unit BeO ² (dollars)	36	32	47	89	94	121	129	98	87	88	84
Year-end stocks ¹	5,888	3,545	835	1,350	2,223	5,112	7,037	5,863	(NA)	(NA)	(NA)
World production of beryl	8,887	3,280	2,642	10,272	10,808	9,000	8,980	9,850	8,984	8,887	9,480

NA Not available. ¹ Includes bertrandite ore which was calculated as equivalent to beryl containing 11% BeO. ² Approximate.

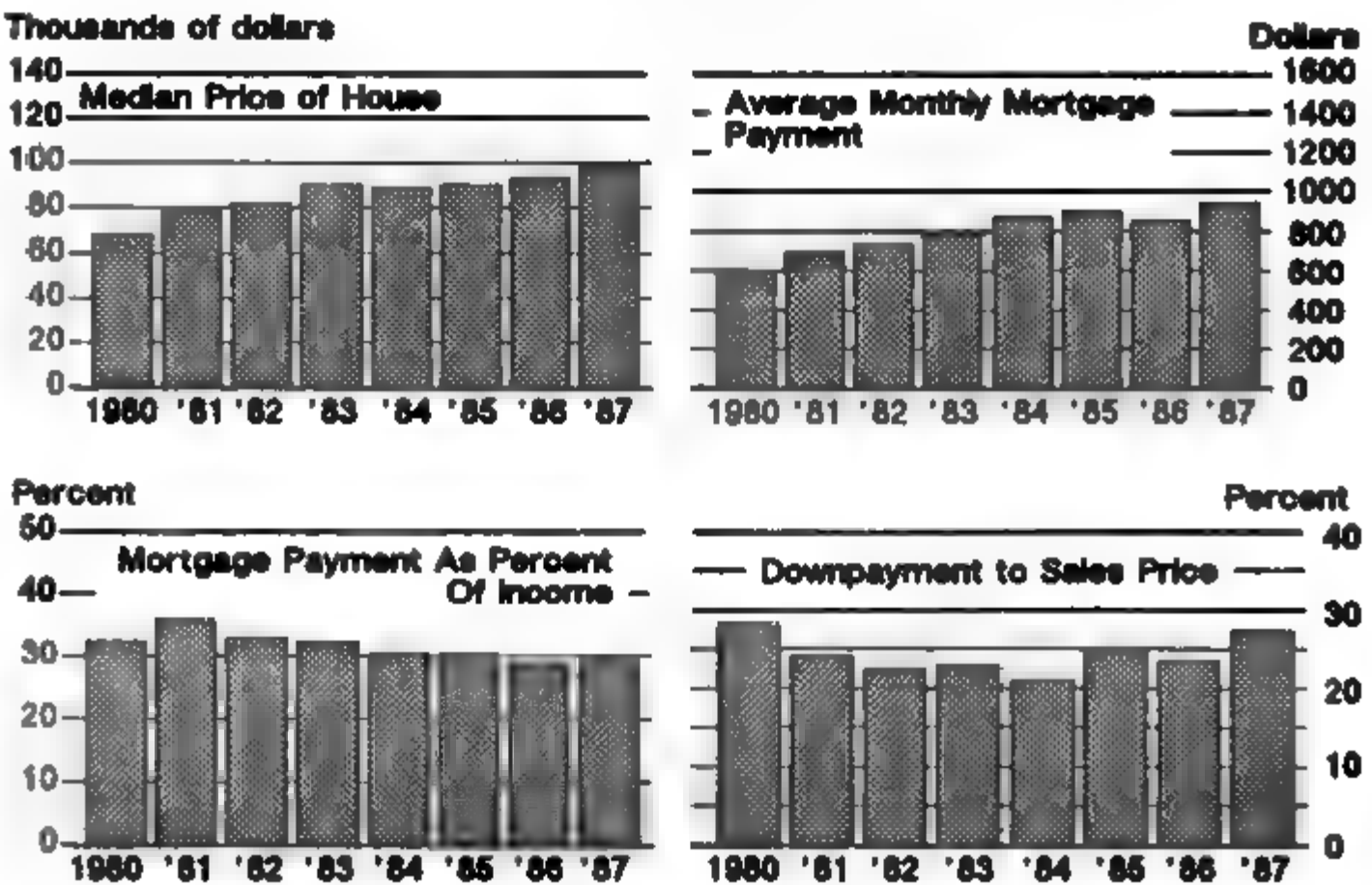
Source: U.S. Bureau of Mines, Minerals Yearbook.

Figure 26.1
Houses Sold and Sales Price: 1970 to 1987



Source: Chart prepared by U.S. Bureau of the Census. For data see tables 1232, 1233 and 1235.

Figure 26.2
Recent Home Buyers—General Characteristics: 1980 to 1987



Source: Chart prepared by U.S. Bureau of the Census. For data see table 1254.



Section 26

Construction and Housing

This section presents data on the construction industry and on various indicators of its activity and costs; on housing units and their characteristics and occupants; on public housing; on mortgages; and on commercial buildings.

The principal source of these data is the U.S. Bureau of the Census, which issues a variety of current publications. Construction statistics compiled by the Bureau appear in its monthly *Current Construction Reports* series with various quarterly or annual supplements; *Housing Starts* and *Housing Completions* present data by type of structure and by 4 major census regions; *New One-Family Houses Sold and For Sale* also provides statistics annually on physical and financial characteristics for all new housing by the 4 major census regions; *Value of New Construction Put in Place* includes monthly composite construction cost indexes; *Price Index of New One-Family Houses Sold* presents quarterly figures and annual regional data, and *Housing Units Authorized by Building Permits* covers approximately 17,000 permit-issuing jurisdictions in the United States. Statistics on expenditures by owners of residential properties are issued quarterly and annually in *Expenditures for Residential Upkeep and Improvements*. Reports of the censuses of construction industries (see below) are also issued on various topics.

Other Census Bureau publications include the *Current Housing Reports* series, which comprises the quarterly *Housing Vacancies*, the quarterly *Market Absorption of Apartments*, the American Housing Survey (formerly Annual Housing Survey) and reports of the censuses of housing and of construction industries. *Construction Review*, published quarterly by the International Trade Administration, U.S. Department of Commerce, contains many of the census series and other construction statistics series from the Federal Government and private agencies.

Other sources include the monthly *Dodge Construction Potentials* of F. W. Dodge Division, McGraw-Hill Information Systems Company, New York, NY, which presents State data on construction contracts, the National Association of Home Builders with State-level data on housing starts, the NATIONAL ASSOCIATION OF REALTORS, which presents data on existing home sales; the Bureau of Economic Analysis, which presents data on residential capital and gross housing product; and the Federal Home Loan Bank Board, the Department of Housing and Urban Development (HUD), and the Veterans Administration, which publish financial data. Data on conventional home mortgages are provided by the Federal Home Loan Bank Board. The Department of Housing and Urban Development provides data on the gross flow of long-term mortgage loans in its study, *The Supply of Mortgage Credit, 1970-1979*. Data on mortgages insured by the Federal Housing Administration (FHA) and on VA-guaranteed loans are also presented in this section. The Energy Information Administration provides data on commercial buildings through its periodic sample surveys.

Censuses and surveys.—Censuses of the construction industry were first conducted by the Bureau of the Census for 1929, 1935, and 1939; beginning in 1967, a census has been taken every five years (for years ending in "2" and "7"). The latest reports are for 1982.

The 1982 Census of Construction Industries, in accordance with the 1972 *Standard Industrial Classification Manual* (see text, section 13), defines a construction establishment as a relatively permanent place of business where the usual business activities related to construction are conducted.

From 1950 through 1980, the Bureau of the Census collected some housing data as part of its censuses of population and agriculture. Beginning in 1940, separate censuses of housing have been taken at 10-year intervals. For the 1970 and 1980 censuses, data on year-round housing units were collected and issued on occupancy and structural characteristics, plumbing facilities, value, and rent.

Evaluation studies of the 1950, 1960, 1970, and 1980 censuses estimated the underenumeration of occupied housing units at 2.9 percent, 2.4 percent, 1.7 percent, and 1.5 percent respectively. The missed rate in 1980 for all housing units was 2.6 percent or approximately 2.3 million units, 1 million of which were vacant housing units.

The American Housing Survey (*Current Housing Reports*, series H-150 and H-170), which began in 1973, provided an annual and ongoing series of data on selected housing and demographic characteristics until 1983. In 1984 the name of the survey was changed from the Annual Housing Survey. It is currently based on a biennial national sample and on 11 annual MSA samples. All samples represent a cross section of the housing stock in their respective areas. Estimates are subject to both sampling and nonsampling errors; caution should therefore, be used in making comparisons with 1970 and 1980 census data.

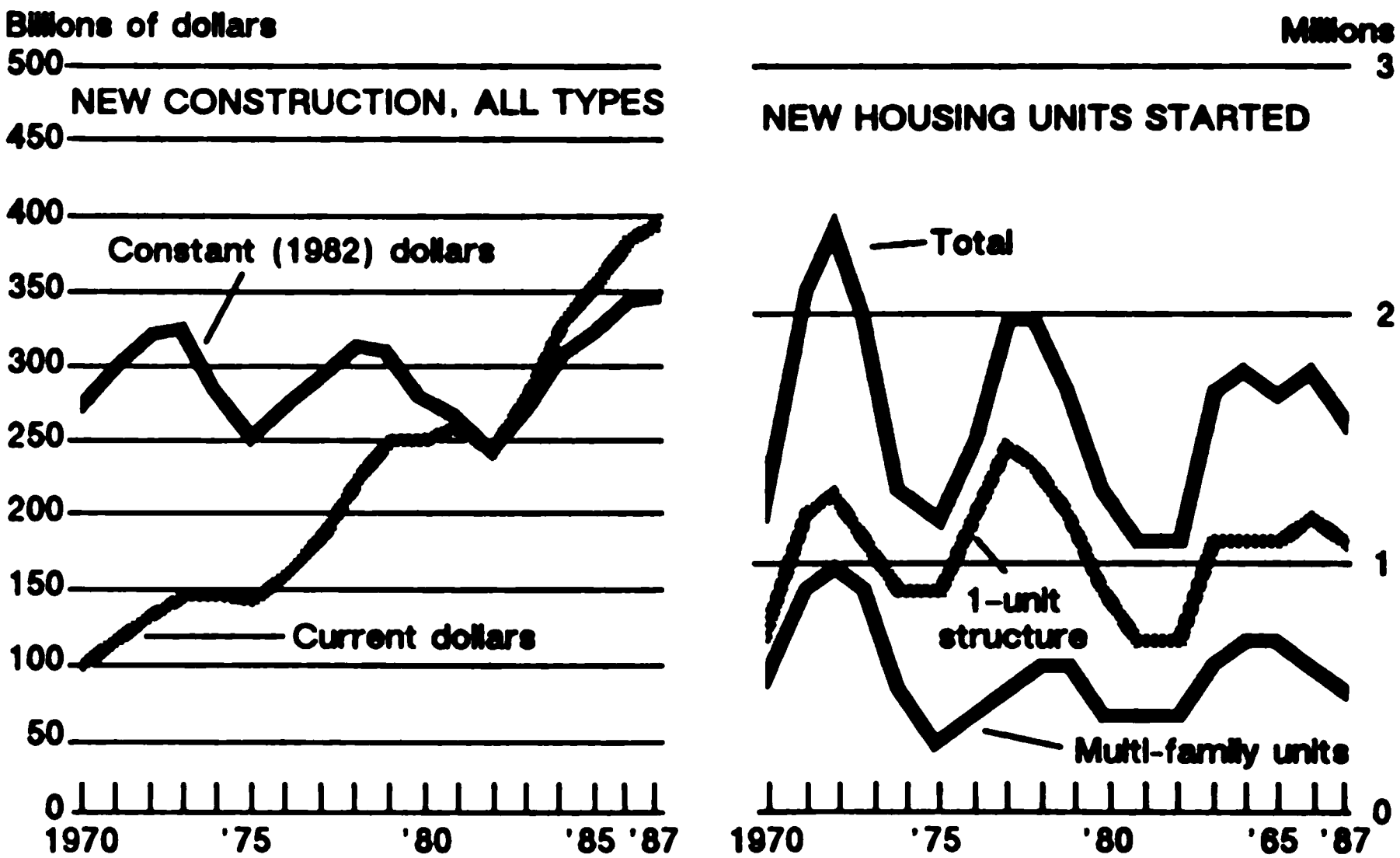
Data on residential mortgages were collected continuously from 1890 to 1970, except 1930, as part of the decennial census by the Bureau of the Census. Since 1973, mortgage status data, which are limited to single family homes on less than ten acres with no business on the property, have been presented in the American Housing Survey.

Housing units.—In general, a housing unit is a group of rooms or a single room occupied or intended for occupancy as separate living quarters; that is, the occupants do not live and eat with any other persons in the structure, and there is either (1) direct access from the outside or through a common hall, or (2) complete kitchen facilities for the exclusive use of the occupants. Transient accommodations, barracks for workers, and institutional-type quarters are not counted as housing units.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

Figure 26.3
Value of New Construction and
Housing Units Started: 1970 to 1987



Source: Chart prepared by U. S. Bureau of the Census. For data see tables 1221 and 1228.

NO. 1218. CONSTRUCTION INDUSTRIES—SUMMARY, BY INDUSTRY: 1982

(Based on a probability sample of about 172,000 construction establishments with payroll in 1982; see Appendix III, N.A.C.—Not elsewhere classified)

INDUSTRY	Estab- lish- ments with payroll (1,000)	EMPLOYEES (1,000)		PAYROLL (mil. dol.)		RECEIPTS (mil. dol.)		Value added ² (mil. dol.)
		Total	Con- struction workers	Total	Con- struction workers	Total	Net construc- tion ¹	
All industries, total.....	488.7	4,278	3,488	78,888	68,178	324,612	233,967	146,986
Contract construction.....	480.8	4,238	3,438	78,087	68,017	321,100	232,005	144,946
General building contractors.....	123.2	894	756	17,049	11,647	117,111	67,367	33,586
Single-family houses.....	72.1	310	263	3,806	2,749	20,129	14,116	7,877
Other residential buildings.....	7.5	63	50	1,078	780	7,853	3,570	1,951
Operative builders.....	14.1	108	83	1,874	710	18,085	8,841	5,493
Industrial buildings and warehouses.....	7.4	154	122	3,231	2,344	18,119	9,294	5,756
Nonresidential buildings, n.e.c.....	22.1	360	278	7,280	5,385	52,825	21,547	12,512
Heavy construction contractors.....	28.2	852	703	19,444	15,369	71,024	54,954	36,080
Highway and street construction.....	10.1	213	180	3,888	3,138	19,035	14,987	8,838
Bridges, tunnel, and elevated highway.....	1.0	38	32	816	685	3,549	2,812	1,488
Water sewer, and utility lines.....	8.4	187	160	3,578	2,807	12,129	10,482	7,005
Heavy construction, n.e.c.....	7.7	418	329	11,063	8,849	35,310	26,382	18,853
Special trade contractors ³	298.4	2,366	1,979	41,905	33,011	132,865	119,884	75,298
Plumbing, heating, air-conditioning.....	60.2	512	385	9,881	7,477	33,521	28,848	16,882
Painting, paperhanging, decorating.....	24.8	138	121	1,878	1,589	4,888	4,366	3,380
Electrical work.....	38.8	436	362	9,107	7,347	26,441	25,252	15,123
Masonry and other stonework.....	20.2	121	110	1,551	1,344	4,333	4,046	2,667
Plastering, drywall, insulation.....	18.4	200	172	3,573	2,830	10,206	9,215	6,008
Carpentering.....	30.8	183	117	1,812	1,362	5,512	4,769	2,828
Roofing and sheet metal work.....	21.1	191	198	3,085	2,321	10,094	8,315	5,480
Concrete work.....	20.0	157	138	2,310	1,802	6,377	7,447	4,482
Structural steel erection.....	3.7	62	53	1,291	1,036	3,880	3,233	2,378
Excavating and foundation work.....	18.8	138	118	2,152	1,757	6,473	7,337	5,507
Installing building equipment, n.e.c.....	3.8	60	48	1,449	1,145	4,286	3,971	2,852
Special trade contractors, n.e.c.....	25.1	172	138	2,880	1,831	8,378	6,324	5,308
Subdividers and developers, n.e.c.....	5.9	40	15	568	157	3,425	1,283	1,018

¹ Construction receipts less payments for construction work subcontracted to others, not shown separately. ² Total receipts less (a) payments for materials, components, and supplies, (b) payments for construction work subcontracted to others, not shown separately. ³ Includes other industries each with less than \$5.0 billion in total receipts, not shown separately.

Source: U.S. Bureau of the Census, *Census of Construction Industries, 1982*, series CC.

NO. 1219. CONSTRUCTION MATERIALS—PRODUCER PRICE INDEXES: 1970 TO 1987

(1969=100, except as noted. For discussion of producer price index, see text, section 15. Covers materials incorporated as integral part of a building or normally installed during construction and not readily removable. Excludes consumer durables such as kitchen ranges, refrigerators, etc. See *Historical Statistics, Colonial Times to 1970*, series N 140-155 for similar data.)

COMMODITY	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Interior solvent based paint.....	40.1	60.2	91.3	97.4	100.0	100.0	103.9	107.3	109.9	111.6
Plastic construction products.....	85.5	83.5	108.8	104.3	100.0	110.1	115.5	108.6	108.4	108.4
Douglas fir, dressed.....	40.8	79.6	132.6	117.1	100.0	136.8	123.2	126.5	124.5	125.1
Southern pine, dressed.....	40.1	61.3	104.0	102.0	100.0	111.8	111.8	105.2	104.9	114.1
Millwork.....	41.5	67.4	93.2	97.8	100.0	108.2	110.2	111.7	113.7	117.7
Softwood plywood.....	40.3	71.1	109.5	108.7	100.0	110.0	107.6	107.4	108.4	108.8
Hardwood plywood and related products.....	56.6	86.0	97.5	99.3	100.0	99.3	99.8	99.9	91.0	82.9
Softwood plywood veneer, ex. reinforced/backed.....	(NA)	75.2	128.0	118.9	100.0	103.1	103.3	100.1	105.9	108.4
Building paper and building board mill products.....	42.2	53.1	86.1	96.7	100.0	104.4	106.2	107.4	106.8	111.2
Sheet, coiled, bare, siding.....	38.7	58.2	87.8	99.1	100.0	101.7	113.2	106.2	100.2	(NA)
Tube, drawn, 6000 alloy series.....	35.6	58.5	85.6	94.0	100.0	100.9	109.7	109.7	109.8	111.2
Copper tubing, plumbing.....	(NA)	(NA)	(NA)	115.2	100.0	104.6	105.1	103.6	106.0	(NA)
Builders hardware.....	41.7	58.7	84.9	94.4	100.0	104.8	109.3	113.5	115.8	117.4
Plumbing fixtures and brass fittings.....	38.9	58.2	86.9	96.0	100.0	103.8	108.8	111.9	115.5	119.7
Heating equipment.....	48.6	83.5	87.0	94.5	100.0	102.7	106.6	109.5	113.0	115.5
Metal doors, sash, and trim.....	38.9	55.9	87.8	96.0	100.0	102.8	106.6	107.1	108.9	112.0
Flooring, steel.....	32.4	82.8	87.5	96.3	100.0	(NA)	101.8	100.4	100.0	97.7
Siding, aluminum ¹	(NA)	(NA)	(NA)	(NA)	(NA)	101.3	112.4	110.1	104.6	104.4
Fabricated structural metal for buildings.....	35.0	64.1	86.4	94.7	(NA)	98.8	100.3	103.2	103.9	107.6
Fabricated concrete reinforcing bars.....	(NA)	(NA)	104.2	102.6	100.0	90.6	94.6	94.4	95.3	90.8
Incandescent outdoor.....	34.4	53.0	82.7	92.8	100.0	104.7	109.2	109.2	112.0	117.2
Commercial fluorescent fixtures, recessed non-air.....	51.1	61.0	81.8	93.4	100.0	99.5	103.3	104.6	105.9	104.9
Industrial fluorescent fixtures, general types.....	44.5	59.6	82.5	90.9	(NA)	103.0	108.6	112.5	113.4	111.9
Bright nails.....	31.4	66.1	90.9	97.7	100.0	98.0	99.4	100.2	98.8	101.2
Welded steel wire fabric for concrete reinforcing.....	40.6	(NA)	98.9	96.8	100.0	98.5	101.9	101.3	98.8	98.3
Elevators, escalators, and other lifts.....	42.3	62.0	87.3	92.7	100.0	97.3	97.1	97.7	99.2	100.4
Fans and blowers, except portable.....	34.3	60.5	88.1	95.6	100.0	100.5	103.7	107.1	109.4	110.5
Stamped metal outlet box.....	31.4	(NA)	82.7	91.2	100.0	105.2	114.9	119.7	152.0	160.1
Hard surface floor coverings.....	41.0	60.7	93.3	98.2	100.0	102.8	106.0	110.5	113.4	118.1
Concrete ingredients and related products.....	36.3	55.6	88.4	95.6	100.0	101.1	105.1	108.5	109.4	110.4
Concrete products.....	37.7	57.3	92.0	97.8	100.0	101.4	103.9	107.5	109.2	109.4
Clay construction products exc. refractories.....	42.1	58.0	86.8	95.8	100.0	106.5	110.0	113.5	118.0	121.4
Prep. asphalt and tar roofing and siding products.....	28.8	61.7	105.5	101.8	100.0	94.1	97.7	100.5	96.8	91.9
Other asphalt roofing.....	19.3	45.9	86.8	103.8	100.0	101.4	105.8	105.6	97.8	90.5
Gypsum products.....	38.9	58.2	100.1	100.1	100.0	111.7	135.4	132.3	137.0	125.2
Insulation materials.....	34.8	65.0	80.7	(NA)	100.0	103.7	104.0	105.2	106.7	105.0
Painting mixtures and blocks.....	18.1	44.0	83.7	100.5	100.0	100.9	108.1	111.6	104.9	100.8

NA Not available. ¹ December 1982=100.Source: U.S. Bureau of Labor Statistics, *Producer Price Indexes*, monthly and annual, and unpublished data.

No. 1220. PRICE AND COST INDEXES FOR CONSTRUCTION: 1970 TO 1987

[1982=100. Excludes Alaska and Hawaii. Indexes of certain of these sources are published on bases different from those shown here. See *Historical Statistics, Colonial Times to 1970*, series N 118-137, for construction cost indexes on a 1947-49 base.]

NAME OF INDEX	1970	1975	1979	1980	1981	1983	1984	1985	1986	1987
Price index for new one-family houses sold ¹	35.1	52.3	80.1	88.8	97.0	102.8	106.3	108.4	111.3	113.7
Dept. of Commerce composite ²	38.5	55.4	80.9	88.7	97.1	102.8	106.4	109.6	111.6	114.3
Federal Highway Admin. composite, Highways ³	39.5	65.9	97.1	111.0	108.7	99.8	106.8	117.2	116.9	117.2
Bureau of Reclamation composite ⁴	37	59	78	87	96	101	103	105	106	107
Turner Construction Co. Building construction ⁵	40	61	76	84	93	105	111	115	116	122
E.H. Boeckh, building cost index ⁶										
Small residential structures	36.3	57.4	80.7	87.4	92.2	105.9	111.9	115.1	117.3	119.7
Apartments, hotels, and office buildings	38.3	57.1	78.5	83.4	91.6	106.4	111.2	113.0	114.9	117.3
Commercial and factory buildings	38.6	56.2	77.1	84.1	92.2	106.3	109.4	111.3	113.2	115.1
Engineering News-Record ⁷										
Building construction	37.4	58.5	81.4	87.0	93.9	108.7	108.2	108.7	111.2	113.8
General construction	38.2	57.8	78.5	84.8	92.5	108.3	108.4	109.7	112.3	115.2
Hendy-Whitman public utility ⁸										
Building	37	66	86	95	100	108	107	110	113	115
Electric light and power ⁹	35	60	78	87	95	103	105	107	107	109

¹ Excludes value of site. ² Covers both building and nonbuilding construction, excluding maintenance and repair. Represents a weighted average of various indexes used for different types of construction. ³ Based on average contract unit bid prices for composite mile (involving specific average amounts of excavation, paving, reinforcing steel, structural steel, and structural concrete). ⁴ Derived from the four quarterly indexes which are weighted averages of costs of labor, materials, and equipment for the construction of dams and reclamation projects. ⁵ Eastern cities. Based on firm's cost experience with respect to labor rates, materials prices, competitive conditions, efficiency of plant and management, and productivity. Reflects payment of sales taxes and employee-benefit costs. ⁶ Average of 20 cities for types shown. Weights based on surveys of building costs. Wage rates used for both common and skilled labor. Reflects payment of sales taxes and Social Security payroll taxes. ⁷ Building construction index computed on basis of hypothetical unit of construction requiring 6 bbl. of portland cement, 1,000 M bd. ft. of 2" x 4" lumber, 2,500 lb. of structural steel, and 88.38 hours of skilled labor. General construction index based on same materials components combined with 200 hours of common labor. ⁸ Based on data covering public utility construction costs for 95 firms in 6 geographic regions. Covers skilled and common labor; does not reflect tax payments nor employee-benefit costs. ⁹ As derived by U.S. Bureau of the Census. Covers steam production plants only; excludes hydraulic plants.

Source: U.S. Bureau of the Census. In U.S. Department of Commerce, International Trade Administration, *Construction Review*, bimonthly.

No. 1221. VALUE OF NEW CONSTRUCTION PUT IN PLACE: 1960 TO 1987

[In millions of dollars. Represents value of construction put in place during year; differs from building permit and construction contract data in timing and coverage. Includes installed cost of normal building service equipment and selected types of industrial production equipment (largely site fabricated). Excludes cost of shipbuilding, land, and most types of machinery and equipment. For methodology, see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series N 1-29 and N 86-89.]

YEAR	CURRENT DOLLARS					CONSTANT (1982) DOLLARS				
	Total	Private			Public	Total	Private			Public
		Total	Residential buildings	Nonresidential buildings			Total	Residential buildings	Nonresidential buildings	
1960	54,736	38,875	22,876	10,149	15,853	(NA)	(NA)	(NA)	(NA)	(NA)
1965	78,474	58,864	30,235	17,986	21,820	278,033	198,783	107,240	63,223	77,250
1966	81,812	57,888	28,611	19,701	23,848	275,858	185,319	98,862	68,586	60,637
1967	83,521	58,144	28,737	18,855	25,377	272,884	189,978	94,372	61,829	62,888
1968	93,183	65,745	34,172	19,402	27,437	288,451	203,458	108,280	59,942	64,996
1969	100,464	72,671	37,214	22,530	27,783	291,289	210,743	108,835	64,346	60,546
1970	101,261	73,374	35,863	22,770	27,808	277,616	202,989	102,286	60,851	74,860
1971	117,904	88,206	48,514	23,872	29,889	302,795	229,086	130,477	58,786	73,699
1972	133,887	103,857	60,883	26,025	30,030	323,535	253,182	152,562	69,859	70,343
1973	147,388	115,020	68,085	29,849	32,348	327,289	257,108	148,978	63,806	70,194
1974	147,763	109,631	58,967	31,325	36,132	295,188	216,795	118,814	68,274	68,380
1975	144,311	102,610	51,561	27,545	41,702	255,870	189,284	98,542	49,037	69,387
1976	162,953	122,064	68,273	27,026	40,869	276,884	210,507	122,513	48,136	68,357
1977	186,048	148,807	92,004	29,893	39,441	295,876	235,386	148,320	47,114	60,510
1978	225,934	178,440	108,838	37,580	47,495	315,895	251,067	154,864	53,610	64,839
1979	252,411	200,720	116,444	49,505	51,680	311,973	250,349	144,450	62,877	61,624
1980	251,719	193,251	100,361	55,431	58,468	280,741	218,813	112,972	63,833	61,928
1981	260,180	203,611	99,241	64,886	56,549	268,055	211,039	102,140	67,759	57,016
1982	248,588	192,855	84,876	60,365	53,713	246,803	192,784	84,646	60,325	53,809
1983	261,266	227,484	125,521	65,675	53,772	274,106	220,729	122,088	63,234	53,377
1984	328,641	270,877	163,849	81,147	57,864	306,795	253,478	144,393	74,787	65,287
1985	355,735	291,686	159,474	95,317	64,070	324,611	268,858	145,804	85,487	67,853
1986	388,093	314,852	187,146	91,171	71,441	345,332	281,758	166,573	78,823	63,576
1987	398,850	323,820	184,772	91,884	75,030	348,985	282,951	171,310	78,183	68,044

NA Not available.

Source: U.S. Bureau of the Census, *Construction Reports*, series C20.

**NO. 1222. VALUE OF NEW CONSTRUCTION PUT IN PLACE IN CURRENT AND CONSTANT (1982)
DOLLARS: 1980 TO 1987**

(In millions of dollars, except percent. Represents value of construction put in place during year; differs from building permit and construction contract data in timing and coverage. Includes installed cost of normal building service equipment and selected types of industrial production equipment (largely also fabricated). Excludes cost of shipbuilding, land, and most types of machinery and equipment. For details on definition of constant value and description of revised series, see source. For description of values of revisions and deflators used, see *Construction Reports*, series C20-605. For methodology, see Appendix B. See also *Historical Statistics, Colonial Times to 1876*, series H 1-29 and H 69-99.)

TYPE	CURRENT DOLLARS					CONSTANT (1982) DOLLARS				
	1980	1984	1985	1986	1987	1980	1984	1985	1986	1987
Total	281,719	328,641	346,736	368,958	395,899	289,741	369,766	384,811	346,322	346,896
Average annual percent change ¹	-3	6.9	6.2	6.5	3.3	-10.0	2.4	5.1	6.4	1.1
Private	188,351	278,677	291,866	314,882	323,889	216,813	353,476	369,899	291,796	282,891
Residential buildings ²	100,391	153,846	158,474	187,146	194,772	112,972	144,383	145,804	166,573	171,319
New housing units	68,929	113,826	114,882	133,192	138,915	78,379	108,673	105,505	119,890	123,079
1 unit	52,821	85,805	86,123	102,154	114,493	59,537	89,982	79,237	92,026	100,688
2 or more units	16,708	28,221	28,539	31,038	25,452	18,842	28,510	26,268	27,864	22,409
Improvements	30,752	40,023	43,812	53,956	54,857	34,594	37,521	40,292	46,583	48,234
Nonresidential buildings ³	55,431	81,147	85,317	91,171	91,864	63,833	74,767	85,487	79,823	78,183
Industrial	13,837	13,745	15,788	13,747	13,707	15,948	12,885	14,145	12,038	11,648
Office	13,318	25,840	21,580	28,581	26,439	15,323	23,898	29,331	25,037	22,468
Hotels, motels	2,800	6,751	7,301	7,451	7,389	3,373	6,226	6,550	6,522	6,278
Other commercial	16,827	22,167	28,048	29,170	29,615	18,153	23,409	25,153	24,880	24,852
Religious	1,637	2,132	2,408	2,702	2,753	1,884	1,885	2,198	2,365	2,340
Educational	1,243	1,893	1,888	2,343	3,438	1,498	1,520	1,700	2,069	2,822
Hospital, institutional	4,046	6,297	5,993	5,422	6,095	4,896	5,811	5,811	4,747	5,130
Miscellaneous	1,784	2,455	2,729	2,745	3,236	2,088	2,263	2,448	2,409	2,750
Farm nonresidential	5,274	3,161	2,187	2,072	1,883	6,067	2,815	1,873	1,814	1,584
Public utilities	30,915	30,915	32,852	31,987	32,580	34,898	28,545	30,894	29,480	28,522
Telephone, telegraph	8,733	7,174	7,484	8,445	8,530	7,804	6,818	7,825	7,731	7,813
Other public utilities	24,181	23,741	25,468	23,542	24,050	27,094	22,727	23,069	21,750	21,808
Railroads	2,319	3,513	4,048	2,891	2,587	2,395	3,431	3,708	2,813	2,333
Electric light, power ⁴	16,048	15,854	15,889	15,382	15,815	18,321	14,848	14,943	14,245	14,442
Gas	5,006	4,303	5,182	4,873	5,279	5,505	4,185	4,930	4,834	4,788
Petroleum pipelines	808	271	272	286	388	886	283	280	286	335
All other private	1,250	1,805	2,728	2,275	2,811	1,273	1,898	2,930	2,056	2,353
Public	93,468	57,864	64,870	71,441	75,889	61,898	65,387	57,993	68,526	68,844
Buildings	18,517	17,883	20,114	23,456	25,158	21,259	18,513	19,076	20,584	21,431
Housing, redevelopment	1,648	1,836	1,511	1,466	1,519	1,854	1,537	1,382	1,313	1,337
Industrial	1,441	1,828	1,988	1,857	1,457	1,880	1,886	1,787	1,450	1,238
Educational	8,030	5,567	6,708	8,440	8,838	8,255	5,122	6,814	7,382	7,508
Hospital	1,785	2,038	2,017	1,989	2,309	2,053	1,891	1,810	1,730	1,877
Other	5,989	6,822	7,910	9,905	11,136	8,438	6,387	7,084	8,988	9,488
Highways and streets	17,225	18,771	21,540	22,882	22,757	15,782	18,353	18,803	19,386	19,812
Military facilities	1,880	2,839	3,235	3,867	4,324	1,924	2,696	2,872	3,383	3,718
Conservation, development	5,080	4,854	4,778	4,847	5,181	5,771	4,541	4,587	4,405	4,824
Sewer systems	7,171	6,241	7,188	8,105	8,835	8,129	6,086	6,902	7,881	8,258
Water supply facilities	3,286	2,821	2,884	3,370	3,832	3,852	2,590	2,551	3,188	3,518
Miscellaneous	5,218	4,854	4,541	5,213	5,194	5,400	4,548	4,182	4,801	4,683
Public ownership:										
State and local government	46,827	48,423	52,886	59,030	60,895	(NA)	(NA)	(NA)	(NA)	(NA)
Federal government	9,841	11,240	12,004	12,411	14,075	(NA)	(NA)	(NA)	(NA)	(NA)

NA: Not available. ¹Change from immediate prior year. For 1980, change from 1979. Minus sign (-) indicates decrease. For explanation of average annual percent change, see Guide to Tabular Presentation. ²Includes farm residential. ³Excludes building by privately owned public utilities. ⁴Includes construction with Rural Electrification Administration (REA) funds.

Source: U.S. Bureau of the Census, *Construction Reports*, series C30.

NO. 1223. VALUE OF PRIVATELY OWNED NONRESIDENTIAL BUILDING PROJECTS, BY CONSTRUCTION STATUS, 1975 TO 1987, AND BY TYPE OF PROJECT, 1987

(In millions of dollars)

CONSTRUCTION STATUS	1975	1980	1981	1982	1983	1984	1985	1986	1987				
									Total	Industrial	Office building	Other commercial	Other ¹
Value of projects—													
Started	33.1	48.3	66.8	56.5	68.3	84.7	90.6	89.7	86.5	12.0	25.0	28.6	20.8
Completed	28.0	49.4	52.7	56.3	62.3	68.2	82.6	86.3	82.7	13.2	25.9	25.5	18.1

¹Privately owned hotels and motels, religious, educational, hospital and institutional, and miscellaneous nonresidential building projects.

Source: U.S. Bureau of the Census, *Construction Reports*, series C30.

NO. 1224. CONSTRUCTION CONTRACTS—VALUE OF CONSTRUCTION AND FLOOR SPACE OF BUILDINGS, BY CLASS OF CONSTRUCTION: 1976 TO 1987

[Includes new structures and additions, and major alterations to existing structures which affect only valuation, since no additional floor area is created by "alteration." See also *Historical Statistics, Colonial Times to 1970*, series H 78-100]

YEAR	Total	Residential buildings	NONRESIDENTIAL BUILDINGS									Non-building construction
			Total	Commercial ¹	Manufacturing	Educational ²	Hospital	Public buildings	Religious	Social and recreational	Miscellaneous	
VALUE (bil. dol.)												
1976	110.1	44.2	30.0	10.2	4.5	4.8	4.5	2.1	.9	1.5	1.5	35.9
1977	139.7	62.0	35.3	13.6	5.4	5.2	4.5	2.3	1.0	1.6	1.5	42.8
1978	159.9	74.9	45.0	20.6	9.2	5.7	3.9	1.5	1.2	2.1	.9	39.9
1979	168.4	74.6	50.1	24.4	7.6	6.3	4.8	1.8	1.3	2.6	1.5	43.7
1980	148.4	63.7	52.5	24.6	6.4	6.8	5.3	1.6	1.2	2.7	1.7	32.2
1981	153.5	60.2	60.1	31.7	8.6	5.8	6.4	1.4	1.2	3.0	2.0	33.2
1982	156.2	59.2	59.5	28.2	9.5	6.1	7.8	1.9	1.2	2.8	2.0	37.4
1983	193.6	93.6	62.2	33.7	5.3	6.2	6.5	2.1	1.5	2.8	2.1	37.8
1984	211.5	101.4	74.4	42.1	7.3	7.7	7.2	2.7	1.7	3.3	2.4	35.8
1985	232.3	108.7	83.2	47.8	7.7	8.8	7.8	3.0	2.0	3.6	2.5	40.5
1986	248.8	122.9	83.8	45.8	7.3	10.5	7.9	3.2	2.1	4.2	2.8	42.0
1987	254.7	120.0	89.5	46.5	6.2	11.9	8.7	4.4	2.2	4.4	3.2	45.3
FLOOR SPACE (mil. sq. ft.)												
1976	2,819	1,867	953	440	182	118	71	42	31	45	54	(x)
1977	3,536	2,440	1,097	584	175	112	66	43	32	48	57	(x)
1978	4,101	2,815	1,266	758	218	104	53	22	35	53	42	(x)
1979	3,905	2,528	1,377	816	243	102	57	20	34	53	52	(x)
1980	3,092	1,892	1,201	888	216	95	54	18	28	50	52	(x)
1981	2,797	1,620	1,178	733	167	74	60	14	25	44	41	(x)
1982	2,442	1,497	948	571	119	74	70	19	25	38	30	(x)
1983	3,379	2,349	1,030	647	110	74	63	20	29	36	31	(x)
1984	3,635	2,396	1,238	806	147	90	70	23	29	37	34	(x)
1985	3,822	2,414	1,408	939	159	100	73	26	32	41	36	(x)
1986	3,926	2,576	1,349	869	147	116	73	30	32	43	39	(x)
1987	3,723	2,368	1,366	849	155	126	79	40	33	47	37	(x)

X Not applicable. ¹ Includes nonindustrial warehouses. ² Includes science.

Source: F. W. Dodge, National Information Services Division, McGraw-Hill Information Systems Company, New York, NY. Figures reported currently in *Dodge Construction Potentials*.

NO. 1225. CONSTRUCTION CONTRACTS—VALUE, BY STATE: 1960 TO 1987

[In millions of dollars. See headnote, table 1224. Represents value of construction in States in which work was actually done]

STATE	1960	1965	1968	1987			STATE	1965	1968	1968	1987		
				Total (incl. non-bldg.)	Residential	Non-residential					Total (incl. non-bldg.)	Residential	Non-residential
U.S.	146,365	232,277	346,589	264,675	119,915	144,760	MO	2,613	3,651	4,357	4,338	2,082	1,599
AL	1,918	2,666	2,985	3,154	1,359	1,030	MT	666	866	468	566	263	113
AK	706	1,500	1,178	749	115	272	NE	630	1,040	1,048	943	342	354
AZ	3,137	6,629	6,354	5,771	2,909	2,044	NV	1,167	1,629	2,153	1,667	1,166	612
AR	1,324	1,849	1,494	1,446	670	406	NH	477	1,365	1,622	1,716	960	386
CA	17,696	32,456	36,801	36,896	20,318	12,189	NJ	3,780	8,077	8,999	8,746	4,086	3,480
CO	2,791	4,667	3,812	3,183	1,517	999	NM	1,371	1,771	1,694	1,517	618	482
CT	1,440	3,365	4,138	4,236	2,132	1,536	NY	5,860	11,366	12,806	16,360	6,844	5,966
DE	305	715	991	722	380	205	NC	3,471	6,671	6,820	7,175	3,758	2,621
DC	510	985	1,083	876	235	544	ND	456	557	478	440	154	139
FL	12,647	17,820	17,954	19,073	11,174	5,443	OH	5,221	6,843	6,494	9,179	3,757	3,947
GA	3,939	7,566	9,020	8,699	4,767	2,851	OK	2,300	2,860	2,166	2,138	730	597
HI	1,218	873	1,157	1,189	593	417	OR	1,926	1,934	1,804	1,662	809	627
ID	635	756	680	637	255	203	PA	5,246	7,006	8,484	10,067	3,945	3,682
IL	5,313	7,513	9,156	10,188	4,442	3,510	RI	322	626	825	1,084	544	304
IN	2,775	4,045	4,777	5,070	2,293	2,087	SC	2,522	1,166	3,162	3,704	1,798	1,270
IA	1,540	1,532	1,317	1,479	445	501	SD	421	485	446	405	133	151
KS	1,867	2,227	2,337	2,264	1,024	789	TN	2,789	1,354	1,555	5,112	2,407	1,799
KY	2,185	2,843	3,240	3,227	1,354	1,225	TX	13,611	21,305	17,096	14,788	6,262	5,215
LA	3,270	3,699	3,157	3,154	1,049	1,017	UT	1,116	1,633	1,630	1,408	582	402
ME	538	785	1,069	937	546	244	VT	258	487	675	533	313	137
MD	3,082	5,703	6,267	7,282	3,663	2,417	VA	3,451	7,566	6,734	8,761	4,513	3,071
MA	2,712	5,916	6,486	7,516	3,666	2,561	WA	4,795	4,408	5,065	5,225	2,241	2,037
MI	4,174	6,527	6,885	6,847	3,396	3,757	WV	655	656	1,004	683	227	318
MN	2,746	4,793	4,869	5,000	2,554	1,486	WY	2,289	3,039	3,164	3,678	1,690	1,699
MS	1,561	1,543	1,523	1,634	804	647		644	693	605	479	146	67

Source: F. W. Dodge, National Information Services Division, McGraw-Hill Information Systems Company, New York, NY. Figures reported currently in *Dodge Construction Potentials*.

No. 1226. VALUE OF PRIVATE CONSTRUCTION AUTHORIZED BY BUILDING PERMITS: 1978 TO 1987

[In billions of dollars. "16,000 and 17,000 places" series are based on U.S. total of approximately 16,000 and 17,000 places identified in 1978 and 1984 respectively, with local building permit systems]

TYPE OF CONSTRUCTION	16,000 PLACES							17,000 PLACES			
	1978	1979	1980	1981	1982	1983	1984	1984	1985	1986	1987
Total	101.6	107.4	102.1	103.7	98.5	127.5	153.4	155.0	170.5	184.2	186.0
Residential units	58.9	56.3	47.2	41.9	40.5	60.3	76.7	77.7	64.9	98.0	98.3
In structures with—											
1 unit	46.3	42.6	33.1	28.7	27.4	49.1	53.5	54.3	59.5	73.7	78.2
2-4 units	3.1	3.3	3.3	3.2	2.7	4.3	4.8	4.9	4.5	4.4	3.9
5 units or more	9.8	10.4	10.8	10.0	10.4	15.8	18.3	18.4	20.8	19.9	16.2
Nonhousekeeping residential buildings	1.3	1.5	1.5	2.0	2.8	3.1	3.7	3.7	3.9	4.0	3.5
Nonresidential buildings	32.2	35.3	34.6	39.3	34.6	37.0	46.7	47.2	52.7	50.6	50.0
Industrial buildings	7.9	9.3	6.0	7.9	6.1	5.8	9.1	9.2	9.5	9.7	7.7
Office buildings	6.8	8.1	9.9	14.6	12.9	12.8	15.9	16.1	16.1	14.5	13.6
Stores and other mercantile	7.6	8.0	6.7	6.2	5.5	7.4	9.6	9.9	12.0	12.1	13.5
Hospitals and other institutional	2.1	2.3	1.6	1.7	2.0	2.4	2.0	2.1	2.5	2.6	2.4
All other nonresidential	7.9	8.7	6.7	8.9	8.3	8.8	9.9	9.9	10.1	11.8	12.7
Additions and alterations	9.2	11.2	16.5	20.5	20.6	23.5	26.3	26.4	29.1	31.6	34.2

Source: U.S. Bureau of the Census. In U.S. Department of Commerce, International Trade Administration, *Construction Review*.

No. 1227. NEW PRIVATELY OWNED HOUSING UNITS AUTHORIZED, BY STATE: 1986 AND 1987

[Based on about 17,000 places in U.S. having building permit systems]

STATE	HOUSING UNITS (1,000)			VALUATION (mil. dol.)			STATE	HOUSING UNITS (1,000)			VALUATION (mil. dol.)		
	1986	1987		1986	1987			1986	1987		1986	1987	
		Total	1 unit		Total	1 unit			Total	1 unit		Total	1 unit
U.S.	1,788.4	1,834.6	1,824.4	88,588	88,346	78,186	MO	10.1	29.1	18.0	1,586	1,643	1,286
AL	19.2	14.5	10.6	688	646	550	MT	1.2	.8	.8	57	48	43
AK	1.4	7	4	117	63	42	NE	6.2	4.9	3.3	252	242	209
AZ	61.8	40.2	27.7	3,083	2,775	2,276	NV	15.7	16.3	10.1	758	788	611
AR	8.7	6.5	5.0	376	320	267	NH	18.0	14.8	10.8	1,113	1,017	864
CA	314.8	251.6	134.7	20,885	19,580	13,711	NJ	57.4	51.5	36.5	3,550	3,575	2,828
CO	31.0	18.0	12.9	1,677	1,235	1,052	NM	11.5	9.3	7.3	604	648	495
CT	27.7	26.6	18.1	1,677	1,808	1,477	NY	60.2	62.2	41.7	3,730	4,417	3,182
DE	5.5	7.1	5.0	235	319	254	NC	63.0	54.3	40.8	3,054	3,104	2,745
DC	.8	1.2	.3	21	43	18	ND	1.7	2.0	.8	83	83	84
FL	195.5	178.8	113.1	8,742	9,210	6,851	OH	44.5	45.2	26.8	2,537	2,999	2,448
GA	78.9	64.2	46.4	3,686	3,723	3,218	OK	9.0	6.2	5.2	468	363	339
HI	7.2	6.9	5.3	465	470	404	OR	10.7	12.2	7.9	828	753	626
ID	3.8	3.2	2.6	217	201	183	PA	53.4	54.8	45.8	2,994	3,586	3,230
IL	51.9	50.4	33.0	3,391	3,807	3,091	RI	7.3	7.2	4.8	350	396	326
IN	29.7	27.3	18.9	1,578	1,756	1,466	SC	26.6	23.5	18.5	1,357	1,405	1,236
IA	5.5	5.8	3.9	266	314	261	SD	2.0	1.9	1.2	81	85	67
KS	13.1	11.8	7.9	762	802	682	TN	34.4	29.9	21.7	1,701	1,765	1,530
KY	13.5	13.2	9.0	642	740	636	TX	98.7	50.5	43.9	5,180	3,570	3,416
LA	10.5	6.5	7.1	557	450	414	UT	13.6	7.7	6.8	689	509	479
ME	9.8	9.8	7.2	505	584	486	VT	4.5	4.6	3.7	267	299	267
MD	42.4	41.1	33.8	2,289	2,485	2,207	VA	73.5	66.7	46.2	3,683	3,697	3,083
MA	45.2	40.4	25.3	3,067	3,064	2,299	WA	38.4	36.3	20.0	2,043	2,224	1,507
MI	47.2	46.8	26.5	2,437	2,626	2,060	WV	1.9	1.9	1.3	83	88	74
MN	33.2	33.4	21.3	2,142	2,422	1,843	WI	21.8	24.1	14.8	1,130	1,330	1,039
MS	8.3	6.6	5.2	356	324	289	WY	.9	.8	.5	48	37	35

Source: U.S. Bureau of the Census. *Construction Reports*, series C40, annual.

No. 1228. NEW HOUSING UNITS STARTED: 1970 TO 1986

[Minus sign (-) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series N 156-159]

YEAR	Total (1,000)	Per-cent change	PRIVATELY OWNED (1,000)		Publicly owned (1,000)	YEAR	Total (1,000)	Per-cent change	PRIVATELY OWNED (1,000)		Publicly owned (1,000)
			Total	1-unit structures					Total	1-unit structures	
1970	1,489	- 2.1	1,434	613	35	1980	1,313	- 25.4	1,292	852	20
1971	2,085	41.9	2,052	1,151	32	1981	1,100	18.2	1,084	705	16
1972	2,379	14.1	2,357	1,306	22	1982	1,072	- 2.8	1,052	663	10
1973	2,057	13.5	2,045	1,132	12	1983	1,712	59.7	1,703	1,088	9
1974	1,353	34.2	1,338	688	15	1984	1,756	2.6	1,750	1,084	6
1975	1,171	13.4	1,160	682	11	1985	1,745	.6	1,742	1,072	3
1976	1,548	32.2	1,539	1,182	10	1986	1,807	3.6	1,805	1,179	2
1977	2,008	29.3	1,987	1,451	15	1987	1,823	10.2	1,820	1,146	2
1978	2,036	1.7	2,020	1,433	16	1987, Jan.-July ^a	(NA)	(NA)	1,878	1,184	(NA)
1979	1,760	13.6	1,745	1,194	15	1988, Jan.-July ^a	(NA)	(NA)	1,479	1,078	(NA)

NA: Not available. ^a Change from 1986. ^b Average seasonally adjusted annual rate. ^c PreliminarySource: U.S. Bureau of the Census, *Construction Reports*, series C20.

No. 1229. NEW PRIVATELY-OWNED HOUSING UNITS STARTED—SELECTED CHARACTERISTICS:
1970 TO 1987

[In thousands. For composition of regions, see fig. 1, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series N 156-163 and 170]

YEAR	Total units ¹	STRUCTURES WITH—			REGION				CONDOMINIUM UNITS ²			TYPE OF ASSIST-ANCE ³	
		One unit	2-4 units	5 or more units	North-east	Mid-west	South	West	Total	Single-family	Multi-family	FHA	VA
1970	1,434	813	85	536	218	294	612	311	(NA)	(NA)	(NA)	421	61
1971	2,052	1,151	120	781	264	434	989	486	(NA)	(NA)	(NA)	528	94
1972	2,357	1,309	141	908	330	443	1,057	527	(NA)	(NA)	(NA)	371	104
1973	2,045	1,132	118	795	277	440	699	429	241	69	172	163	86
1974	1,338	888	88	362	183	317	553	285	175	46	130	95	73
1975	1,180	892	64	204	149	204	442	275	65	20	45	88	77
1976	1,536	1,162	88	299	169	400	569	400	95	30	84	144	100
1977	1,967	1,451	122	414	202	465	783	536	118	41	77	178	131
1978	2,020	1,433	125	462	200	451	824	545	156	42	114	176	127
1979	1,745	1,194	122	429	178	349	748	471	196	43	156	178	122
1980	1,292	852	110	331	125	218	643	306	188	35	150	177	95
1981	1,064	705	91	268	117	165	562	240	181	38	145	145	75
1982	1,052	663	80	320	117	149	591	205	170	40	130	152	73
1983	1,703	1,088	113	522	168	218	935	382	276	77	199	121	107
1984	1,750	1,064	121	544	204	243	888	438	291	96	194	63	97
1986	1,742	1,072	93	578	252	240	782	486	225	79	146	159	(NA)
1988	1,805	1,179	64	542	294	296	733	483	214	80	134	268	(NA)
1987	1,620	1,146	65	409	269	296	634	420	196	73	123	176	(NA)

NA Not available. ¹ For 1970-1978, characteristics such as type of structure, and region, include data for publicly owned units. ² Type of ownership under which the owners of the individual housing units are also joint owners of the common areas of the building or community, includes a small number of cooperatively-owned units. ³ Source: U.S. Department of Housing and Urban Development, 1970-1979, *HUD Statistical Yearbook*; thereafter unpublished data.
Source: Except as noted, U.S. Bureau of the Census, *Construction Reports*, series C20.

No. 1230. NEW PRIVATELY-OWNED HOUSING UNITS STARTED, BY STATE: 1984 TO 1987
[In thousands of units]

REGION, DIVISION, AND STATE	1984	1985	1986	1987	DIVISION AND STATE	1984	1985	1986	1987
U.S.....	1,748.9	1,742.0	1,806.0	1,821.0	S.A.....	478.7	488.0	488.0	458.0
Region:					DE.....	4.3	5.0	5.7	6.9
Northeast.....	203.7	252.0	293.0	269.0	MD.....	36.9	39.8	42.0	41.7
Midwest.....	244.7	240.0	205.0	296.0	DC.....	.4	.7	1.5	1.8
South.....	888.0	782.0	733.0	634.0	VA.....	62.8	65.2	73.3	59.5
West.....	435.5	468.0	483.0	420.0	WV.....	2.8	1.7	2.5	2.3
N.E.....	78.4	91.0	112.0	106.0	NC.....	62.7	60.1	74.7	63.5
ME.....	6.8	7.7	10.5	9.6	SC.....	33.1	31.6	27.9	24.7
NH.....	12.5	15.6	18.5	13.8	GA.....	80.0	86.8	79.1	70.4
VT.....	7.4	3.7	4.7	4.7	FL.....	196.7	196.1	191.6	186.8
MA.....	26.5	34.6	42.9	40.7	E.S.C.....	82.1	87.0	98.0	81.0
RI.....	4.4	5.0	7.3	7.5	KY.....	15.7	14.7	15.8	16.9
CT.....	18.8	24.8	26.3	29.5	TN.....	42.4	40.4	36.6	35.5
M.A.....	127.3	161.0	181.0	164.0	AL.....	20.1	21.4	24.2	20.1
NY.....	43.4	80.7	84.6	52.1	MS.....	13.9	10.3	10.1	8.1
NJ.....	43.7	56.2	59.8	58.4	W.S.C.....	294.1	298.0	144.0	98.0
PA.....	40.2	43.6	56.8	52.9	AR.....	12.7	12.8	12.0	10.4
E.N.C.....	141.4	148.9	186.0	201.0	LA.....	30.8	19.1	12.9	9.4
OH.....	33.5	31.5	43.8	47.2	OK.....	28.5	13.9	11.3	9.0
IN.....	23.5	22.0	29.2	26.5	TX.....	222.1	159.9	107.9	66.1
IL.....	35.0	36.5	52.6	57.8	Mt.....	172.0	187.0	134.0	108.0
MI.....	30.1	39.0	51.2	47.0	MT.....	3.4	4.1	2.4	4.0
WI.....	19.3	17.7	21.1	20.1	ID.....	4.3	4.3	3.8	3.7
W.N.C.....	103.3	91.0	86.0	97.0	WY.....	2.0	2.2	1.4	1.6
MN.....	30.4	26.3	32.0	31.8	CO.....	41.9	33.5	30.5	18.7
IA.....	7.7	4.9	5.6	5.8	NM.....	16.2	9.6	8.5	7.0
MO.....	30.8	32.6	36.7	36.3	AZ.....	73.1	72.6	58.2	40.6
ND.....	3.9	2.1	1.8	1.8	UT.....	18.2	17.2	13.9	7.7
SD.....	4.5	2.5	2.0	2.0	NV.....	12.9	13.7	15.1	19.1
NE.....	7.1	5.2	6.1	5.1	Pac.....	263.7	311.0	348.0	318.0
KS.....	18.9	17.2	13.6	12.6	WA.....	29.4	34.5	33.9	40.5
					OR.....	8.6	11.5	11.1	12.8
					CA.....	212.9	254.7	297.5	257.9
					AK.....	7.5	4.6	1.6	1.1
					HI.....	5.3	5.9	5.2	5.6

Source: National Association of Home Builders, Economics Division, Washington, DC. Data provided from the Econometric Forecasting Service.

No. 1231. CHARACTERISTICS OF NEW PRIVATELY OWNED ONE-FAMILY HOUSES COMPLETED: 1970 TO 1987

Percent distribution, except as indicated. Data beginning 1980 show percent distribution of characteristics for all houses completed (includes new houses completed, houses built for sale completed, contractor-built and owner-built houses completed, and houses completed for rent). Data for 1970 cover contractor-built, owner-built, and houses for rent for year construction started and houses sold for year of sale. Percent exclude houses for which characteristics specified were not reported.

CHARACTERISTIC	1970	1980	1985	1986	1987	CHARACTERISTIC	1970	1980	1985	1986	1987
Total houses (1,000)	783	957	1,072	1,120	1,123	Bedrooms	100	100	100	100	100
Financing	100	100	100	100	100	2 or less	13	17	25	21	19
Mortgage	84	81	81	83	80	3	83	83	57	50	56
FHA-insured	30	16	15	20	15	4 or more	24	20	18	20	23
VA-guaranteed	7	8	7	8	6	Bathrooms	100	100	100	100	100
Conventional	47	55	57	54	59	1 or less	32	16	13	10	10
Farmers Home Administration	47	3	3	2	2	1½	20	10	11	9	7
Cash or equivalent	16	18	19	18	18	2	32	48	46	47	45
Floor area	100	100	100	100	100	2½ or more	16	25	29	33	38
Under 1,200 sq. ft.	35	21	20	17	14	Heating fuel	100	100	100	100	100
1,200-1,500 sq. ft.	28	29	30	30	27	Electricity	28	50	44	44	40
1,500-1,999 sq. ft.	16	22	21	21	22	Gas	82	41	49	47	52
2,000-2,399 sq. ft.	13	13	12	14	16	Oil	5	3	3	5	5
2,400 sq. ft. and over	21	15	17	18	21	Other	1	5	4	4	3
Average (sq. ft.)	1,500	1,740	1,785	1,825	1,805	Heating system	100	100	100	100	100
Median (sq. ft.)	1,385	1,585	1,605	1,680	1,755	Warm air furnace	71	57	54	54	57
Number of stories	100	100	100	100	100	Electric heat pump	NA	24	30	29	27
1	74	80	52	51	48	Other	29	19	15	17	16
2 or more	17	31	42	44	46	Central air-conditioning	100	100	100	100	100
Split level	10	8	8	8	5	With	34	63	70	69	71
Foundation	100	100	100	100	100	Without	66	37	30	31	29
Full or partial basement	37	38	37	37	39	Fireplaces	100	100	100	100	100
Slab	36	45	46	45	43	No fireplace	85	43	41	38	35
Crawl space	27	19	18	18	18	1 or more	35	56	59	62	62
						Parking facilities	100	100	100	100	100
						Garage	68	88	70	74	79
						Carport	17	7	5	4	3
						No garage or carport	25	24	25	21	18

NA Not available.

Source: U.S. Bureau of the Census and U.S. Dept. of Housing and Urban Development, *Construction Reports*, series C25, *Characteristics of New Housing* (a joint publication).

No. 1232. NEW PRIVATELY OWNED ONE-FAMILY HOUSES SOLD, BY REGION AND TYPE OF FINANCING, 1970 TO 1987, AND BY SALES-PRICE GROUP, 1987

In thousands. Based on a national probability sample of monthly interviews with builders or owners of 1-family houses for which building permits have been issued or, for nonpermit areas, on which construction has started. For details, see source. For composition of regions, see fig. 1, inside front cover.

YEAR AND SALES-PRICE GROUP	Total sales	REGION				FINANCING TYPE			
		North-east	Mid-west	South	West	Conven-tional	FHA and VA	Farm-ers Home Admin.	Cash
1970	485	61	100	203	121	1 213	244	(1)	27
1971	658	82	127	270	178	1 314	314	(1)	28
1972	718	98	130	306	187	1 447	242	(1)	30
1973	634	95	120	257	161	1 485	134	(1)	34
1974	519	89	103	207	138	1 378	112	(1)	28
1975	549	71	108	222	150	383	122	43	22
1976	648	72	128	247	199	458	134	23	31
1977	819	88	162	317	255	582	186	24	36
1978	817	78	145	331	262	575	174	26	43
1979	709	67	112	304	226	489	186	18	38
1980	545	50	81	267	145	302	142	14	32
1981	436	48	60	219	112	244	142	14	38
1982	412	47	46	219	99	183	173	11	34
1983	623	78	71	323	152	360	217	8	49
1984	639	84	78	309	180	423	149	9	68
1985	686	112	82	323	170	403	208	11	64
1986	750	136	96	322	198	411	268	12	68
1987, total	671	117	87	271	198	488	180	8	64
Under \$60,000	61	3	12	38	11	18	30	8	8
\$60,000 to \$69,999	53	(8)	8	32	11	18	32	(8)	3
\$70,000 to \$79,999	67	3	12	37	15	24	37	(8)	8
\$80,000 to \$89,999	140	15	21	61	42	84	62	(8)	11
\$100,000 to \$119,999	64	16	10	32	25	55	18	(8)	10
\$120,000 to \$149,999	99	28	13	31	28	78	8	(8)	12
\$150,000 to \$199,999	64	21	11	25	27	74	(8)	(8)	8
\$200,000 and over	64	30	10	17	27	78	(8)	(8)	8

B Base figure too small to meet statistical standards for reliability. 1 Houses financed by Farmers Home Administration included under conventional financing.

Source: U.S. Bureau of the Census and U.S. Dept. of Housing and Urban Development, *Construction Reports*, series C25, *Characteristics of New Housing*, annual; and *New One-Family Houses Sold and For Sale*, monthly.

NO. 1233. MEDIAN SALES PRICE OF NEW PRIVATELY OWNED ONE-FAMILY HOUSES SOLD, BY REGION: 1970 TO 1987

[In dollars. For definition of median, see Guide to Tabular Presentation. For composition of regions, see fig. 1, inside front cover]

YEAR	U.S.	North-east	Mid-West	South	West	YEAR	U.S.	North-east	Mid-West	South	West
1970.....	23,400	30,300	24,400	20,300	24,000	1980.....	64,600	69,500	63,400	59,600	72,300
1971.....	25,200	30,600	27,200	22,500	25,500	1981.....	68,900	76,000	65,960	84,400	77,800
1972.....	27,600	31,400	29,300	25,600	27,500	1982.....	69,300	78,200	66,900	86,100	75,000
1973.....	32,500	37,100	32,900	30,900	32,400	1983.....	75,300	82,200	79,500	70,900	80,100
1974.....	35,900	40,100	36,100	34,500	35,800	1984.....	79,900	88,600	85,400	72,000	87,300
1975.....	39,300	44,000	39,600	37,300	40,800	1985.....	64,300	103,300	80,300	75,000	92,800
1976.....	44,200	47,300	44,800	40,500	47,200	1986.....	92,000	125,000	88,300	80,200	95,700
1977.....	48,800	51,800	51,500	44,100	53,500	1987 ¹	104,500	140,000	95,000	88,000	111,000
1978.....	55,700	58,100	59,200	50,300	61,300						
1979.....	62,900	65,500	63,900	57,300	69,800						

¹ 1988, U.S. total: 1st qtr., \$112,900, 2d qtr., \$110,600, 3d qtr., \$115,000.

Source: U.S. Bureau of the Census and U.S. Dept. of Housing and Urban Development, *Construction Reports*, series C25, *Characteristics of New Housing*, annual; and *New One-Family Houses Sold and For Sale*, monthly.

NO. 1234. NEW MOBILE HOMES PLACED FOR RESIDENTIAL USE AND AVERAGE SALES PRICE, BY REGION: 1974 TO 1987

[A mobile home is a moveable dwelling, 10 feet or more wide and 35 feet or more long, designed to be towed on its own chassis and without need of a permanent foundation. Excluded are travel trailers, motor homes, and modular housing. Data are based on a probability sample and subject to sampling variability; see source. For composition of regions, see fig. 1, inside front cover]

YEAR	UNITS PLACED (1,000)					AVERAGE SALES PRICE (\$1,000)				
	Total	North-east	Mid-west	South	West	Total	North-east	Mid-west	South	West
1974.....	332.0	23.3	67.5	170.8	70.4	9.3	9.4	9.3	8.3	11.6
1975.....	229.3	14.7	48.5	110.8	55.2	10.6	10.5	10.7	9.0	13.6
1976.....	249.6	16.8	51.5	114.8	66.5	12.3	11.6	11.6	10.6	16.0
1977.....	257.5	16.7	50.7	112.5	77.7	14.2	12.9	13.5	12.1	18.1
1978.....	279.9	17.4	49.5	135.3	77.7	15.9	14.3	15.1	13.7	20.6
1979.....	279.9	16.9	47.3	145.2	70.5	17.6	15.6	16.1	15.6	23.1
1980.....	233.7	12.3	32.3	140.3	48.7	19.8	18.5	18.6	18.2	25.4
1981.....	229.2	12.0	30.1	143.5	43.6	19.9	19.0	18.9	18.4	25.6
1982.....	234.1	12.4	25.6	161.1	35.0	19.7	19.8	20.0	18.5	24.7
1983.....	278.1	16.3	34.3	186.0	41.4	21.0	21.4	20.4	19.7	27.0
1984.....	267.9	19.8	35.2	193.4	39.4	21.5	22.2	21.1	20.2	27.4
1985.....	263.4	20.2	36.6	187.6	38.9	21.8	22.7	21.5	20.4	26.7
1986.....	256.1	21.2	37.2	162.3	35.4	22.4	24.4	21.8	20.7	29.9
1987.....	239.2	23.6	40.0	145.5	30.1	23.7	25.6	23.7	21.9	31.0

Source: U.S. Bureau of the Census, *Construction Reports*, series C20.

NO. 1235. EXISTING ONE-FAMILY HOUSES SOLD AND PRICE, BY REGION: 1970 TO 1987

[Based on data (adjusted and aggregated to regional and national totals) reported by participating real estate multiple listing services. For definition of median, see Guide to Tabular Presentation. For composition of regions, see fig. 1, inside front cover]

YEAR	HOUSES SOLD (1,000)					MEDIAN SALES PRICE (\$1,000)				
	Total	North-east	Mid-west	South	West	Total	North-east	Mid-west	South	West
1970.....	1,612	251	501	568	292	23.0	25.2	20.1	22.2	24.3
1971.....	2,018	311	583	735	389	24.8	27.1	22.1	24.3	26.5
1972.....	2,252	361	630	788	473	26.7	29.8	23.9	26.4	28.4
1973.....	2,334	387	674	647	448	26.9	32.8	25.3	29.0	31.0
1974.....	2,272	354	645	839	434	32.0	35.8	27.7	32.3	34.8
1975.....	2,476	370	701	862	543	35.3	39.3	30.1	34.8	36.6
1976.....	3,064	439	881	1,033	712	38.1	41.8	32.9	36.5	46.1
1977.....	3,650	515	1,101	1,231	803	42.9	44.4	36.7	38.8	57.3
1978.....	3,966	516	1,144	1,416	911	48.7	47.9	42.2	45.1	66.7
1979.....	3,627	526	1,061	1,353	887	55.7	53.6	47.8	51.3	77.4
1980.....	2,973	403	806	1,092	672	62.2	60.8	51.9	58.3	99.3
1981.....	2,419	353	632	917	516	68.4	63.7	54.3	64.4	96.2
1982.....	1,990	354	490	780	366	67.8	63.5	55.1	67.1	96.9
1983.....	2,719	493	709	1,035	481	70.3	72.2	56.6	69.2	94.9
1984.....	2,666	511	756	1,073	529	72.4	78.7	57.1	71.3	95.8
1985.....	3,214	622	969	1,172	554	75.5	88.9	58.9	75.2	95.4
1986.....	3,566	703	991	1,261	610	80.3	104.8	63.6	78.2	100.9
1987.....	3,526	696	959	1,262	600	85.6	133.3	66.0	80.4	113.2

Source: NATIONAL ASSOCIATION OF REALTORS®, Washington, DC, *Existing Home Sales*, monthly. (Copyright.)

NO. 1236. MEDIAN SALES PRICE OF EXISTING ONE-FAMILY HOMES, BY SELECTED METROPOLITAN AREA: 1985 TO 1988

(In thousands of dollars. Areas are metropolitan statistical areas (MSA's) except as indicated; for definitions and components, see Appendix II)

METROPOLITAN AREA	1985	1986	1987	1988, 2nd qtr	METROPOLITAN AREA	1985	1986	1987	1988, 2nd qtr
U.S., all areas	75.5	80.3	85.6	88.9	Memphis, TN-AR-MS	64.6	70.6	75.0	76.8
Akron, OH MSA	52.7	56.2	57.1	60.1	Miami-Ft. Lauderdale, FL MSA	80.5	81.1	81.1	83.5
Albany-Schenectady-Troy, NY	60.3	72.7	85.4	91.1	Milwaukee, WI MSA	67.5	69.9	70.5	75.3
Albuquerque, NM	76.8	81.6	82.6	81.6	Minneapolis-St. Paul, MN-WI	75.2	77.9	80.5	84.3
Anaheim-Santa Ana, CA MSA	135.8	147.7	167.3	204.0	Nashville, TN	68.1	70.6	75.5	78.3
Baltimore, MD	72.6	74.0	81.1	87.3	New York-Northern New Jersey-Long Island, NY-NJ-CT MSA	134.0	160.6	183.5	194.0
Baton Rouge, LA	74.8	70.9	87.8	84.5	Oklahoma City, OK	64.7	63.0	62.3	58.9
Birmingham, AL	64.5	68.3	71.6	76.5	Omaha NE-IA	58.3	58.6	59.0	58.7
Boston, MA MSA	134.2	159.2	177.2	182.9	Orlando, FL	70.3	72.5	76.2	77.7
Buffalo-Niagara Falls, NY MSA	46.7	52.4	56.7	64.6	Philadelphia, PA-NJ MSA	74.0	82.4	97.0	101.9
Chicago, IL MSA	81.1	86.1	90.8	99.3	Phoenix, AZ	74.7	78.4	80.9	79.1
Cincinnati, OH-KY-IN MSA	60.2	(NA)	66.1	69.6	Portland, OR MSA	61.5	62.6	64.2	64.9
Cleveland, OH MSA	64.4	66.9	68.1	69.9	Providence, RI MSA	67.5	67.6	121.4	130.4
Columbus, OH	62.2	65.5	66.7	73.4	Riverside/San Bernardino MSA	67.3	64.5	66.7	104.9
Dallas-Ft. Worth, TX MSA	87.7	92.8	89.2	85.5	Rochester, NY	64.2	68.3	72.5	73.7
Denver, CO MSA	84.3	86.4	88.9	83.4	St. Louis, MO-IL	66.7	70.9	74.3	79.5
Des Moines, IA	52.5	55.9	55.6	58.2	Salt Lake City-Ogden, UT	66.7	68.5	69.4	66.9
Detroit, MI MSA	61.7	58.1	65.6	72.3	San Antonio, TX	67.7	69.2	70.2	65.2
Fl. Lauderdale-Hollywood-Pompano Beach, FL MSA	74.6	77.7	79.6	79.2	San Diego, CA	107.1	116.2	129.2	142.6
Hartford, CT MSA	99.6	129.0	157.4	169.0	San Francisco-Oakland-San Jose, CA MSA	140.6	161.2	171.3	198.3
Honolulu, HI	162.1	172.0	186.0	196.7	Seattle/Tacoma MSA	(NA)	(NA)	82.6	83.8
Houston, TX MSA	78.6	69.9	65.9	63.5	Syracuse, NY	58.6	64.3	66.9	74.9
Indianapolis, IN	55.0	59.0	62.5	66.7	Tampa-St. Petersburg-Clearwater, FL	58.4	61.1	63.6	65.5
Jacksonville, FL	58.4	62.6	65.1	67.4	Tulsa, OK	66.7	65.5	65.7	65.0
Kansas City, MO-KS	61.4	65.4	69.8	71.9	Washington, DC-MD-VA	97.1	101.6	114.2	121.2
Las Vegas, NV	75.1	77.5	77.0	77.9	West Palm Beach-Boca Raton-Delray Beach, FL	66.3	62.6	102.8	94.8
Los Angeles-Long Beach, CA MSA	116.7	128.8	147.7	175.8					
Louisville, KY-IN	50.6	51.7	51.7	54.1					

NA: Not available.

SOURCE: NATIONAL ASSOCIATION OF REALTORS®, Washington, DC, *Existing Home Sales*, monthly. (Copyright.)

NO. 1237. EXISTING HOME SALES, BY STATE: 1983 TO 1987

(In thousands. For composition of regions, see fig. 1, inside front cover)

REGION, DIVISION, AND STATE	1983	1984	1985	1986	1987	DIVISION AND STATE	1983	1984	1985	1986	1987
U.S. ¹	2,834.0	3,066.9	3,469.9	3,967.9	3,967.9	S.A.	634.3	664.2	646.3	729.2	727.2
Region: ¹						DE	9.3	10.0	12.3	12.9	14.0
Northeast	573.5	609.4	756.3	845.4	875.1	MD	60.8	68.8	60.9	66.8	76.5
Midwest	756.9	805.8	917.1	1,042.6	1,016.9	DC	7.5	7.9	9.9	11.6	10.5
South	1,088.1	1,127.8	1,236.8	1,323.9	1,363.9	VA	103.1	98.1	107.2	130.4	113.0
West	611.6	680.2	703.8	792.0	807.8	WV	32.2	34.6	37.7	39.7	36.6
N.E.	186.2	170.4	208.9	216.7	234.4	NC	95.0	103.2	123.3	139.2	140.6
ME	21.0	23.3	27.1	30.8	35.2	SC	36.7	46.0	52.6	58.0	60.9
NH	15.2	16.9	19.3	17.4	19.2	GA	61.0	60.1	65.1	75.1	69.0
VT	7.4	8.2	9.9	12.4	12.9	FL	127.7	137.6	151.3	169.4	164.2
MA	66.0	66.6	60.5	64.6	100.6	E.S.C.	282.9	221.3	262.1	266.6	289.2
RI	8.8	11.0	13.2	13.5	13.4	NY	56.5	57.3	57.7	56.6	64.1
CT	37.8	44.5	56.0	62.0	62.5	TN	71.1	78.7	99.2	112.0	111.2
W.A.	416.9	438.0	508.3	634.7	640.7	AL	41.8	53.3	59.7	60.6	59.7
NY	148.5	146.9	190.7	216.6	223.9	MS	32.6	32.0	36.5	34.2	34.2
NJ	112.9	119.7	148.6	159.6	157.3	W.S.C.	361.8	342.3	344.6	336.1	367.6
PA	156.9	170.4	210.8	259.3	259.5	AR	43.0	43.4	48.6	52.6	49.2
E.N.C.	466.6	539.7	625.9	766.7	689.9	LA	63.0	50.3	44.1	34.0	40.4
OH	129.1	138.3	162.5	179.9	180.9	OK	64.7	51.8	48.6	49.4	44.6
IN	57.2	64.5	60.1	66.1	69.6	TX	191.1	198.7	203.6	198.6	224.3
IL	115.3	122.5	140.5	179.2	175.3	M.	198.2	191.3	196.4	196.7	198.9
MI	135.1	139.4	187.2	186.6	189.6	MT	12.4	12.4	11.1	11.9	11.6
WI	63.8	58.0	66.5	76.9	73.3	ID	11.3	12.3	11.5	11.3	10.9
W.M.C.	266.4	294.9	291.3	333.9	336.6	WY	5.5	6.2	6.5	6.1	6.0
MN	66.6	73.8	73.8	90.8	90.4	CO	46.1	47.1	49.3	47.5	46.7
IA	39.1	41.9	39.5	46.1	46.1	NM	16.3	16.1	19.8	19.5	20.0
MO	72.1	81.0	85.8	88.4	88.4	AZ	60.7	59.8	71.7	73.8	67.3
ND	9.4	10.0	6.9	8.5	11.2	UT	14.7	15.0	15.5	14.6	14.6
SD	13.3	11.8	11.3	13.2	13.0	NV	10.2	8.4	10.0	11.0	12.2
NE	24.6	24.6	24.5	25.5	23.8	Pac.	442.4	478.9	506.2	506.3	616.3
KS	49.3	49.8	47.4	54.4	54.4	WA	44.9	44.8	43.8	50.6	43.6
						OR	34.4	35.7	38.3	45.0	46.5
						CA ²	343.2	382.1	407.2	484.6	507.0
						AK	12.1	9.2	10.0	6.1	7.7
						HI	7.6	7.0	7.9	10.0	11.5

¹ U.S. and region totals are derived independently and therefore are not equal to the sum of the States.

² Provided by the California Association of Realtors®.

SOURCE: NATIONAL ASSOCIATION OF REALTORS®, Washington, DC, *Existing Home Sales*, monthly. (Copyright.)

NO. 1238. NEW APARTMENTS COMPLETED AND RENTED IN 3 MONTHS, BY REGION: 1980 TO 1987

[Structures with 5 or more units, privately financed, nonsubsidized, unfurnished apartments. Based on sample and subject to sampling variability. For composition of regions, see fig. 1, inside front cover]

YEAR AND RENT	NUMBER (1,000)					PERCENT RENTED IN 3 MONTHS				
	Total	North-east	Mid-west	South	West	Total	North-east	Mid-west	South	West
1980	186.1	14.2	43.8	81.5	48.6	75	77	77	74	75
1981	135.3	4.8	36.9	66.4	25.1	80	85	86	76	75
1982	117.0	4.6	21.9	65.6	23.7	72	74	79	70	72
1983	191.5	3.5	41.1	115.1	31.8	69	73	66	63	69
1984	313.2	3.8	41.2	184.4	73.9	67	64	79	63	70
1985	365.2	8.1	54.0	186.1	137.0	65	69	72	59	66
1986	407.6	16.8	84.5	171.7	154.5	66	70	70	62	67
1987	346.5	14.7	63.1	124.5	144.2	63	66	67	66	64
Less than \$350	23.9	2.4	4.6	12.4	4.5	74	71	73	76	69
\$350-\$399	42.3	.7	9.4	20.3	11.9	62	39	64	59	67
\$400-\$449	42.4	1	6.9	17.1	18.2	59	100	72	56	58
\$450-\$499	52.4	.8	10.2	21.9	19.2	63	88	66	56	64
\$500-\$549	36.1	.4	6.9	15.9	14.8	64	61	73	57	66
\$550 or more	147.5	10.1	25.1	36.9	75.4	62	62	63	57	65

Source: U.S. Bureau of the Census, *Current Housing Reports*, series H-131, and unpublished data.

NO. 1239. GROSS HOUSING PRODUCT—SUMMARY: 1970 TO 1987

[In billions of dollars. For definition of current and constant dollars, see Guide to Tabular Presentation]

ITEM	CURRENT DOLLARS						CONSTANT (1982) DOLLARS					
	1970	1980	1984	1985	1986	1987	1970	1980	1984	1985	1986	1987
Total value of housing output ¹	90.5	251.2	358.7	387.4	417.9	449.8	207.4	299.9	320.0	328.6	335.2	344.9
Nonfarm housing	87.3	240.1	344.5	376.4	406.0	440.6	189.1	285.6	307.9	317.0	323.6	333.8
Owner-occupied	81.3	178.3	252.3	272.7	293.7	317.1	132.8	212.0	228.1	230.8	234.5	241.4
Tenant-occupied	26.0	61.9	92.2	103.8	114.3	123.5	56.2	73.6	81.8	86.3	89.4	92.4
Farm housing	3.3	11.0	12.2	10.9	9.8	9.2	18.3	14.3	12.1	11.7	11.4	11.1
Less: Intermediate goods and services consumed	12.7	47.2	61.1	63.4	66.7	70.9	29.9	58.4	54.9	53.9	53.5	54.4
Equals: Gross housing product	77.8	204.0	297.6	323.9	351.1	378.8	177.5	241.5	265.2	274.6	281.6	290.4

¹ Equals personal consumption expenditures (see text, section 14) for housing, less expenditures for transient hotels, motels, clubs, schools, and other group housing.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July issues.

NO. 1240. RESIDENTIAL CAPITAL—STOCKS AND AVERAGE AGE: 1970 TO 1987

[As of Dec. 31. Data based on fixed residential capital formation components of the gross national product. For definition of current and constant dollars, see Guide to Tabular Presentation]

ITEM	CURRENT DOLLARS (bil. dol.)					CONSTANT (1982) DOLLARS (bil. dol.)					AVERAGE AGE ¹ (years)				
	1970	1980	1985	1986	1987	1970	1980	1985	1986	1987	1970	1980	1985	1986	1987
Gross stocks ²	1,220	4,184	5,510	5,817	6,263	3,318	4,484	5,008	5,181	5,313	25.1	23.7	24.0	23.8	23.7
Private nonfarm	963	3,331	4,395	4,643	5,027	2,689	3,572	3,985	4,108	4,237	25.7	24.5	24.8	24.7	24.5
1-4 units	125	506	695	743	805	343	543	631	656	678	18.1	17.6	18.5	18.4	18.6
5 or more units	55	134	152	153	158	150	145	137	135	133	43.9	42.8	42.9	43.1	43.2
Farm (1-4 units)	10	24	27	26	29	27	25	25	25	25	14.6	19.3	21.8	22.3	22.7
Private	14	73	90	93	94	29	77	68	90	80	4.7	7.1	8.2	8.3	8.4
nonhousekeeping	25	86	112	117	126	58	91	101	104	106	14.9	19.6	21.7	22.0	22.4
Mobile homes	25	86	112	117	126	58	91	101	104	106	14.9	19.6	21.7	22.0	22.4
Public Federal, State and local	25	86	112	117	126	58	91	101	104	106	14.9	19.6	21.7	22.0	22.4
Net stocks ^{2,3}	791	2,734	3,555	3,781	4,070	2,151	2,929	3,230	3,336	3,439	16.5	16.2	16.6	16.7	16.7
Private nonfarm	639	2,187	2,853	3,021	3,278	1,748	2,345	2,587	2,673	2,764	17.2	16.8	17.4	17.3	17.2
1-4 units	88	363	486	520	561	243	387	441	460	472	11.1	12.5	13.6	13.6	13.8
5 or more units	24	57	64	64	65	64	62	56	56	56	26.8	26.4	26.4	26.6	26.9
Farm (1-4 units)	8	12	13	13	13	18	13	11	11	11	9.0	16.0	18.3	18.6	18.7
Private	10	41	46	47	47	21	43	46	45	45	3.3	5.3	5.6	5.8	6.7
nonhousekeeping	18	57	72	75	80	51	61	65	67	67	12.7	16.2	17.6	17.7	17.9
Mobile homes	18	57	72	75	80	51	61	65	67	67	12.7	16.2	17.6	17.7	17.9
Public Federal, State and local	18	57	72	75	80	51	61	65	67	67	12.7	16.2	17.6	17.7	17.9

¹ Constant-dollar stocks

² Includes equipment, not shown separately

³ Based on straight-line depreciation.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, August 1988, and *Fixed Reproducible Tangible Wealth in the United States, 1925-85*.

No. 1341. HOUSING UNITS—SUMMARY OF CHARACTERISTICS AND EQUIPMENT, BY TENURE AND REGION: 1985

[In thousands of units, except as indicated. Based on the American Housing Survey; see Appendix M. For composition of regions, see fig. 1, inside front cover]

ITEM	Total housing units	Seasonal	YEAR-ROUND UNITS								Vacant
			Occupied								
			Total	Owner	Renter	North- east	Mid- west	South	West		
Total units	99,891	3,182	96,709	59,145	37,564	16,739	22,142	26,664	17,499	6,324	
Percent distribution	100.0	3.2	96.8	59.2	37.5	21.2	25.0	34.0	19.8	6.3	
Units in structure:											
Single family detached	60,807	1,634	59,173	46,709	8,373	9,388	14,958	18,984	10,786	3,897	
Single family attached	4,514	84	4,430	2,211	1,880	1,431	814	1,212	845	346	
2-4 units	11,855	134	10,217	1,888	8,221	3,324	2,515	2,428	1,852	1,304	
5-9 units	5,134	73	4,372	344	4,029	903	987	1,408	1,094	689	
10-19 units	4,558	99	3,760	281	3,500	818	788	1,360	817	689	
20-49 units	3,530	146	2,913	287	2,627	904	803	851	756	470	
50 or more units	1,111	135	3,230	438	2,782	1,540	951	983	446	474	
Mobile home or trailer	6,094	888	4,754	3,908	846	440	880	2,440	1,014	842	
Stories in structure:											
One story	40,884	2,083	36,443	24,151	8,255	1,502	4,810	18,305	9,826	3,355	
2 stories	29,771	819	26,573	18,561	10,112	4,974	8,224	7,584	5,811	2,479	
3 stories	21,117	274	19,207	11,741	7,466	7,954	7,752	2,360	1,260	1,036	
4-6 stories	5,545	105	4,825	1,285	3,530	3,010	988	485	331	513	
7 or more stories	2,619	100	2,277	360	1,917	1,388	368	359	171	237	
Foundation:											
Full or partial basement	29,885	325	29,570	24,788	3,511	8,317	11,891	4,341	2,823	1,389	
Crawl space	18,188	743	16,009	12,514	3,486	891	2,250	8,881	4,487	1,417	
Concrete slab	14,890	485	13,382	10,820	2,783	748	1,309	7,284	4,041	1,049	
Other	2,070	381	1,517	1,022	485	143	222	681	281	182	
Year structure built:											
1939 and earlier	24,034	565	21,051	12,039	9,022	7,725	6,756	4,175	2,395	2,430	
1940 to 1949	8,899	345	7,820	5,001	2,818	1,781	1,808	2,889	1,852	804	
1950 to 1959	13,974	416	12,794	8,418	3,376	2,884	3,289	4,052	2,768	784	
1960 to 1969	16,578	553	14,850	10,035	4,915	2,588	3,483	5,537	3,382	1,075	
1970 to 1979	26,477	976	23,381	14,128	9,254	3,167	5,433	9,361	5,432	2,120	
1980 or later	9,999	337	8,329	5,534	2,795	815	1,382	4,280	1,883	1,331	
Median year	1962	1965	1962	1962	1962	1949	1955	1957	1960	1963	
Main heating equipment:											
Warm-air furnace	52,329	1,066	47,256	33,251	14,004	6,360	15,891	18,089	9,245	4,018	
Electric heat pump	3,518	163	3,031	2,272	758	207	899	2,203	322	424	
Steam or hot water system	15,083	117	13,929	7,037	6,892	9,484	2,928	903	834	1,037	
Floor, wall, or pipeless furnace	6,170	186	5,486	2,710	2,786	179	459	1,870	2,988	508	
Built-in electric units	6,821	342	5,733	2,843	3,080	1,229	1,149	1,747	1,808	746	
Room heaters with flue	3,585	284	2,836	1,405	1,533	369	537	1,472	580	373	
Room heaters without flue	3,088	52	2,839	1,481	1,178	59	37	2,488	84	365	
Stoves	5,042	363	4,285	3,312	873	722	821	1,788	973	405	
Fireplaces	1,498	171	1,257	1,086	191	82	120	588	489	71	
None	1,101	111	529	198	331	18	20	142	351	223	
Portable elec. heaters	885	44	588	274	384	18	24	408	148	53	
Other	921	84	738	517	219	81	118	448	110	101	
Air conditioning:											
Central	32,854	745	29,447	20,755	8,692	2,802	7,171	15,705	4,370	2,672	
Percent of total units	32.9	23.4	33.3	37.0	28.9	11.8	32.4	62.2	25.0	32.1	
One or more room units	27,674	408	26,010	16,849	8,963	7,129	6,892	9,043	3,155	1,254	
Plumbing:											
Units with all plumbing facilities	98,447	2,730	87,786	56,818	31,847	18,982	22,090	28,740	17,413	7,952	
Units lacking some or all plumbing facilities	1,444	452	1,000	227	433	146	112	324	78	372	
Percent of total units	1.5	14.2	1.7	.4	1.3	.8	.5	1.1	.4	4.5	
Source of water:											
Public system or private company	84,343	1,839	75,591	45,598	30,035	15,928	18,216	25,172	16,275	8,919	
Percent of total units	84.4	57.6	85.5	61.1	69.0	85.0	82.3	83.7	83.1	83.1	
Well serving 1 to 5 units	14,126	887	12,041	9,884	2,057	2,825	3,783	4,480	1,181	1,187	
Other	1,462	452	793	600	190	175	143	412	84	217	
Means of sewage disposal:											
Public sewer	74,542	1,313	67,168	38,548	28,622	14,413	17,387	20,722	14,746	6,082	
Percent of total units	74.6	41.3	76.0	68.7	88.7	77.0	78.1	68.9	84.3	72.8	
Septic tank, cesspool, chemical toilet	24,578	1,585	20,822	17,443	3,479	4,282	4,829	8,080	2,722	2,084	
Other	810	276	335	186	179	35	28	251	22	198	

Source: U.S. Bureau of the Census, Current Housing Reports, series H-150-85, American Housing Survey.

No. 1242. HOUSING UNITS—SIZE OF UNITS AND LOT: 1985

(In thousands, except as indicated. Based on the American Housing Survey; see Appendix III)

ITEM	Total housing units	Seasonal	YEAR-ROUND UNITS							
			Occupied							Vacant
			Total	Owner	Renter	North-east	Mid-west	South	West	
Total units	88,831	3,182	85,426	58,145	32,280	18,729	22,142	20,064	17,490	8,324
Rooms:										
1 room	1,072	119	742	29	713	276	154	116	198	212
2 rooms	1,851	150	1,195	110	1,085	311	255	316	313	338
3 rooms	10,760	801	8,711	887	7,714	2,363	1,869	2,438	2,010	1,448
4 rooms	20,582	1,177	16,844	5,526	10,318	3,181	3,802	6,338	3,514	2,571
5 rooms	22,205	624	18,805	13,222	5,583	3,845	5,182	7,331	3,887	1,776
6 rooms	18,838	290	17,559	14,118	3,441	3,694	4,440	6,193	3,232	988
7 rooms	12,380	128	11,706	10,280	1,445	2,529	3,158	3,869	2,151	527
8 rooms or more	12,422	95	11,862	10,889	979	2,721	3,273	3,461	2,407	485
Median number of rooms	5.2	4.1	5.3	6.0	4.1	5.4	5.5	5.3	5.2	4.3
Complete bathrooms:										
No bathrooms	1,780	482	803	304	800	280	166	368	109	395
1 bathroom	54,577	1,814	47,572	22,998	24,577	11,690	12,905	14,880	8,197	5,190
1 and one-half bathrooms	16,125	280	15,019	11,708	3,311	3,585	4,730	4,223	2,601	828
2 or more bathrooms	27,448	806	24,930	21,136	3,792	3,314	4,340	10,593	6,683	1,912
Square footage of unit:										
Single detached and attached units and mobile homes ¹	86,883	2,532	88,816	50,800	9,216	9,804	15,815	22,419	11,778	4,334
Less than 500	1,810	453	908	487	411	75	137	455	241	248
500 to 749	4,080	498	3,088	1,959	1,127	301	880	1,595	510	478
750 to 999	7,290	431	6,249	4,854	1,595	804	1,434	3,006	1,206	610
1,000 to 1,499	18,485	328	15,230	12,889	2,541	1,510	3,285	6,958	3,479	928
1,500 to 1,999	13,247	168	12,509	11,094	1,415	1,868	3,118	4,580	2,935	572
2,000 to 2,499	9,204	42	8,873	8,045	827	1,867	2,932	2,474	1,599	280
2,500 to 2,999	4,862	38	4,866	4,321	347	1,238	1,548	1,181	701	156
3,000 to 3,999	4,222	35	4,047	3,749	298	1,075	1,394	1,041	536	140
4,000 or more	2,288	23	2,205	2,013	192	633	670	632	270	59
Other ²	3,414	520	2,042	1,579	463	632	819	491	300	852
Median square footage	1,683	783	1,638	1,712	1,245	2,091	1,631	1,425	1,551	1,218
Lot size:										
Single detached and attached units and mobile homes ^{1,2}	86,883	290	83,918	52,812	11,108	11,234	16,629	23,632	12,423	2,445
Less than one-eighth acre	7,394	89	7,017	5,816	1,201	1,575	1,691	1,989	1,782	308
One-eighth to one-quarter acre	14,124	55	13,536	12,106	1,430	2,117	3,686	4,199	3,534	533
One-quarter to one-half acre	9,371	39	8,982	8,234	748	1,597	2,246	3,523	1,815	351
One-half up to one acre	6,053	17	5,882	5,349	534	1,402	1,301	2,482	887	154
1 to 4 acres	8,931	23	8,876	7,692	984	1,888	1,786	3,942	1,080	232
5 to 9 acres	1,454	-	1,425	1,285	139	181	366	685	180	29
10 acres or more	3,949	29	3,829	3,306	523	515	1,374	1,589	372	91
Median acreage	.36	.23	.36	.37	.30	.40	.35	.46	.23	.26

- Represents zero. ¹ Does not include selected vacant units. ² Represents units not reported or size unknown.
³ Includes units not reported or for which data are not known, not shown separately.

Source: U.S. Bureau of the Census, *Current Housing Reports*, series H-150-85, American Housing Survey.

No. 1243. OCCUPIED HOUSING UNITS—TENURE, BY RACE OF HOUSEHOLDER: 1920 TO 1985

(In thousands, except as indicated. As of April 1, except 1980, as of fall. Prior to 1980, excludes Alaska and Hawaii. Statistics on the number of occupied units are essentially comparable although identified by various terms—the term "family" applies to figures for 1920 and 1930; "occupied dwelling unit," 1940 and 1950; and "occupied housing unit," 1960 to 1985. For 1920, includes the small number of quasi-families; for 1930, represents private families only. See also *Historical Statistics, Colonial Times to 1970*, series H 238-245)

RACE OF HOUSEHOLDER AND TENURE	1920	1930	1940	1950	1960	1970	1980	1985
ALL RACES								
Occupied units, total	24,952	29,906	34,856	42,828	53,024	63,445	80,380	85,426
Owner occupied	11,114	14,280	16,198	23,580	32,797	39,686	51,795	58,145
Percent of occupied	45.6	47.8	43.6	55.0	61.9	62.9	64.4	63.5
Renter occupied	13,236	15,624	18,658	19,288	20,227	23,580	28,585	32,280
WHITE								
Occupied units, total	21,828	26,983	31,861	39,044	47,860	58,808	88,810	76,266
Owner occupied	10,511	13,544	14,418	22,241	30,823	37,008	48,671	50,838
Percent of occupied	48.2	60.2	45.7	57.0	64.4	65.4	67.8	66.8
Renter occupied	11,315	13,439	17,143	16,803	17,057	19,801	22,139	25,328
BLACK AND OTHER								
Occupied units, total	2,528	2,922	3,283	3,783	5,144	8,638	11,580	12,180
Owner occupied	809	737	778	1,319	1,974	2,891	5,124	6,208
Percent of occupied	23.9	26.2	23.6	34.9	38.4	42.1	44.2	42.8
Renter occupied	1,823	2,185	2,516	2,484	3,170	3,958	6,486	6,952

Source: U.S. Bureau of the Census, *Census of Housing: 1980*, vol. 1, 1970, vol. 1, 1960 *Census of Housing*, vol. 1, chapter A (HC80-1-A); and *Current Housing Reports*, series H-150-85, American Housing Survey: 1985.

No. 1244. OCCUPIED HOUSING UNITS—TENURE, BY SELECTED CHARACTERISTICS OF THE UNIT AND HOUSEHOLDER: 1985

[In thousands of units, except as indicated. Based on the American Housing Survey; see Appendix III]

CHARACTERISTIC	Total occupied units	TENURE		BLACK		HISPANIC ORIGIN ¹		ELDERLY ²		RECENT MOVERS ³	
		Owner	Renter	Owner	Renter	Owner	Renter	Owner	Renter	Owner	Renter
Total units.....	88,425	58,145	32,280	4,310	5,583	2,012	3,086	13,086	5,082	4,864	12,168
Units in structure:											
Single family detached.....	55,076	46,703	8,373	3,427	1,249	1,680	729	11,180	1,011	3,331	2,975
Single family attached.....	4,102	2,211	1,890	359	400	70	180	583	250	289	729
2-4 units.....	10,217	1,996	8,221	171	1,554	110	783	679	1,151	175	3,118
5-9 units.....	4,372	344	4,029	8	780	14	382	87	559	59	1,684
10-19 units.....	3,780	261	3,500	31	587	9	325	62	483	89	1,560
20-49 units.....	2,913	267	2,627	16	380	14	397	142	455	36	1,023
50 or more units.....	3,230	438	2,792	57	577	17	256	172	1,066	86	632
Mobile home or trailer.....	4,754	3,906	648	240	45	117	44	999	77	656	445
Stories in structure:											
One story.....	35,443	26,166	9,255	2,439	1,557	1,491	1,083	6,913	1,373	2,334	3,697
2 stories.....	26,673	16,561	10,112	795	1,725	302	880	3,803	1,141	1,305	4,448
3 stories.....	19,207	11,741	7,466	665	1,167	170	368	2,816	1,125	994	2,739
4-6 stories.....	4,825	1,295	3,530	156	677	34	503	373	632	88	881
7 or more stories.....	2,277	360	1,917	54	467	15	223	129	780	46	302
Year structure built:											
1939 or earlier.....	21,051	12,029	9,022	1,139	1,733	285	999	4,447	1,508	576	2,623
1940 to 1949.....	7,920	5,001	2,919	586	656	236	413	1,833	429	201	866
1950 to 1959.....	12,794	9,419	3,376	648	621	391	395	2,697	501	472	1,080
1960 to 1969.....	14,950	10,035	4,915	734	813	327	375	2,234	849	547	1,794
1970 to 1979.....	23,361	14,126	9,254	915	1,471	559	706	2,107	1,436	1,286	3,986
1980 or later.....	8,329	5,534	2,795	287	297	200	208	511	340	1,581	1,795
Median year.....	1962	1962	1952	1957	1957	1962	1954	1952	1961	1975	1966
Percent of total occupied units—											
Lacking some or all plumbing facilities.....	.8	.4	1.3	1.2	3.0	.4	1.0	.9	2.3	.1	1.0
With public water system or private company.....	85.5	81.1	93.0	88.2	96.3	94.6	97.2	83.1	93.2	64.5	94.0
With public sewer.....	78.0	66.7	66.7	78.7	94.2	83.5	93.8	71.1	89.6	72.1	90.2
With air conditioning.....	33.3	37.0	26.9	25.7	20.2	32.7	17.9	31.9	22.8	47.9	34.9

¹ Persons of Hispanic origin may be of any race. ² Householders 65 years old and over. ³ Recent movers are householders that moved during the 12 months prior to interview.

Source: U.S. Bureau of the Census, *Current Housing Reports*, series H-150-85, American Housing Survey.

No. 1245. OCCUPIED HOUSING UNITS—HOUSING VALUE AND GROSS RENT: 1985

[In thousands of units, except as indicated. Based on the American Housing Survey; see Appendix III]

VALUE CATEGORY	OWNER OCCUPIED UNITS				RENT CATEGORY	RENTER OCCUPIED UNITS			
	Total units	Black	Hispanic ¹	Elderly ²		Total units	Black	Hispanic ¹	Elderly ²
Specified owner occupied.....	44,875	3,086	1,806	15,583	Specified renter occupied.....	31,806	5,549	3,086	4,982
Less than \$20,000.....	2,506	622	136	1,014	Less than \$200.....	4,369	1,360	422	1,530
\$20,000-\$29,999.....	2,492	432	69	950	\$200-\$249.....	2,634	499	247	537
\$30,000-\$39,999.....	4,262	602	146	1,351	\$250-\$299.....	3,233	594	348	470
\$40,000-\$49,999.....	5,279	511	196	1,439	\$300-\$349.....	3,717	724	457	484
\$50,000-\$59,999.....	4,866	336	156	1,127	\$350-\$399.....	3,658	595	347	389
\$60,000-\$69,999.....	5,048	318	177	1,018	\$400-\$449.....	3,246	528	322	344
\$70,000-\$79,999.....	4,014	227	150	613	\$450-\$499.....	2,362	312	201	231
\$80,000-\$89,999.....	5,977	309	264	1,051	\$500-\$599.....	3,133	363	306	287
\$100,000-\$119,999.....	3,046	115	140	589	\$600-\$699.....	1,604	165	133	135
\$120,000-\$149,999.....	2,881	103	130	482	\$700-\$799.....	632	79	60	54
\$150,000-\$199,999.....	2,319	56	57	368	\$800-\$899.....	673	45	28	45
\$200,000-\$299,999.....	1,621	24	34	289	\$1,000 and over.....	482	38	54	41
\$300,000 and over.....	723	8	18	136	No cash rent.....	1,753	226	123	454
Median value (dol.).....	66,300	43,500	68,900	55,809	Median amount (dol.).....	365	314	349	271

¹ Persons of Hispanic origin may be of any race. ² Householders 65 years old and over.

Source: U.S. Bureau of the Census, *Current Housing Reports*, series H-150-85, American Housing Survey.

No. 1246. OCCUPIED HOUSING UNITS—FINANCIAL SUMMARY, BY SELECTED CHARACTERISTICS OF THE HOUSEHOLDER AND TENURE: 1985

[In thousands of units. Housing costs include real estate taxes, property insurance, utilities, fuel, water, garbage collection, and mortgage. Based on the American Housing Survey; see Appendix B]

ITEM	Total occupied units	TENURE		BLACK		HISPANIC ORIGIN ¹		ELDERLY ²	
		Owner	Renter	Owner	Renter	Owner	Renter	Owner	Renter
Total units ³	88,425	66,148	22,280	4,310	5,989	2,012	3,989	13,826	8,452
Monthly housing costs:									
Less than \$300	32,838	22,502	10,337	1,938	2,465	728	1,020	10,242	2,557
\$300-\$399	13,806	8,463	7,422	902	1,319	225	807	1,427	888
\$400-\$499	10,989	6,833	5,837	387	840	200	523	848	575
\$500-\$599	7,411	4,280	3,151	347	388	138	305	383	287
\$600-\$699	4,874	3,171	1,703	211	185	128	139	204	157
\$700-\$799	3,381	2,548	886	152	79	83	80	126	64
\$800-\$899	3,804	3,127	678	185	45	180	28	157	45
\$1,000 or more	4,708	4,223	485	158	38	185	54	216	41
Median amount (dol.)	357	348	384	302	314	385	348	189	270
Monthly housing costs as percent of income:									
Less than 5 percent	2,105	1,577	228	81	20	64	17	380	28
5-9 percent	9,978	8,886	991	557	83	286	77	2,047	91
10-14 percent	12,741	9,728	3,012	629	488	308	202	2,806	203
15-19 percent	12,741	8,441	4,300	584	616	220	388	2,186	281
20-24 percent	10,880	6,472	4,418	478	883	240	389	1,482	484
25-29 percent	8,458	4,880	3,578	342	887	191	340	1,148	578
30-34 percent	5,733	3,184	2,550	301	438	128	238	800	480
35-39 percent	3,773	1,911	1,862	172	310	97	211	588	423
40 percent or more	14,382	5,886	8,496	701	1,885	284	881	2,073	1,829
Median amount (percent)	21	18	27	21	31	21	30	18	35
Median monthly costs (dol.):									
Electricity	57	64	43	63	44	61	40	51	36
Piped gas	48	58	34	66	40	39	25	52	31
Fuel oil	64	68	58	64	64	74	62	72	58

¹ Persons of Hispanic origin may be of any race. ² Householders 65 years old and over. ³ Includes units with mortgage payment not reported and no cash rent not shown separately. ⁴ Less than \$25.

No. 1247. OWNER OCCUPIED HOUSING UNITS—MORTGAGE CHARACTERISTICS, BY SELECTED CHARACTERISTICS OF THE HOUSEHOLDER: 1985

[Based on the American Housing Survey; see Appendix B]

CHARACTERISTIC	NUMBER (1,000)					PERCENT OF TOTAL OWNER OCCUPIED UNITS				
	Total owner occupied units	Household characteristics				Total owner occupied units	Household characteristics			
		Black	Hispanic ¹	Elderly ²	Below poverty level ³		Black	Hispanic ¹	Elderly ²	Below poverty level ³
Total units	66,148	4,310	2,912	13,826	5,180	100.0	100.0	100.0	100.0	100.0
Mortgages currently on property:										
None, owned free and clear	23,860	1,742	388	11,478	3,251	42.7	40.4	34.1	82.9	65.7
Mortgaged	32,185	2,568	1,324	2,348	1,753	57.3	59.6	65.9	17.1	34.4
Two mortgages or more	3,280	281	182	80	185	5.0	6.1	8.1	.7	3.1
Units with mortgages	32,185	2,568	1,324	2,348	1,753	100.0	100.0	100.0	100.0	100.0
Type of primary mortgage:										
FHA	4,589	788	388	270	329	14.2	28.9	21.7	11.4	18.7
VA	3,187	357	129	191	102	9.9	13.9	9.7	8.1	5.8
Farmers Home Administration	889	110	20	83	118	1.9	4.3	1.5	2.7	6.8
Other types	22,870	1,177	827	1,844	1,085	70.1	48.8	82.4	88.7	80.8
Not reported ⁴	1,253	186	81	192	141	3.9	8.0	4.6	8.1	8.0
Payment plan of primary mortgage:										
Fixed payment, self-amortizing	25,383	2,088	1,105	1,798	1,288	78.8	81.3	83.3	78.1	72.3
Adjustable rate mortgage	2,191	97	85	58	88	6.8	3.8	4.8	2.6	4.9
Graduated payment mortgage	886	27	27	9	10	1.8	1.1	2.0	.4	.8
Other ⁴	4,036	357	131	486	389	12.5	13.9	9.9	21.0	22.2
Term of primary mortgage:										
Less than 15 years	4,913	288	304	288	408	15.3	11.0	15.4	12.8	23.2
15-22 years	3,878	294	141	294	181	12.4	11.4	10.6	12.6	9.2
23-27 years	4,103	183	129	254	140	12.7	7.1	9.3	10.8	8.0
28 years or more	14,408	1,380	889	821	574	44.7	56.2	52.0	34.8	32.7
Other (incl. variable) ⁴	4,786	418	189	891	472	14.9	16.2	12.7	29.3	26.9
Current interest rate:										
Less than 6 percent	1,580	88	57	240	100	5.8	3.9	4.3	10.2	5.7
6.0-7.9 percent	3,377	229	113	329	112	10.5	8.9	8.5	13.9	6.4
8.0-9.9 percent	5,897	332	218	324	182	17.7	12.9	16.3	13.7	11.0
10.0-11.9 percent	4,847	288	165	126	147	14.1	11.5	11.7	5.3	8.4
12.0-13.9 percent	4,327	234	208	118	154	13.4	8.1	15.7	4.8	8.8
14.0 percent or more	1,156	111	88	47	84	3.6	4.3	6.2	2.0	3.7
Other ⁴	11,212	1,384	806	1,178	883	34.5	48.2	28.3	80.0	88.1
Median rate (percent)	8.3	9.4	8.5	7.8	9.3	(X)	(X)	(X)	(X)	(X)

X Not applicable. ¹ Hispanic persons may be of any race. ² Householders 65 years old and over. ³ Household poverty derived by applying to households the Social Security Administration's poverty index for persons. ⁴ Includes units that did not know or did not report.

Source of tables 1246 and 1247: U.S. Bureau of the Census, *Current Housing Reports*, series H-100-85, American Housing Survey.

NO. 1248. HEATING EQUIPMENT AND FUELS FOR OCCUPIED UNITS: 1950 TO 1985

[See also table 1241 for more data on heating equipment]

ITEM	NUMBER (1,000)					PERCENT DISTRIBUTION				
	1950	1960	1970	1980	1985	1950	1960	1970	1980	1985
Occupied units, total	42,828	53,024	63,445	80,380	88,425	100.0	100.0	100.0	100.0	100.0
Heating equipment:										
Warm air furnace.....	11,508	17,376	27,515	39,279	47,256	26.9	32.8	43.4	48.9	53.4
Heat pumps.....				2,835	3,031				3.5	3.4
Steam or hot water	10,071	11,990	13,211	13,859	13,929	23.5	22.6	20.8	17.2	15.8
Floor, wall, or pipeless furnace.....	(¹)	6,066	5,552	4,693	5,496	(¹)	11.5	8.8	5.8	6.2
Built-in electric units.....	-	604	3,236	6,370	5,733	-	1.3	5.1	7.9	6.5
Room heaters with flue	² 15,399	² 11,163	7,209	6,096	2,936	² 36.0	² 21.1	11.4	7.6	3.3
Room heaters without flue.....	5,268	5,218	3,558	2,736	2,639	12.3	9.8	5.6	3.4	3.0
Fireplaces, stoves, portable heaters or other.....	(²)	(²)	2,766	3,977	6,876	(²)	(²)	4.4	4.9	7.8
None.....	581	503	398	541	529	1.4	.9	.6	.7	.6
House heating fuel:										
Utility gas.....	11,367	22,851	35,014	42,656	45,326	26.6	43.1	55.2	53.1	51.3
Fuel oil, kerosene, etc.....	9,868	17,156	16,473	14,655	13,505	22.8	32.4	26.0	18.2	15.3
Electricity.....	263	933	4,678	14,768	18,361	.7	1.8	7.7	18.3	20.6
Bottled, tank, or LP gas.....	787	2,698	3,807	4,535	3,564	1.8	5.1	6.0	5.6	4.1
Wood and other fuel.....	4,855	2,480	1,060	2,729	6,670	11.3	4.6	1.7	3.4	7.5
Coal or coke.....	14,826	6,456	1,821	504	447	34.6	12.2	2.9	.6	.5
None.....	999	478	395	541	(NA)	2.3	.9	.6	.7	(NA)
Cooking fuel:										
Electricity.....	6,403	16,351	25,766	41,906	49,057	15.0	30.8	40.6	52.1	55.5
Gas ³	25,501	33,787	36,556	37,944	38,809	59.6	63.7	57.6	47.2	43.7
Other fuel.....	10,796	2,603	906	396	305	25.2	4.9	1.4	.5	.3
None.....	124	260	213	142	(NA)	.3	.5	.3	.2	(NA)

- Represents zero. NA Not available. ¹ "Floor, wall, or pipeless furnace" included in "Warm air furnace."² "Fireplaces, stoves, or portable heaters" included in "Room heaters with flue." ³ Includes utility, bottled, tank, and LP gas.Source: U.S. Bureau of the Census, *Census of Housing, 1960*, vol. 1, and *1980*, vol. 1; *Current Housing Reports*, series H-150-85, American Housing Survey: 1985.

NO. 1249. APPLIANCES USED BY HOUSEHOLDS, BY REGION AND FAMILY INCOME: 1984

[In millions, except percent. As of November. Represents appliances possessed and generally used by the household. Based on Residential Energy Consumption Survey; see Appendix III. For composition of regions, see fig. 1, inside front cover]

TYPE OF APPLIANCE	HOUSEHOLDS USING APPLIANCE		REGION				FAMILY INCOME IN 1984			
	Number	Percent of total	North-east	Mid-west	South	West	Under \$15,000	\$15,000-\$24,999	\$25,000-\$34,999	\$35,000 and over
Total households	86.3	100.0	18.3	21.6	29.3	17.1	35.0	17.4	15.3	18.7
Air conditioners: Room ¹	26.8	31.0	7.5	7.2	9.3	2.8	10.7	6.0	5.2	4.9
Central system.....	24.6	28.5	1.8	5.8	13.3	3.7	6.6	4.4	5.1	8.4
Clothes washer.....	63.1	73.1	13.4	15.8	22.0	12.0	21.0	12.5	12.4	17.2
Clothes dryer.....	53.1	61.5	10.7	14.2	17.8	10.5	14.7	10.6	11.6	16.3
Dehumidifier.....	7.5	8.7	2.6	3.6	1.1	(8)	.9	1.5	2.1	2.9
Dishwasher.....	32.5	37.6	6.4	6.6	11.5	7.9	6.1	5.7	7.5	13.2
Evaporative cooler ²	3.2	3.8	(8)	(8)	.5	2.6	1.3	.6	.6	.6
Freezer.....	31.7	36.7	5.3	9.2	11.7	5.6	10.5	5.9	6.2	9.1
Humidifier.....	11.3	13.1	2.8	6.2	1.6	.8	2.5	2.0	2.6	4.3
Microwave oven ³	29.6	34.3	4.0	6.6	10.1	7.0	5.9	5.9	7.4	10.4
Motor vehicles: ⁴ One.....	30.7	35.6	6.8	7.7	10.0	6.2	17.0	7.3	3.9	2.5
Two or more.....	44.6	51.7	7.9	11.2	15.9	9.5	8.8	9.1	10.9	15.8
Outdoor gas grill.....	11.5	13.4	3.6	2.6	3.5	1.8	1.5	1.7	2.8	5.5
Outdoor gas light.....	1.2	1.4	.2	.5	.5	(8)	(8)	.2	.2	.4
Oven: Electric.....	42.4	49.1	7.2	10.0	15.8	9.4	14.4	8.5	8.2	11.2
Gas.....	35.9	41.5	9.7	9.8	9.7	6.7	16.5	7.4	5.9	6.1
Portable electric heater.....	8.9	10.3	1.4	1.5	3.7	2.3	3.6	1.7	1.9	1.6
Portable kerosene heater.....	5.3	6.1	1.3	1.2	2.5	.2	1.7	1.3	1.0	1.4
Range: Electric.....	46.5	53.9	7.7	11.2	18.2	9.4	16.2	9.2	9.0	12.1
Gas.....	39.0	45.2	10.4	10.2	10.9	7.6	18.3	6.1	6.1	6.7
Refrigerator: Frost-free.....	53.9	62.4	9.5	12.8	19.8	11.8	17.1	10.8	10.8	15.3
Non frost-free ⁵	32.2	37.3	8.7	8.8	9.5	5.2	17.6	6.7	4.5	3.4
Television set: Color.....	75.9	88.0	16.3	19.3	25.1	15.2	27.7	15.6	14.4	18.2
Black and white.....	37.3	43.2	9.0	9.0	13.3	6.0	14.6	7.1	6.7	8.8
Water heater: ⁶ Gas.....	41.3	47.8	7.0	12.5	11.8	10.0	14.8	8.1	8.0	10.5
Electric.....	27.9	32.3	3.9	4.8	15.0	4.3	11.4	5.8	4.7	6.0
Other fuel.....	2.8	3.2	2.6	(8)	.2	(8)	.7	.5	.6	.7
Whole house cooling fan.....	6.7	7.8	1.3	1.7	3.1	.7	1.2	1.3	1.7	2.5
Window or ceiling fan.....	30.6	35.5	6.0	7.9	13.8	3.0	11.2	6.5	6.1	6.9

¹ Figure does not meet publication standards. ¹ Includes small amount of households that have both central air conditioners and room units. ² An air-cooling unit used in dry climates that turns air into moist, cool air by saturating the air with water vapor. ³ Microwave is first or second most used oven. ⁴ All motorized vehicles used by U.S. households for personal transportation excluding motorcycles, mopeds, large trucks, and buses. ⁵ Includes refrigerators without freezer compartments. ⁶ Excludes water heaters that serve more than one household.

Source: U.S. Energy Information Administration, *Residential Energy Consumption Survey: Housing Characteristics, 1984*, October 1986.

No. 1250. OCCUPIED HOUSING UNITS—HOUSING INDICATORS, BY SELECTED CHARACTERISTICS OF THE HOUSEHOLDER AND TENURE: 1985

[In thousands of units. Based on the American Housing Survey; see Appendix III]

CHARACTERISTIC	Total occupied units	TENURE		BLACK		HISPANIC ORIGIN ¹		ELDERLY ²		RECENT MOVERS ³	
		Owner	Renter	Owner	Renter	Owner	Renter	Owner	Renter	Owner	Renter
Total units.....	88,425	56,145	32,280	4,310	5,583	2,012	3,086	13,086	5,082	4,884	12,186
Amenities:											
Porch, deck, balcony or patio.....	64,120	45,589	18,551	3,202	2,988	1,503	1,339	11,091	2,484	3,609	7,382
Usable fireplace.....	25,353	21,674	3,679	894	342	588	201	3,916	295	1,909	1,718
Separate dining room.....	34,164	28,496	7,668	2,041	1,275	828	582	6,300	988	2,001	2,712
With 2 or more living rooms or recreation rooms.....	28,228	24,920	3,307	1,515	405	648	174	4,916	361	1,881	1,171
Garage or carport with home.....	48,727	39,367	9,360	2,128	814	1,375	843	9,868	1,083	2,971	3,575
Cars available:											
None.....	13,931	4,630	9,101	755	2,622	223	1,175	2,572	2,792	301	2,688
1 car.....	42,270	28,924	16,346	1,910	2,320	905	1,367	8,205	2,028	2,189	6,491
2 cars.....	24,978	19,156	5,820	1,226	594	680	419	2,588	223	1,845	2,588
3 or more cars.....	7,247	6,233	1,014	419	57	204	86	460	19	330	419
Trucks or vans available:											
None.....	62,831	35,783	27,047	3,357	5,243	1,195	2,648	11,022	4,808	2,908	9,919
1.....	21,804	17,125	4,679	876	334	707	395	2,496	247	1,538	2,011
2 or more.....	3,791	3,237	554	78	16	110	22	314	10	220	237
Internal deficiencies:											
Holes in floors.....	1,483	475	1,007	143	408	40	165	132	100	42	301
Open cracks or holes.....	5,572	2,009	3,563	422	1,114	120	518	470	332	178	1,117
Broken plaster or peeling paint (interior of unit).....	4,982	1,955	3,037	311	907	103	442	483	367	134	758
No electrical wiring.....	17	10	7	-	7	-	-	5	2	-	5
Exposed wiring.....	2,009	904	1,105	128	325	51	163	329	182	90	344
Rooms without outlet.....	2,502	1,210	1,292	158	397	48	174	487	195	63	406
Water leakage ⁴	29,110	17,894	11,416	1,718	2,454	551	1,072	3,515	1,310	1,511	3,610

- Represents zero. ¹ Persons of Hispanic origin may be of any race. ² Householders 65 years old and over. ³ Recent movers are householders that moved during the 12 months prior to interview. ⁴ During the 12 months prior to the survey.

Source: U.S. Bureau of the Census, *Current Housing Reports*, series H-150-85, American Housing Survey.

No. 1251. OWNER OCCUPIED HOUSING UNITS—HOME IMPROVEMENTS AND REPAIRS, BY SELECTED CHARACTERISTICS OF THE HOUSEHOLDER: 1985

[Covers only units performing repairs, improvements, or alterations in the 2 years prior to the survey. Based on the American Housing Survey; see Appendix III]

CHARACTERISTIC	NUMBER (1,000)					PERCENT OF TOTAL OWNER OCCUPIED UNITS				
	Total owner occupied units	Household characteristics				Total occupied units	Household characteristics			
		Black	Hispanic ¹	Elderly ²	Below poverty level ³		Black	Hispanic ¹	Elderly ²	Below poverty level ³
Total units.....	56,145	4,310	2,012	13,086	5,103	100.0	100.0	100.0	100.0	100.0
Roof replaced.....	9,161	800	418	2,624	950	16.3	18.6	20.8	19.0	18.6
Work mostly done by others.....	6,463	616	246	2,151	675	11.5	14.3	12.2	15.5	13.2
Costing more than \$500.....	5,863	447	237	1,706	477	10.4	10.4	11.8	12.3	9.3
Additions built.....	3,502	233	141	414	264	6.2	5.4	7.0	3.0	5.2
Work mostly done by others.....	1,524	130	60	282	90	2.7	3.0	3.0	2.0	1.8
Costing more than \$500.....	2,623	169	65	308	161	4.7	3.9	4.2	2.2	3.2
Kitchen remodeled or added.....	4,631	314	184	670	299	8.2	7.3	9.1	4.8	5.9
Work mostly done by others.....	2,114	199	76	477	163	3.8	4.6	3.8	3.4	3.2
Costing more than \$500.....	2,959	179	96	431	125	5.3	4.2	4.8	3.1	2.4
Bathroom remodeled or added.....	5,534	369	239	718	376	9.9	8.6	11.9	5.2	7.4
Work mostly done by others.....	2,106	200	69	469	173	3.8	4.8	4.4	3.4	3.4
Costing more than \$500.....	2,741	159	106	340	134	4.9	3.7	5.3	2.5	2.6
Siding replaced or added.....	3,293	238	109	544	229	5.9	5.5	5.4	3.9	4.5
Work mostly done by others.....	1,942	166	66	396	140	3.5	3.9	3.4	2.9	2.7
Costing more than \$500.....	1,836	137	52	341	94	3.3	3.2	2.8	2.5	1.8
Storm doors/windows installed.....	8,820	696	187	1,476	595	15.7	16.1	9.3	10.7	11.7
Work mostly done by others.....	4,478	477	87	1,047	376	8.0	11.1	4.3	7.6	7.4
Costing more than \$500.....	3,006	230	66	567	143	5.4	5.3	3.4	4.1	2.8
Major equipment replaced or added.....	5,063	292	140	955	305	9.0	6.8	7.0	6.9	8.0
Work mostly done by others.....	3,777	222	110	800	206	6.7	5.2	5.5	5.8	4.0
Costing more than \$500.....	3,625	174	89	731	167	6.5	4.0	4.9	5.3	3.3
Insulation added.....	6,999	360	256	1,075	448	12.4	8.1	12.7	7.8	8.8
Work mostly done by others.....	2,966	201	157	706	260	5.3	4.7	7.8	5.1	5.1
Costing more than \$500.....	1,668	99	65	263	67	3.0	1.8	3.2	1.8	1.3

¹ Persons of Hispanic origin may be of any race. ² Householders 65 years old and over. ³ Household poverty derived by applying to households the Social Security Administration's poverty index for persons.

Source: U.S. Bureau of the Census, *Current Housing Reports*, series H-150-85, American Housing Survey.

NO. 1252. EXPENDITURES BY RESIDENTIAL PROPERTY OWNERS FOR IMPROVEMENTS AND MAINTENANCE AND REPAIRS, BY TYPE OF PROPERTY AND ACTIVITY: 1970 TO 1987

[In millions of dollars]

YEAR AND TYPE OF EXPENDITURE	Total	1-unit properties with owner occupant	Other properties	ADDITIONS AND ALTERATIONS			Major replacements	Maintenance and repairs
				Total	To structures	To property outside of structures		
					Additions	Alterations		
1970	14,770	9,499	5,301	6,246	1,411	3,536	1,296	5,895
1975	25,239	15,864	9,558	10,997	1,971	6,844	2,182	9,758
1976	29,034	18,854	10,180	12,314	3,493	6,367	2,454	11,379
1977	31,280	21,781	9,519	14,237	2,855	8,505	3,077	11,344
1978	37,461	24,189	13,272	16,458	3,713	8,443	4,302	12,909
1979	42,231	28,280	13,951	18,286	3,280	9,542	5,383	14,950
1980	46,338	31,481	14,857	21,336	4,183	11,183	5,980	15,187
1981	46,351	30,201	16,150	20,414	3,164	11,947	5,303	16,022
1982	45,291	29,779	15,512	18,774	2,841	10,711	5,423	16,810
1983	49,295	32,524	16,771	20,271	4,739	11,673	3,859	18,128
1984	69,764	43,781	20,009	27,822	6,007	14,486	7,329	28,894
1985, total ¹	90,267	47,742	32,525	28,775	2,966	17,899	7,211	36,368
Heating and air-conditioning ²	5,086	3,267	1,809	1,121	(NA)	1,121	(NA)	1,853
Plumbing	8,120	4,029	4,091	1,502	(NA)	1,502	(NA)	3,503
Roofing	7,497	4,428	3,069	(NA)	(NA)	(NA)	(NA)	2,411
Painting	11,267	5,810	5,457	(NA)	(NA)	(NA)	(NA)	11,267
1986, total ¹	91,274	54,298	36,978	36,808	7,377	21,192	10,940	36,971
Heating and air-conditioning ²	8,232	3,993	2,239	974	(NA)	974	(NA)	1,860
Plumbing	8,461	3,791	4,670	1,484	(NA)	1,484	(NA)	3,589
Roofing	7,665	3,834	3,831	(NA)	(NA)	(NA)	(NA)	3,133
Painting	11,170	5,873	5,497	(NA)	(NA)	(NA)	(NA)	11,170
1987, total ¹	94,082	54,791	36,291	36,978	9,567	21,841	8,778	36,229
Heating and air-conditioning ²	6,410	3,932	2,478	1,534	(NA)	1,534	(NA)	2,340
Plumbing	8,510	3,830	4,680	1,856	(NA)	1,856	(NA)	3,434
Roofing	6,020	2,467	3,553	(NA)	(NA)	(NA)	(NA)	2,563
Painting	11,504	5,704	5,800	(NA)	(NA)	(NA)	(NA)	11,504

 NA Not available. ¹ Includes types of expenditures not separately specified. ² Central air-conditioning.

 Source: U.S. Bureau of the Census, *Construction Reports*, series CS0.

NO. 1253. VACANCY RATES FOR HOUSING UNITS—CHARACTERISTICS: 1982 TO 1987

 [In percent. Annual averages. Based on Current Population Survey and Quarterly Household Survey. Rate is relationship between vacant housing for rent or for sale and the total rental and homeowner supply, which comprises occupied units, units rented or sold and awaiting occupancy, and vacant units available for rent or sale. For composition of regions, see fig. 1, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series N 249-258.]

RENTAL UNITS	1982	1983	1984	1985	1986	1987	HOMEOWNER UNITS	1982	1983	1984	1985	1986	1987
Total rental units	6.3	6.7	6.9	6.8	7.3	7.7	Total homeowner units	1.6	1.6	1.7	1.7	1.8	1.7
Inside SMSAs	5.0	5.5	5.7	6.3	7.2	7.7	Inside SMSAs	1.5	1.6	1.6	1.7	1.6	1.6
Outside SMSAs	6.2	6.3	6.4	7.1	6.2	7.8	Outside SMSAs	1.5	1.5	1.8	1.9	1.8	1.9
Northeast	3.7	4.0	3.7	3.5	3.9	4.1	Northeast	1.0	1.0	.8	1.0	1.0	1.2
Midwest	6.3	6.1	5.9	5.9	6.9	6.8	Midwest	1.6	1.5	1.6	1.6	1.5	1.4
South	5.6	6.9	7.9	9.1	10.1	10.9	South	1.8	1.8	2.0	2.1	2.1	2.0
West	5.4	5.2	5.2	6.2	7.1	7.3	West	1.9	1.8	2.0	2.1	1.6	1.8
Units in structure:							Units in structure						
1 unit	3.6	3.7	3.8	3.8	3.9	4.0	1 unit	1.2	1.3	1.4	1.4	1.3	1.4
2 or more	6.2	6.7	7.0	7.9	9.2	9.7	2 or more	6.1	5.2	6.1	6.6	6.6	5.8
5 or more	6.5	7.1	7.5	8.6	10.4	11.2	5 or more	12.2	8.6	10.6	10.1	8.3	6.6
Units with:							Units with:						
3 rooms or less	7.2	7.2	7.5	8.6	10.2	10.7	3 rooms or less	3.9	3.3	4.6	5.6	6.2	5.5
4 rooms	5.0	5.7	6.3	6.9	8.0	8.9	4 rooms	2.4	2.4	2.6	2.3	2.3	2.5
5 rooms	4.0	4.4	4.6	5.0	5.3	5.4	5 rooms	1.4	1.4	1.6	2.0	1.7	1.7
6 rooms or more	3.5	3.7	3.5	3.2	3.3	3.3	6 rooms or more	1.2	1.3	1.4	1.4	1.3	1.3
Monthly rent:							Value:						
Less than \$100	3.4	2.5	2.7	3.5	2.6	2.2	Less than \$19,999	2.3	2.3	2.5	2.5	2.6	3.5
\$100 or more	5.4	6.7	5.9	6.6	7.7	9.0	\$20,000 or more	1.2	1.2	1.3	1.3	1.2	1.3
Year built:							Year built:						
1980 or later	5.3	5.9	5.6	7.9	9.5	11.2	1980 or later	1.6	1.6	2.0	2.0	1.6	1.6
1965 or later	5.6	6.2					1965 or later	2.1	1.9				
1940-1959	5.2	5.4	5.6	6.2	6.9	7.7	1940-1959	.6	1.1	1.2	1.2	1.2	1.1
1939 or earlier	5.5	5.8	5.3	5.0	5.0	5.1	1939 or earlier	1.6	1.7	1.7	1.8	1.8	1.7
Plumbing:							Plumbing:						
With all facilities	8.1	8.5	8.7	8.3	7.3	7.5	With all facilities	1.5	1.6	1.6	1.7	1.6	1.6
Lacking facilities	12.2	11.5	13.8	13.8	14.5	16.2	Lacking facilities	3.0	2.6	2.8	2.5	2.0	2.6

 Source: U.S. Bureau of the Census, *Current Housing Reports*, series H-111.

**NO. 1254. RECENT HOME BUYERS—GENERAL CHARACTERISTICS AND DOWNPAYMENTS:
1977 TO 1987**

[As of October. Based on a sample survey; subject to sampling variability]

ITEM	Unit	1977	1978	1980	1981	1982	1986	1984	1985	1986	1987
Median price of house purchased.....	Dollars	49,320	56,100	66,714	78,220	82,500	80,000	80,480	80,480	93,880	99,280
First-time buyers.....	Dollars	43,180	50,800	61,480	83,180	88,900	73,100	81,500	75,100	74,700	84,730
Repeat buyers ¹	Dollars	56,730	64,800	75,750	62,220	96,300	101,800	100,400	108,200	114,880	115,430
Average monthly mortgage payment.....	Dollars	361	449	509	694	732	794	889	898	952	939
Percent of income.....	Percent	250	28.2	32.4	35.5	33.0	32.5	30.3	30.0	28.0	28.9
Percent buying—											
New houses.....	Percent	12.6	17.9	22.4	25.2	23.2	26.4	22.3	23.8	25.7	23.8
Existing houses.....	Percent	87.2	82.2	77.6	74.8	76.8	73.6	77.7	76.2	74.3	76.2
Single-family houses.....	Percent	80.2	87.5	82.4	78.3	78.6	87.8	89.9	87.0	85.1	87.3
Condominiums ²	Percent	9.8	12.1	17.8	20.3	23.4	12.2	10.1	10.8	14.2	12.5
For the first time.....	Percent	48.1	36.8	32.9	39.4	40.6	40.5	37.7	38.8	35.5	36.8
Average age of first-time buyers.....	Years	28.2	28.4	29.3	28.4	28.6	28.9	29.1	28.4	30.9	29.6
Average age of repeat buyers ¹	Years	37.8	34.7	36.4	38.4	37.1	37.3	37.8	36.4	38.5	38.1
Downpayment to sales price.....	Percent	28.1	24.8	28.0	24.1	22.4	22.8	20.8	24.8	23.4	27.2
First-time buyers.....	Percent	18.2	17.6	20.5	19.4	15.1	15.7	12.2	11.4	13.4	20.4
Repeat buyers ¹	Percent	35.0	29.0	32.7	27.1	27.3	27.8	25.8	32.7	28.9	31.3

¹ Buyers who previously owned a home.

² Includes multiple-family houses.

Source: Chicago Title Insurance Company, Chicago, IL, *The Guarantor*, bimonthly. (Copyright.)

**NO. 1255. VOLUME OF LONG-TERM MORTGAGE LOANS ORIGINATED, BY TYPE OF PROPERTY,
1970 TO 1987, AND BY LENDER, 1987**

[In billions of dollars. Covers credit extended in primary mortgage markets for financing real estate acquisitions]

TYPE OF PROPERTY	1970	1975	1980	1982	1983	1984	1985	1986	1987, BY LENDER				
									Total ¹	Savings and loan	Commercial banks	Mortgage companies	Mutual savings
Loans, total.....	88.8	120.7	187.2	153.9	206.6	318.2	383.3	682.1	671.8	210.4	248.5	115.4	45.8
1-4 unit family home.....	35.6	77.9	133.7	97.0	201.9	203.7	243.0	456.1	448.5	173.8	124.6	110.1	34.2
New units.....	12.6	24.8	49.1	30.8	47.4	53.7	53.6	62.8	89.5	28.2	19.3	36.1	4.1
Existing units.....	23.0	53.3	84.6	66.4	154.5	150.0	189.4	372.2	360.0	145.7	105.3	74.0	30.1
Multifamily residential.....	8.8	10.7	12.5	11.4	21.4	27.6	31.9	49.9	45.0	17.7	8.3	2.4	4.8
New units.....	7.0	5.8	6.8	6.1	8.8	11.1	10.6	15.3	14.1	1.8	1.5	.5	.7
Existing units.....	1.8	4.9	3.9	5.3	12.6	16.5	21.3	34.6	30.9	15.9	6.8	1.9	4.1
Non-residential.....	12.5	24.2	35.8	34.3	62.4	77.3	98.4	147.4	168.7	16.8	110.5	2.9	6.8
Farm properties.....	3.0	7.9	15.0	11.2	9.9	10.5	9.0	9.8	8.4	-	5.2	-	-

- Represents zero.

¹ Includes life insurance companies and other lenders not shown separately.

Source: U.S. Dept. of Housing and Urban Development, *Survey of Mortgage Lending Activity, 1970-1979*, and monthly and quarterly press releases based on the Survey of Mortgage Lending Activity.

NO. 1256. CHARACTERISTICS OF CONVENTIONAL FIRST MORTGAGE LOANS FOR PURCHASE OF SINGLE-FAMILY HOMES: 1970 TO 1988

[Annual averages, except as indicated. Refers to loans originated directly (rather than through correspondents) by savings and loan associations, mortgage companies, commercial banks, or mutual savings banks]

LOAN CHARACTERISTIC	Unit	1970	1975	1978	1980	1981	1982	1983	1984	1985	1986	1987	1988, June
NEW HOMES													
Contract interest rate.....	Percent	8.3	8.8	9.3	10.5	12.3	14.1	14.5	12.1	11.9	11.1	9.7	8.9
Initial fees, charges ¹	Percent	1.03	1.53	1.39	1.66	2.09	2.66	2.96	2.39	2.66	2.52	2.50	2.16
Term to maturity.....	Years	25.1	27.0	28.0	28.5	28.1	27.7	27.5	28.7	27.8	27.0	26.6	27.5
Loan to price ratio.....	Percent	71.7	76.2	75.2	73.8	73.2	74.8	76.6	77.3	78.6	77.1	75.3	73.8
Purchase price.....	\$1,000	35.5	44.7	62.8	74.4	83.2	90.3	94.1	93.9	96.6	105.0	118.6	152.0
EXISTING HOMES													
Contract interest rate.....	Percent	8.2	9.0	9.4	10.8	12.5	14.5	14.8	12.3	12.0	11.2	9.6	8.9
Initial fees, charges ¹	Percent	.82	1.16	1.26	1.44	1.91	2.27	2.55	2.40	2.54	2.50	2.13	2.02
Term to maturity.....	Years	22.8	24.2	26.4	27.1	28.9	25.9	24.9	25.9	26.5	25.5	25.4	26.6
Loan to price ratio.....	Percent	71.1	73.6	75.0	74.0	73.5	72.9	71.9	74.3	76.6	75.7	73.9	75.4
Purchase price.....	\$1,000	30.0	39.2	54.5	64.8	68.3	66.5	70.7	79.3	82.2	92.7	108.5	117.7

¹ Rate applies to any general or specific charges paid by borrower or seller, in order to obtain a loan, except those for mortgage, credit, life, or property insurance; for property transfer; and for title search and insurance.

Source: U.S. Federal Home Loan Bank Board, *Savings and Home Financing Source Book*, annual, with monthly rates releases.

No. 1257. LOW-INCOME PUBLIC HOUSING UNITS, BY PROGRESS STAGE: 1960 TO 1987

[In thousands. As of Dec. 31. Housing for the elderly intended for persons 62 years old or over, disabled, or handicapped. Includes Puerto Rico and Virgin Islands. Covers units subsidized by HUD under annual contributions contracts. See also *Historical Statistics, Colonial Times to 1970*, series N 186-191]

YEAR	Total	Occu- pied units ¹	Under con- struction	Other ²	YEAR	Total	Occu- pied units ¹	Under con- struction	Other ²
1960	383.3	478.2	38.4	78.8	1983	1,483.3	1,382.6	88.7	134.1
Elderly	18.9	1.1	4.1	13.7	Elderly	410.0	338.4	35.7	35.9
1970	1,185.3	883.5	128.8	135.0	1984	1,388.7	1,312.9	24.0	31.8
Elderly	249.4	143.4	85.7	40.3	Elderly	373.0	351.4	9.4	12.2
1980	1,321.1	1,185.6	28.9	184.8	1985	1,378.8	1,344.8	8.8	18.5
Elderly	358.3	317.7	11.5	29.1	Elderly	373.5	361.1	2.1	10.3
1981	1,404.0	1,228.3	51.8	123.2	1986	1,388.1	1,333.8	12.1	18.3
Elderly	365.4	327.7	21.8	35.9	Elderly	373.0	363.8	3.0	6.0
1982	1,432.2	1,231.4	88.7	134.1	1987	1,371.7	1,368.1	8.8	23.2
Elderly	392.0	326.4	27.7	35.9	Elderly	373.4	365.4	1.8	8.5

¹ Under management or available for occupancy. ² To be constructed or to go directly "under management" because no rehabilitation needed.

Source: U.S. Dept. of Housing and Urban Development, unpublished data.

No. 1258. RESIDENTIAL LOANS UNDERWRITTEN BY FHA: 1970 TO 1987

[In millions of dollars. Figures are gross amount of insurance written; do not take account of principal repayments on previously insured loans. See also *Historical Statistics, Colonial Times to 1970*, series N 291-297]

LOAN	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
FHA-insured loans	11,382	7,841	22,848	22,301	14,878	14,108	31,881	17,749	28,378	61,788	88,561							
Home mortgages: New properties	2,867	1,148	3,409	4,071	3,177	2,444	4,208	3,704	3,989	7,129	10,385							
Existing properties	5,447	5,017	14,756	12,367	7,102	5,843	22,383	10,821	18,865	49,772	71,516							
Project type mortgages	3,251	878	2,719	4,187	3,024	4,484	3,227	1,867	3,219	3,708	3,780							
Property improvement loans ¹	617	799	1,982	1,846	1,874	1,554	1,852	1,357	1,196	1,149	900							

¹ Not ordinarily secured by mortgages. Includes mobile home loans.

Source: U.S. Dept. of Housing and Urban Development, 1970-1979, *HUD Statistical Yearbook*; thereafter, unpublished data.

No. 1259. OFFICE BUILDINGS—VACANCY RATES, 1960 TO 1988, AND STATUS OF SUPPLY, 1988, BY MAJOR CITY

[As of December; except 1988, as of June. Excludes government owned and occupied, owner-occupied, and medical office buildings]

CITY	VACANCY RATE FOR EXISTING SPACE (percent)									SUPPLY STATUS, 1988 (mil. sq. ft.)			
	1960	1961	1962	1963	1964	1965	1966	1967	1968	Existing space		Space under construction	
										Total	Avail- able for lease	Total	Avail- able for lease
Total ¹	4.6	5.4	11.0	13.6	15.5	18.9	18.8	19.0	19.2	1,878.2	358.3	117.9	98.0
Atlanta, GA	10.0	13.6	16.8	13.7	14.5	21.0	20.1	19.8	18.7	73.8	13.8	4.9	3.6
Baltimore, MD	7.2	3.2	5.9	8.4	11.9	11.5	15.9	15.8	14.9	24.5	3.6	3.4	2.3
Boston, MA	3.8	4.7	7.8	4.4	8.9	13.1	13.0	12.6	13.0	102.7	13.4	8.4	3.5
Charlotte, NC	(NA)	(NA)	(NA)	(NA)	16.7	16.7	15.5	15.1	17.3	16.0	2.8	1.2	.8
Chicago, IL	7.0	6.4	6.9	12.8	14.8	16.5	19.6	17.0	16.7	172.0	28.7	13.3	8.5
Cincinnati, OH	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	17.7	13.3	13.1	20.8	2.7	1.2	.9
Dallas, TX	8.8	8.4	18.8	21.5	18.7	23.0	30.9	29.1	31.2	115.7	36.1	1.8	.8
Denver, CO	6.8	4.1	22.6	24.1	20.6	24.7	25.1	27.9	28.3	69.2	19.6	-	-
Fort Worth, TX	(NA)	(NA)	(NA)	(NA)	24.1	22.5	24.7	26.9	28.5	20.0	5.3	1.8	.4
Houston, TX	4.0	7.6	20.3	28.9	25.0	27.6	30.6	31.8	31.2	146.1	45.5	1	1
Jacksonville, FL	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	17.2	14.7	14.3	12.9	1.8	.7	.5
Kansas City, MO	4.2	6.7	12.4	15.7	18.6	18.2	18.2	18.2	21.0	31.2	6.6	.6	.5
Los Angeles, CA	9	5.5	12.3	14.0	20.4	15.3	13.2	19.0	16.8	213.3	35.9	15.2	11.6
Memphis, TN	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	22.2	23.5	15.8	3.7	.6	.5
Miami, FL	2.4	5.0	6.3	14.0	18.2	20.9	25.2	26.1	26.5	28.1	7.5	.6	.3
Milwaukee, WI	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	16.8	21.8	16.7	3.6	.5	.4
New Orleans, LA	(NA)	3.7	7.4	19.0	22.4	21.8	25.5	24.3	24.3	22.9	5.6	.4	.2
New York, NY ²	3.1	3.6	4.9	5.0	6.8	7.9	8.9	9.7	11.5	225.0	25.8	14.5	10.5
Philadelphia, PA	6.3	5.7	12.8	9.6	9.0	14.5	15.5	16.5	15.7	59.8	8.3	9.7	5.6
Pittsburgh, PA	1.2	2.8	7.1	7.8	14.2	(NA)	12.0	12.3	14.6	45.1	8.6	.5	.4
St. Louis, MO	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	15.6	15.9	27.5	4.4	2.7	2.0
San Antonio, TX	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	30.2	19.1	5.8	.5	.1
San Diego, CA	(NA)	(NA)	25.3	22.9	21.8	24.7	25.4	22.6	21.1	28.6	6.0	4.0	3.6
San Francisco, CA	4	4.2	7.3	11.3	9.0	13.7	16.6	15.0	17.8	52.0	9.3	2.0	1.8
Washington, DC	2.5	1.7	6.3	7.2	9.6	9.0	13.6	13.4	13.2	136.2	17.8	18.0	15.6

- Represents zero. NA Not available. ¹ Includes other cities not shown separately. In 1988, 35 cities were covered.

² Refers to Manhattan.

Source: The Office Network*, Houston, TX, 1960-1985, National Office Market Report, semi-annual; thereafter, International Office Market Report*, semi-annual. (Copyright)

NO. 1254. RECENT HOME BUYERS—GENERAL CHARACTERISTICS AND DOWNPAYMENTS: 1977 TO 1987

(As of October. Based on a sample survey; subject to sampling variability)

ITEM	Unit	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Median price of house purchased.....	Dollars	49,320	56,100	68,714	78,220	82,500	90,000	89,460	80,400	93,680	99,280	
First-time buyers.....	Dollars	43,160	50,800	61,480	63,160	58,900	73,100	61,500	75,100	74,700	84,730	
Repeat buyers ¹	Dollars	58,730	64,800	75,750	82,220	96,300	101,800	100,400	108,200	114,880	115,430	
Average monthly mortgage payment.....	Dollars	361	449	509	694	732	794	888	896	852	939	
Percent of income.....	Percent	260	28.2	32.4	35.5	33.0	32.5	30.3	30.0	28.6	29.3	
Percent buying—												
New houses.....	Percent	12.6	17.8	22.4	25.2	23.2	28.4	22.3	23.8	25.7	23.6	
Existing houses.....	Percent	67.2	82.2	77.5	74.8	76.8	73.6	77.7	76.2	74.3	76.2	
Single-family houses.....	Percent	80.2	87.5	82.4	78.3	78.8	87.8	88.9	87.0	85.1	87.3	
Condominiums ²	Percent	9.8	12.1	17.8	20.3	23.4	12.2	10.1	10.6	14.2	12.5	
For the first time.....	Percent	48.1	36.8	32.9	39.4	40.6	40.5	37.7	36.6	35.5	36.6	
Average age of first-time buyers.....	Years	26.2	28.4	28.3	28.4	28.6	28.9	29.1	28.4	30.9	28.6	
Average age of repeat buyers ¹	Years	37.9	34.7	36.4	36.4	37.1	37.3	37.8	38.4	39.5	39.1	
Downpayment to sales price.....	Percent	28.1	24.9	28.0	24.1	22.4	22.9	20.9	24.8	23.4	27.2	
First-time buyers.....	Percent	19.2	17.6	20.6	18.4	15.1	15.7	13.2	11.4	13.4	20.4	
Repeat buyers ¹	Percent	35.0	29.0	32.7	27.1	27.3	27.8	25.6	32.7	28.9	31.3	

¹ Buyers who previously owned a home.

² Includes multiple-family houses.

Source: Chicago Title Insurance Company, Chicago, IL, *The Guarantor*, bimonthly. (Copyright.)

NO. 1255. VOLUME OF LONG-TERM MORTGAGE LOANS ORIGINATED, BY TYPE OF PROPERTY, 1970 TO 1987, AND BY LENDER, 1987

(In billions of dollars. Covers credit extended in primary mortgage markets for financing real estate acquisitions)

TYPE OF PROPERTY	1970	1975	1980	1982	1983	1984	1985	1986	1987, BY LENDER				
									Total ¹	Savings and loan	Commercial banks	Mortgage companies	Mutual savings
Loans, total.....	99.8	130.7	197.3	163.9	296.6	318.2	363.3	662.1	671.8	218.4	248.6	115.4	45.8
1-4 unit family home.....	35.6	77.9	133.7	97.0	201.9	203.7	243.0	455.1	449.5	173.9	124.9	110.1	34.2
New units.....	12.6	24.8	46.1	30.6	47.4	53.7	53.6	82.8	59.5	28.2	19.3	36.1	4.1
Existing units.....	23.0	53.3	84.6	66.4	154.5	150.0	189.4	372.2	389.0	145.7	105.3	74.0	30.1
Multifamily residential.....	10.7	12.5	11.4	21.4	27.6	31.9	49.9	45.0	17.7	8.3	2.4	4.8	
New units.....	7.0	5.6	6.6	6.1	6.8	11.1	10.6	15.3	14.1	1.8	1.6	.6	7
Existing units.....	1.8	4.9	3.9	5.3	12.8	18.5	21.3	30.9	30.9	15.8	6.8	1.8	4.1
Non-residential.....	12.5	24.2	35.9	34.3	62.4	77.3	99.4	147.4	168.7	16.8	110.5	2.9	6.8
Farm properties.....	3.0	7.9	15.0	11.2	9.8	10.5	9.0	9.8	8.4	-	5.2	-	-

- Represents zero.

¹ Includes life insurance companies and other lenders not shown separately.

Source: U.S. Dept. of Housing and Urban Development, *Survey of Mortgage Lending Activity, 1970-1979*, and monthly and quarterly press releases based on the Survey of Mortgage Lending Activity.

NO. 1256. CHARACTERISTICS OF CONVENTIONAL FIRST MORTGAGE LOANS FOR PURCHASE OF SINGLE-FAMILY HOMES: 1970 TO 1988

(Annual averages, except as indicated. Refers to loans originated directly (rather than through correspondents) by savings and loan associations, mortgage companies, commercial banks, or mutual savings banks)

LOAN CHARACTERISTIC	Unit	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988, June
NEW HOMES														
Contract interest rate.....	Percent	8.3	8.6	9.3	10.5	12.3	14.1	14.5	12.1	11.9	11.1	9.7	8.9	8.9
Initial fees, charges ¹	Percent	1.03	1.53	1.39	1.66	2.09	2.66	2.96	2.39	2.66	2.52	2.50	2.26	2.16
Term to maturity.....	Years	25.1	27.0	28.0	26.5	28.1	27.7	27.5	26.7	27.6	27.0	26.6	27.8	27.5
Loan to price ratio.....	Percent	71.7	76.2	75.2	73.8	73.2	74.6	76.6	77.3	76.6	77.1	75.3	75.2	73.8
Purchase price.....	\$1,000	35.5	44.7	62.8	74.4	83.2	90.3	94.1	93.9	96.8	105.0	119.8	137.2	152.0
EXISTING HOMES														
Contract interest rate.....	Percent	8.2	8.0	9.4	10.6	12.5	14.5	14.8	12.3	12.0	11.2	9.5	8.9	8.0
Initial fees, charges ¹	Percent	.92	1.16	1.26	1.44	1.91	2.27	2.55	2.40	2.54	2.50	2.13	2.02	1.89
Term to maturity.....	Years	22.8	24.2	25.4	27.1	28.9	25.9	24.9	25.9	26.5	25.5	25.4	25.8	27.7
Loan to price ratio.....	Percent	71.1	73.8	75.0	74.0	73.5	72.9	71.9	74.3	76.8	75.7	73.9	78.4	77.2
Purchase price.....	\$1,000	30.0	39.2	54.5	64.8	68.3	69.5	70.7	79.3	82.2	92.7	108.6	117.7	123.7

¹ Rate applies to any general or specific charge paid by borrower or seller, in order to obtain a loan, except those for mortgage, credit, life, or property insurance; for property transfer; and for life search and insurance.

Source: U.S. Federal Home Loan Bank Board, *Savings and Home Financing Source Book*, annual, and monthly news releases.

NO. 1257. LOW-INCOME PUBLIC HOUSING UNITS, BY PROGRESS STAGE: 1960 TO 1987

[In thousands. As of Dec. 31. Housing for the elderly intended for persons 62 years old or over, disabled, or handicapped. Includes Puerto Rico and Virgin Islands. Covers units subsidized by HUD under annual contributions contracts. See also *Historical Statistics, Colonial Times to 1970*, series N 186-191]

YEAR	Total	Occu- pied units ¹	Under con- struction	Other ²	YEAR	Total	Occu- pied units ¹	Under con- struction	Other ²
1960	893.3	476.2	36.4	79.8	1980	1,483.9	1,282.5	86.7	134.1
Elderly	18.9	1.1	4.1	13.7	Elderly	410.0	338.4	35.7	35.9
1970	1,186.3	893.5	126.8	136.0	1984	1,388.7	1,212.9	24.0	31.8
Elderly	249.4	143.4	65.7	40.3	Elderly	373.0	361.4	9.4	12.2
1985	1,321.1	1,195.6	20.9	104.6	1986	1,378.0	1,344.6	9.8	18.5
Elderly	358.3	317.7	11.5	29.1	Elderly	373.5	361.1	2.1	10.3
1981	1,464.0	1,229.9	61.6	122.2	1988	1,388.1	1,333.8	12.1	18.3
Elderly	365.4	327.7	21.8	35.9	Elderly	373.0	363.9	3.0	6.0
1983	1,432.2	1,231.4	86.7	134.1	1987	1,371.7	1,366.1	9.8	23.2
Elderly	382.0	328.4	27.7	■	Elderly	373.4	365.4	1.8	6.5

¹ Under management or available for occupancy. ² To be constructed or to go directly "under management" because no rehabilitation needed.

Source: U.S. Dept. of Housing and Urban Development, unpublished data.

NO. 1258. RESIDENTIAL LOANS UNDERWRITTEN BY FHA: 1970 TO 1987

[In millions of dollars. Figures are gross amount of insurance written, do not take account of principal repayments on previously insured loans. See also *Historical Statistics, Colonial Times to 1970*, series N 291-297]

LOAN	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
FHA-insured loans	11,882	7,941	22,848	22,301	14,976	14,106	31,651	17,746	28,378	61,758	66,561
Home mortgages: New properties	2,887	1,148	3,409	4,071	3,177	2,444	4,209	3,704	3,989	7,129	10,385
Existing properties	5,447	5,017	14,758	12,387	7,102	5,643	22,363	10,621	18,985	49,772	71,518
Project type mortgages	3,251	976	2,719	4,197	3,024	4,464	3,227	1,887	3,219	3,708	3,780
Property improvement loans ¹	617	799	1,962	1,846	1,874	1,554	1,852	1,367	1,196	1,148	900

¹ Not ordinarily secured by mortgages. Includes mobile home loans.

Source: U.S. Dept. of Housing and Urban Development, 1970-1979, *HUD Statistical Yearbook*; thereafter, unpublished data.

NO. 1259. OFFICE BUILDINGS—VACANCY RATES, 1960 TO 1988, AND STATUS OF SUPPLY, 1988, BY MAJOR CITY

[As of December, except 1968, as of June. Excludes government owned and occupied, owner-occupied, and medical office buildings]

CITY	VACANCY RATE FOR EXISTING SPACE (percent)										SUPPLY STATUS, 1988 (mil sq ft.)			
	1960	1961	1962	1965	1964	1966	1968	1967	1969	1988	Existing space		Space under construction	
											Total	Avail- able for lease	Total	Avail- able for lease
Total ¹	4.6	6.4	11.9	13.5	15.5	16.9	18.6	19.0	19.2	1,479.2	368.3	117.9	80.0	
Atlanta, GA	10.0	13.6	16.8	13.7	14.5	21.0	20.1	19.6	18.7	73.8	13.8	4.9	3.6	
Baltimore, MD	7.2	3.2	5.9	6.4	11.9	11.5	15.9	15.6	14.9	24.5	3.8	3.4	2.3	
Boston, MA	3.8	4.7	7.8	4.4	8.9	13.1	13.0	12.8	13.0	102.7	13.4	6.4	3.5	
Charlotte, NC	(NA)	(NA)	(NA)	(NA)	16.7	18.7	15.5	15.1	17.3	16.0	2.8	1.2	6	
Chicago, IL	7.0	6.4	6.9	12.6	14.8	18.5	19.6	17.0	16.7	172.0	26.7	13.3	8.5	
Cincinnati, OH	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	17.7	13.3	13.1	20.8	2.7	1.2	9	
Dallas, TX	6.6	6.4	18.6	21.5	18.7	23.0	30.9	29.1	31.2	115.7	36.1	1.8	8	
Denver, CO	6.6	4.1	22.6	24.1	20.6	24.7	25.1	27.9	26.3	69.2	19.6	-	-	
Fort Worth, TX	(NA)	(NA)	(NA)	(NA)	24.1	22.5	24.7	26.9	26.5	20.0	5.3	1.8	4	
Houston, TX	4.0	7.6	20.3	26.9	25.0	27.6	30.6	31.8	31.2	146.1	45.5	1	1	
Jacksonville, FL	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	17.2	14.7	14.3	12.9	1.8	7	5	
Kansas City, MO	4.2	6.7	12.4	15.7	18.6	18.2	18.2	18.2	21.0	31.2	6.6	6	5	
Los Angeles, CA	.9	5.5	12.3	14.0	20.4	15.3	13.2	19.0	16.8	213.3	35.9	15.2	11.6	
Memphis, TN	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	22.2	23.5	15.8	3.7	6	5	
Miami, FL	2.4	5.0	6.3	14.0	18.2	20.9	25.2	26.1	26.5	26.1	7.5	6	3	
Milwaukee, WI	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	18.8	21.8	16.7	3.8	5	4	4	
New Orleans, LA	(NA)	3.7	7.4	19.0	22.4	21.8	25.5	24.3	24.3	22.9	5.8	4	2	
New York, NY ²	3.1	3.8	4.9	5.0	6.8	7.9	8.9	9.7	11.5	225.0	25.8	14.5	10.5	
Philadelphia, PA	6.3	5.7	12.6	9.8	9.0	14.5	15.5	16.5	15.7	59.8	9.3	9.7	5.6	
Pittsburgh, PA	1.2	2.8	7.1	7.8	14.2	(NA)	12.0	12.3	14.8	45.1	6.8	5	4	
St. Louis, MO	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	15.6	15.9	27.5	4.4	2.7	2.0	
San Antonio, TX	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	30.2	19.1	5.8	5	1	
San Diego, CA	(NA)	(NA)	25.3	22.9	21.8	24.7	25.4	22.9	21.1	26.8	6.0	4.0	3.5	
San Francisco, CA	4	4.2	7.3	11.3	9.0	13.7	16.6	15.0	17.8	52.0	9.3	2.0	1.8	
Washington, DC	2.5	1.7	8.3	7.2	9.8	9.0	13.8	13.4	13.2	136.2	17.9	19.0	15.8	

- Represents zero. NA: Not available. ¹ Includes other cities not shown separately. In 1968, 35 cities were covered.

² Refers to Manhattan.

Source: The Office Network*, Houston, TX, 1960-1988, *National Office Market Report*, semi-annual, Executive, International Office Market Report*, semi-annual. (Copyright.)

No. 1260. COMMERCIAL BUILDINGS—SELECTED CHARACTERISTICS, BY SQUARE FOOTAGE OF FLOORSPACE: 1986

[Excludes buildings 1,000 square feet or smaller. Building type based on predominant activity in which the occupants were engaged. Based on a sample survey of building representatives conducted between January and April 1986; therefore, subject to sampling variability. For composition of regions, see fig. 1, inside front cover]

CHARACTERISTIC	Num- ber of build- ings (1,000)	FLOORSPACE (mil. sq. ft.)							Mean sq. ft. per build- ing (1,000)	Median sq. ft. per build- ing (1,000)
		Total	Within all buildings having square footage of—							
			5,000 or less	5,001 to 10,000	10,001 to 25,000	25,001 to 50,000	50,001 to 100,000	100,001 and over		
All buildings	4,154	58,229	6,299	6,861	9,119	6,861	6,299	18,821	14.8	5.9
Region:										
Northeast	663	11,830	855	1,358	1,443	1,922	1,525	4,728	17.8	6.0
Midwest	1,096	16,034	1,565	2,033	2,431	1,959	2,333	5,714	14.8	5.0
South	1,570	19,427	2,528	2,314	3,291	2,908	3,208	5,146	12.4	4.8
West	825	10,937	1,261	1,158	1,955	1,842	1,491	3,233	13.3	4.8
Year constructed:										
1984 to 1986	309	4,678	442	509	785	804	611	1,525	15.1	5.0
1980 to 1983	350	5,205	611	487	803	503	730	2,071	14.9	4.8
1974 to 1979	572	8,230	852	978	1,142	1,155	1,482	2,612	14.4	4.8
1971 to 1973	243	4,307	332	466	483	528	535	1,982	17.7	5.4
1961 to 1970	730	11,466	1,027	1,160	1,639	1,850	1,813	3,980	15.7	5.0
1946 to 1960	678	9,712	1,406	1,335	1,894	1,459	1,529	2,287	11.1	4.8
1921 to 1945	629	8,594	922	948	1,753	1,312	1,078	2,581	13.7	5.0
1901 to 1920	255	3,665	361	469	539	616	469	(s)	14.4	5.0
1900 or before	186	2,368	254	490	301	433	(s)	(s)	12.8	6.0
Principal activity within building:										
Assembly	575	7,339	798	1,020	1,750	1,181	1,040	(s)	12.8	5.6
Education	241	7,321	200	375	749	1,424	1,454	(s)	30.3	10.0
Food sales/service	303	1,993	588	(s)	(s)	(s)	(s)	(s)	8.6	3.5
Health care	52	2,107	63	(s)	(s)	197	(s)	1,563	40.5	5.0
Lodging	137	2,785	136	208	506	546	606	(s)	20.4	8.0
Mercantile/services	1,267	12,805	2,062	2,280	2,284	1,622	1,700	2,678	9.9	4.5
Office	614	9,546	1,003	999	1,284	1,227	1,047	3,996	15.5	4.7
Public order and safety	55	680	78	(s)	218	(s)	(s)	(s)	12.4	5.4
Warehouse	549	8,998	774	920	1,143	1,574	1,446	(s)	18.4	5.1
Other	103	1,726	162	(s)	279	(s)	352	(s)	16.8	4.9
Vacant	238	2,931	365	355	458	531	503	(s)	12.3	4.8
Government owned	483	12,187	588	752	1,458	2,053	2,069	5,290	24.7	7.0
Non-government owned	3,661	46,041	5,644	6,109	7,661	6,607	6,480	13,529	12.6	4.8
Fuels used alone or in combination:										
Electricity	4,013	57,036	5,970	6,674	6,901	8,553	8,241	18,897	14.2	5.0
Natural gas	2,278	38,140	3,108	4,132	5,779	5,388	5,279	14,454	16.7	5.6
Fuel oil	542	11,163	711	1,038	1,136	1,462	1,431	5,383	20.6	8.0
Propane	351	3,362	614	473	588	555	597	(s)	9.6	4.0
Steam or hot water	78	4,845	68	(s)	316	436	747	3,043	59.5	16.0
Chilled water	15	1,191	(s)	(s)	(s)	(s)	(s)	868	79.7	19.5
Minor fuels ¹	163	1,557	227	245	251	(s)	(s)	(s)	9.6	3.2
No energy sources used	136	1,171	229	174	(s)	(s)	(s)	(s)	8.6	3.2
Workers:										
Fewer than 5	2,033	13,129	3,658	2,835	2,545	1,514	1,256	(s)	6.5	3.2
5 to 9	842	6,576	1,469	1,491	1,321	986	809	(s)	7.8	4.5
10 to 19	587	7,895	777	1,287	2,051	1,531	1,233	(s)	13.4	6.9
20 to 49	434	8,847	253	1,049	2,150	2,423	1,336	(s)	20.4	11.3
50 to 99	152	6,510	(s)	189	836	1,547	1,636	(s)	42.9	25.5
100 to 249	73	6,445	(s)	(s)	213	665	1,929	(s)	87.9	63.0
250 or more	33	8,828	(s)	(s)	(s)	(s)	476	8,252	264.5	160.0
Weekly operating hours:										
39 or less	870	9,286	1,448	1,333	1,542	1,459	1,279	(s)	10.7	4.3
40 to 46	1,986	15,167	1,623	1,658	2,671	2,624	2,215	4,377	14.0	5.0
49 to 80	919	10,895	1,302	1,770	2,121	1,466	1,360	2,783	11.8	5.0
81 to 84	556	9,780	777	950	1,245	1,510	1,477	3,800	17.5	5.4
85 to 167	375	5,514	582	665	597	634	1,106	(s)	14.7	4.9
168 (open continuously)	347	7,696	476	466	943	967	1,119	3,726	22.2	5.4

S Figure does not meet publication standards. ¹ Active solar, coal, wood and biomass.
Source: U.S. Energy Information Administration, *Nonresidential Buildings Energy Consumption Survey: Characteristics of Commercial Buildings, 1986*.

**NO. 1261. COMMERCIAL BUILDINGS AND WORKERS—SELECTED BUILDING CHARACTERISTICS, BY
FLOORSPACE: 1986**

[See headnote, table 1260]

BUILDING CHARACTERISTICS	NUMBER OF BUILDINGS (1,000)							WORKERS		
	Total	Square footage of—						Num- ber (1,000)	Aver- age sq. ft. per worker	Median sq. ft. per worker
		5,000 or less	5,001 to 10,000	10,001 to 25,000	25,001 to 50,000	50,001 to 100,000	100,001 and over			
All buildings	4,184	2,229	891	667	342	123	81	73,438	792.9	1,000.9
Region:										
Northeast	663	298	189	90	53	21	16	16,163	731.0	1,000.5
Midwest	1,096	598	277	147	56	39	24	17,838	909.2	1,251.9
South	1,570	906	312	200	69	47	22	25,098	774.0	975.8
West	825	468	169	120	51	22	16	14,516	753.4	833.9
Principal activity within building:										
Assembly	575	274	136	106	39	18	(8)	4,303	1,705.7	2,901.8
Education	241	72	80	44	37	21	(8)	6,833	1,071.5	932.5
Food sales/service	303	204	(8)	(8)	(8)	(8)	(8)	5,073	630.8	656.4
Health care	52	27	(8)	(8)	6	(8)	4	5,060	417.3	422.7
Lodging	137	48	29	31	18	9	(8)	2,277	1,223.2	2,001.3
Mercantile/services	1,267	757	309	142	46	23	10	15,670	808.9	900.7
Office	614	343	133	74	35	15	15	25,010	361.7	437.9
Public order and safety	55	28	(8)	13	(8)	(8)	(8)	1,367	497.8	675.3
Warehouse	549	274	123	72	44	21	(8)	5,343	1,863.6	3,001.8
Other	103	58	(8)	18	(8)	5	(8)	1,586	1,102.2	1,801.3
Vacant	239	136	47	30	15	8	(8)	746	3,933.6	(x)
Non-government owned	3,861	2,024	826	471	189	94	66	57,505	800.6	1,000.9
Owner occupied	2,366	1,336	546	301	120	66	32	36,691	811.5	1,000.9
Nonowner occupied	1,265	688	282	170	69	28	23	21,814	783.0	1,033.3
Government owned	483	199	104	66	54	29	25	15,931	785.0	1,000.1

8 Figure does not meet publication standards. X Not applicable.

Source: U.S. Energy Information Administration, *Nonresidential Buildings Energy Consumption Survey: Characteristics of Commercial Buildings, 1986*.

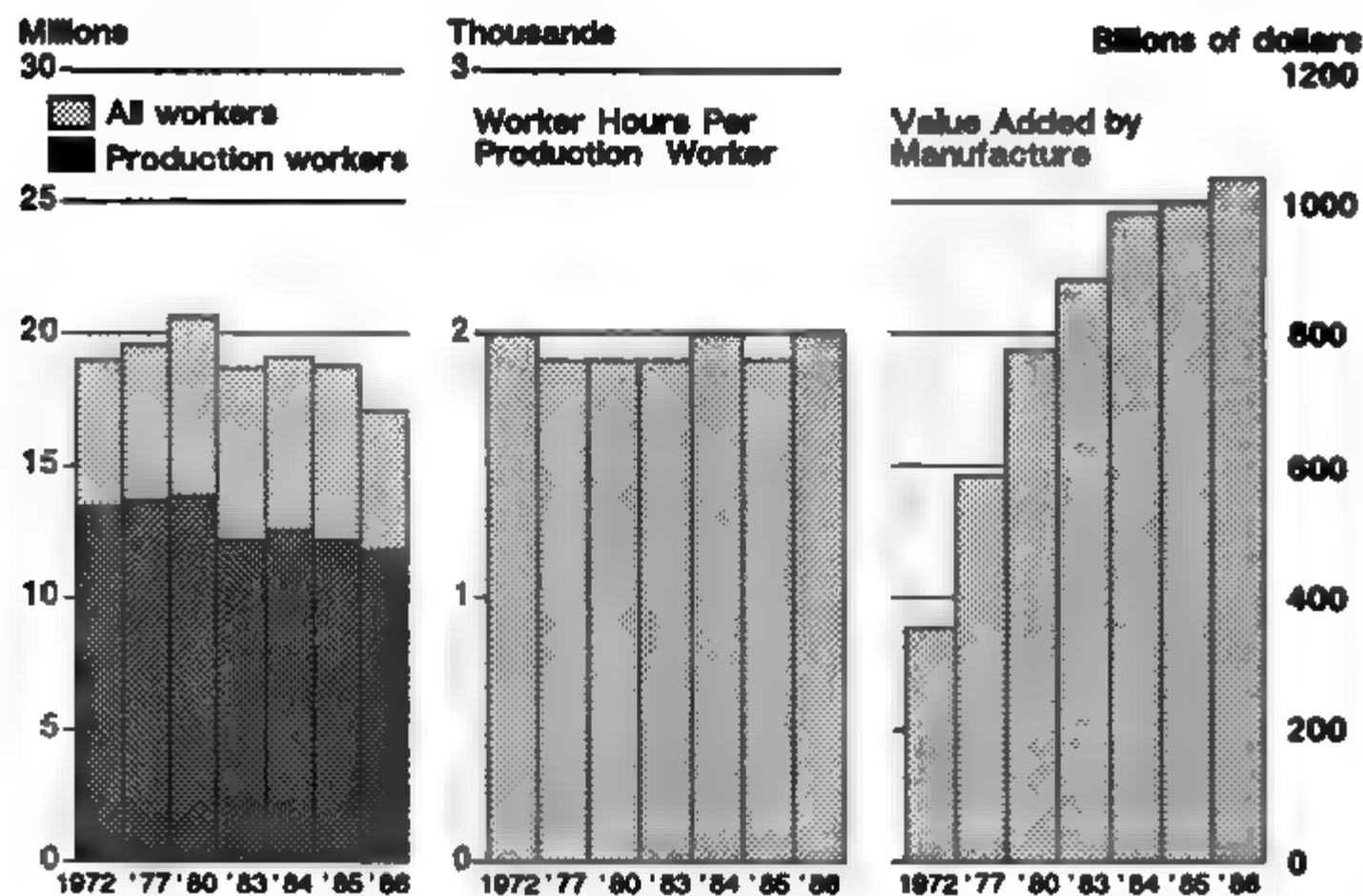
**NO. 1262. COMMERCIAL BUILDINGS—NUMBER AND SQUARE FOOTAGE OF FLOORSPACE, BY TYPE OF
BUILDING AND CHARACTERISTIC: 1986**

BUILDING CHARACTERISTICS	All build- ings	As- sembly	Educa- tion	Food sales/ service	Health care	Lodg- ing	Mer- cantile/ serv- ices	Office	Public order and safety	Ware- house	Other ¹
NUMBER (1,000)											
All buildings	4,184	575	241	303	62	137	1,267	614	55	549	341
Region:											
Northeast	663	71	29	(8)	10	22	227	91	13	99	44
Midwest	1,096	156	42	88	9	30	349	153	(8)	154	103
South	1,570	241	80	105	17	53	481	236	18	219	118
West	825	108	80	(8)	17	31	231	131	(8)	77	76
Year constructed:											
1900 or before	189	41	(8)	(8)	(8)	(8)	55	27	(8)	18	(8)
1901 to 1920	255	36	10	(8)	(8)	(8)	66	36	(8)	23	(8)
1921 to 1945	629	94	34	(8)	6	12	193	92	(8)	79	61
1946 to 1960	878	131	68	53	6	32	282	107	(8)	122	65
1961 to 1970	730	103	56	54	14	42	203	104	(8)	92	48
1971 to 1973	243	36	16	(8)	6	(8)	76	40	(8)	29	(8)
1974 to 1979	572	72	21	57	3	14	181	83	(8)	67	(8)
1980 to 1983	350	35	20	(8)	(8)	10	111	64	(8)	53	(8)
1984 to 1985	306	28	12	(8)	(8)	9	101	50	(8)	46	33
Government owned	483	77	161	(8)	6	10	45	55	33	40	52
Non-government owned	3,661	498	80	221	44	127	1,242	559	(8)	509	290
FLOORSPACE (mil. sq. ft.)											
All buildings	66,229	7,339	7,321	1,969	2,107	2,796	12,896	9,546	868	8,986	4,867
Region:											
Northeast	11,830	1,229	1,603	(8)	328	602	2,785	1,782	289	1,005	906
Midwest	16,034	2,004	2,212	664	556	636	3,525	2,536	(8)	2,246	1,475
South	19,427	2,724	2,174	583	806	948	4,487	2,838	147	3,458	1,261
West	10,937	1,382	1,332	(8)	415	597	2,008	2,380	(8)	1,367	1,012
Year constructed:											
1900 or before	2,366	726	(8)	(8)	(8)	(8)	521	343	(8)	316	(8)
1901 to 1920	3,666	600	347	(8)	(8)	(8)	621	686	(8)	301	(8)
1921 to 1945	8,584	1,281	1,228	(8)	316	386	1,507	1,279	(8)	1,304	889
1946 to 1960	9,712	1,332	1,648	296	352	365	2,084	1,000	(8)	1,979	540
1961 to 1970	11,489	1,156	2,045	503	224	603	2,337	1,729	(8)	1,642	821
1971 to 1973	4,307	607	776	(8)	280	(8)	726	672	(8)	614	(8)
1974 to 1979	8,230	903	682	294	319	316	2,306	1,322	(8)	1,484	(8)
1980 to 1983	5,206	376	396	(8)	(8)	190	1,325	1,414	(8)	621	(8)
1984 to 1985	4,678	353	141	(8)	(8)	309	1,186	1,086	(8)	722	391
Government owned	12,167	1,417	5,827	(8)	560	339	662	1,186	533	530	901
Non-government owned	46,041	5,921	1,394	1,889	1,547	2,446	12,133	8,360	(8)	8,456	2,757

8 Figure does not meet publication standards. ¹ Includes vacant commercial buildings.

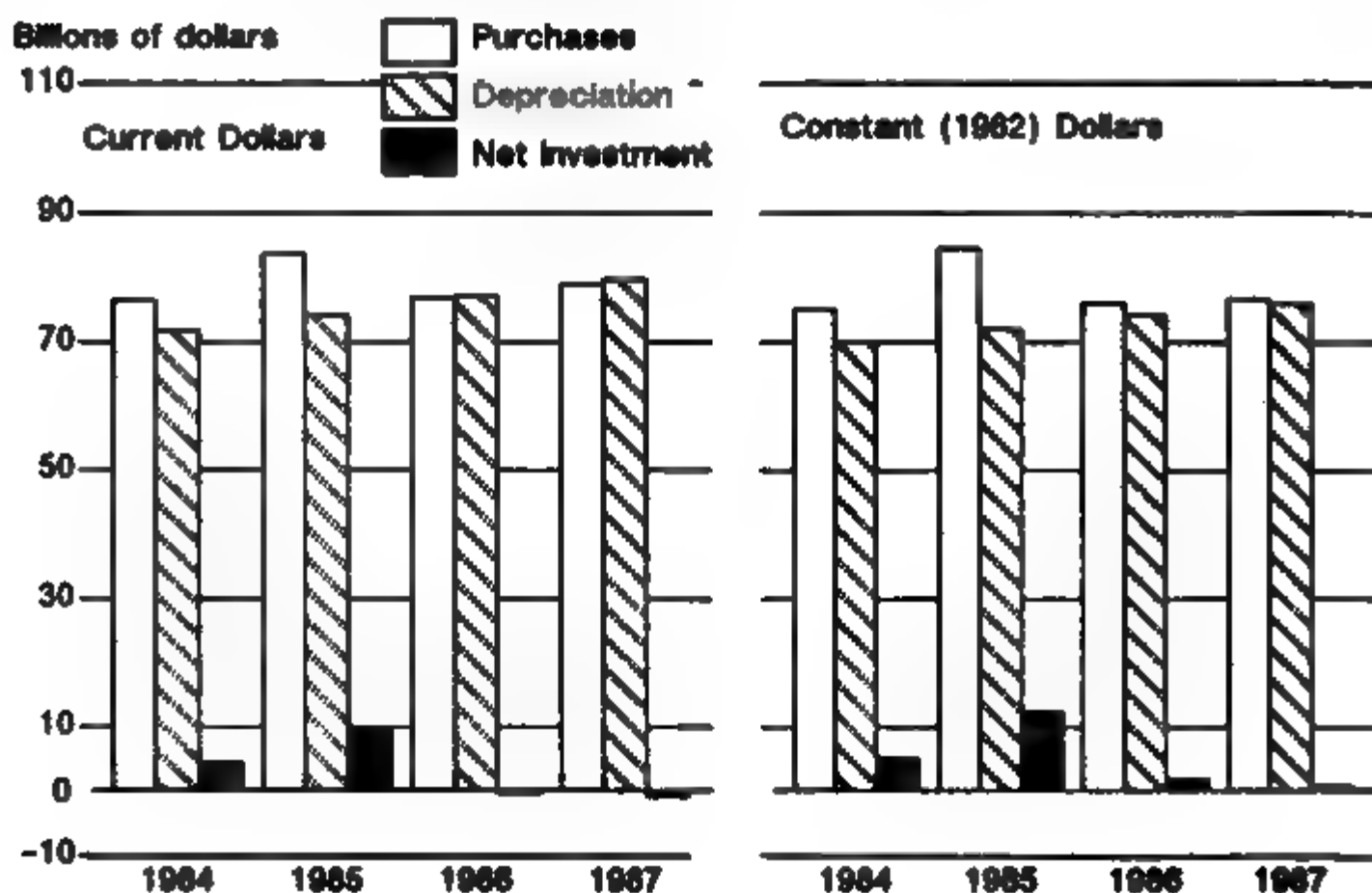
Source: U.S. Energy Information Administration, *Nonresidential Buildings Energy Consumption Survey: Characteristics of Commercial Buildings, 1986*.

Figure 27.1
Manufactures-Summary: 1972 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 1268.

Figure 27.2
Capital in Manufacturing Establishments: 1984 to 1987



Source: Chart prepared by U.S. Bureau of the Census. For data see table 1270.



Section 27

Manufactures

This section presents summary data for manufacturing as a whole and more detailed information for major industry groups and selected specific products. The types of measures shown at the different levels include data for establishments; employment and wages; raw materials, fuels, and electricity consumed; plant and equipment expenditures; value and quantity of production and shipments; value added by manufacture; inventories; and various indicators of financial status.

The principal sources of these data are Bureau of the Census reports of the censuses of manufactures conducted every five years; the *Annual Survey of Manufactures*; and the *Current Industrial Reports* series, which presents monthly, quarterly, or annual data on production, shipments, and stocks for particular commodities. Indexes of industrial production are presented monthly in the Federal Reserve Board's *Federal Reserve Bulletin*. Reports on current activities of industries, or current movements of individual commodities, are compiled by such government agencies as the Bureau of Labor Statistics; the Economic Research Service of the Department of Agriculture; the International Trade Administration; and by private research or trade associations such as The Conference Board, Inc., New York, and the American Iron and Steel Institute, Washington, DC.

Data on financial aspects of manufacturing industries are collected by the Bureau of Economic Analysis (BEA) and the Bureau of the Census. Industry aggregates in the form of balance sheets, profit and loss statements, analyses of sales and expenses, lists of subsidiaries, and types and amounts of security issues are published for leading manufacturing corporations registered with the SEC. The BEA issues data on capital in manufacturing industries and capacity utilization rates in manufacturing. See also section 17, Business Enterprise, in this edition.

Censuses and annual surveys.—The first census of manufactures covered the year 1809. Between 1809 and 1963, a census was conducted at periodic intervals. Since 1967 it has been taken every 5 years (for years ending in "2" and "7"). Census data, either direct reports or estimates from administrative records, are obtained for every manufacturing plant with one employee or more.

The Annual Survey of Manufactures, conducted for the first time in 1949, collects data for the years between censuses for the more general measures of manufacturing activity covered in detail by the censuses. The annual survey data are estimates derived from a scientifically selected sample of establishments. The 1986 annual survey is based on a sample of about 56,000 establishments of an approximate total of 350,000. It comprises all large plants, which account for approximately two-thirds of total U.S. manufacturing employment, and a representative selection of small plants. Government-owned and -operated establishments are excluded.

The basic statistical measures of manufacturing activity, such as employment, payrolls, value added, etc., are defined in essentially the same way for both the annual surveys and the census of manufactures. However, the bases for computing average employment vary for different years. For example, beginning with 1949, average employment was calculated from the figures reported for the pay periods ending nearest the 15th of March, May, August, and November, whereas for 1947 such averages were based on 12 monthly employment figures. In 1967, the average employment calculation was revised to the pay periods which include the 12th of March, May, August, and November to provide data more comparable with other statistical series.

Establishments and classification.—The censuses of manufactures for 1947 through 1982 cover operating manufacturing establishments as defined in the *Standard Industrial Classification Manual (SIC)*, issued by the U.S. Office of Management and Budget (see text, section 13). The *Manual* is also used for classifying establishments in the annual surveys. The comparability of manufactures data over time is affected by changes in the official definitions of industries as presented in the *Manual*. It is important to note therefore, that the 1972 edition of the *Manual* was used for the 1972 census; and the 1972 edition of the *Manual* and the *1977 Supplement* was used for the 1977 and 1982 censuses while the 1967 *Manual* was used for the 1967 census. For the censuses from 1947 to 1963, reports were required from all establishments employing one or more persons at any time during the census year. Beginning with the 1967 census, an effort was made to relieve the very small establishments from the necessity of filing a census report. Approximately 130,000 small single-unit manufacturing firms identified as having less than 20 employees (cutoff varied by industry) benefited from this procedure. Data for these single unit companies were estimated on the basis of government administrative records and industry averages. Each of the establishments tabulated was classified in one of the approximately 450 manufacturing industries as defined by the

SIC Manual in 1972, 1977, and 1982. The *Manual* defines an industry as a number of establishments producing a single product or a closely related group of products. In the main, an establishment is classified in a particular industry if its production of a product or product group exceeds in value added its production of any other product group. While some establishments produce only the products of the industry in which they are classified, few within an industry specialize to that extent. The statistics on employment, payrolls, value added, inventories, and expenditures, therefore, reflect both the primary and secondary activities of the establishments in that industry. For this reason care should be exercised in relating such statistics to the total shipments figures of products primary to the industry.

The censuses for 1947 through 1982 were conducted on an establishment basis. The term "establishment" signifies a single physical plant site or factory. It is not necessarily identical with the business unit or company, which may consist of one or more establishments. A company operating establishments at more than one location is required to submit a separate report for each location. An establishment engaged in distinctly different lines of activity and maintaining separate payroll and inventory records is also required to submit separate reports.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

NO. 1263. GROSS NATIONAL PRODUCT IN MANUFACTURING IN CURRENT AND CONSTANT (1982) DOLLARS: 1970 TO 1987

[In billions of dollars, except percent. For definition of gross national product, see text, section 14. Based on 1972 Standard Industrial Classification]

ITEM	1970	1970	1985	1991	1993	1995	1994	1995	1995	1997
CURRENT DOLLARS										
Manufacturing	252.3	357.3	991.0	643.1	634.6	683.2	771.9	799.5	829.1	863.6
Percent of gross national product.....	24.8	22.3	21.2	21.0	20.0	20.0	20.5	19.7	19.3	18.9
Durable goods ¹	145.8	206.3	351.8	395.8	362.5	395.8	451.1	458.8	498.1	490.0
Lumber and wood products.....	7.1	10.4	18.7	17.1	16.0	20.5	22.8	22.2	24.7	27.7
Stone, clay, and glass products.....	8.0	11.5	19.0	18.2	20.2	20.2	22.9	24.8	25.9	27.5
Primary metal industries.....	18.4	26.5	44.3	49.8	35.3	30.3	36.3	34.8	33.7	36.4
Fabricated metal products.....	18.2	27.4	46.0	49.6	46.3	47.6	55.1	57.8	59.1	60.3
Machinery, except electrical.....	28.2	41.7	76.9	66.2	60.0	75.3	65.4	62.7	60.7	61.2
Electric and electronic equipment	21.5	28.3	55.0	60.7	61.6	67.7	79.9	62.2	63.6	65.0
Motor vehicles and equipment.....	18.2	19.9	28.7	31.5	29.5	39.0	49.6	53.7	51.4	49.9
Other transportation equipment.....	13.4	16.8	28.2	26.6	32.2	40.1	46.0	46.0	53.0	56.0
Instruments and related products.....	7.0	10.2	19.0	22.3	22.6	23.8	26.9	25.8	26.7	27.0
Nondurable goods ¹	106.3	151.0	229.2	367.3	272.1	297.8	320.8	330.8	354.1	373.6
Food and kindred products	28.7	39.1	52.2	57.9	61.4	64.7	66.6	69.8	71.6	74.0
Apparel and other textile products	9.0	11.5	17.1	18.7	18.9	20.3	20.7	20.8	21.0	22.5
Paper and allied products.....	9.7	13.9	23.1	25.1	26.7	27.8	31.9	33.1	35.2	39.5
Printing and publishing.....	12.9	18.6	31.6	35.2	36.4	42.4	47.6	52.5	55.1	58.2
Chemicals and allied products.....	19.1	30.0	45.5	53.3	55.3	59.6	62.0	63.8	70.1	77.1
Petroleum and coal products.....	6.9	9.9	16.8	19.8	24.4	26.3	33.7	32.2	37.0	33.6
Rubber and miscellaneous plastic products ..	7.2	10.4	16.8	19.3	19.3	21.9	24.4	25.9	28.1	30.0
CONSTANT (1982) DOLLARS										
Manufacturing	395.8	547.5	695.4	676.1	634.6	675.5	757.9	799.5	634.6	330.8
Percent of gross national product.....	21.0	20.3	20.9	20.8	20.0	20.6	21.6	21.7	21.6	21.8
Durable goods ¹	304.8	325.2	401.5	404.9	362.5	390.4	458.8	498.7	505.0	525.2
Lumber and wood products.....	14.7	16.4	20.4	18.9	18.0	18.1	20.4	20.1	21.5	23.5
Stone, clay, and glass products.....	17.7	18.7	21.1	19.8	18.2	19.7	21.6	22.8	22.2	23.1
Primary metal industries.....	46.8	44.0	48.4	46.2	35.3	30.0	34.7	34.2	34.3	34.3
Fabricated metal products.....	44.1	41.8	52.5	52.2	46.3	46.9	55.8	56.8	56.7	56.5
Machinery, except electrical.....	57.0	64.1	84.6	66.8	60.0	66.9	114.8	134.5	147.0	160.7
Electric and electronic equipment	34.4	37.6	62.7	64.3	61.6	68.2	77.3	79.7	80.3	82.5
Motor vehicles and equipment.....	26.5	33.7	33.7	33.9	29.5	36.5	47.9	50.9	44.9	40.3
Other transportation equipment.....	34.3	33.8	36.1	33.3	32.2	36.6	42.6	43.8	47.4	50.2
Instruments and related products.....	12.3	16.1	21.8	23.7	22.6	23.3	25.4	24.7	25.2	25.3
Nondurable goods ¹	202.0	222.2	263.9	271.2	272.1	285.1	291.1	293.0	285.7	314.3
Food and kindred products	43.8	48.2	58.7	58.2	61.4	62.0	60.8	63.1	61.6	63.7
Apparel and other textile products	14.0	16.7	20.1	20.3	18.9	19.8	20.4	19.9	19.8	21.4
Paper and allied products.....	18.8	20.2	24.6	24.6	26.7	26.7	30.2	30.2	31.3	33.0
Printing and publishing.....	29.9	32.4	36.9	36.3	36.4	39.9	41.3	43.0	42.3	42.6
Chemicals and allied products.....	34.4	39.3	50.1	53.5	55.3	59.6	60.0	59.1	64.1	68.8
Petroleum and coal products.....	23.8	25.1	26.7	25.5	24.4	24.0	25.0	24.9	26.3	26.6
Rubber and miscellaneous plastic products ..	12.7	15.2	18.9	20.9	19.3	21.7	24.3	26.2	26.8	29.8

¹ Includes industries not shown separately.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July issues.

No. 1284. MANUFACTURES—SUMMARY: 1963 TO 1986

[For establishment coverage, see text, section 27. Data based on Census of Manufactures, except as noted. For composition of regions, see fig. 1, inside front cover. See also Historical Statistics, Colonial Times to 1970, series P 1-12.]

ITEM	Unit	1963	1967	1972	1977	1980 ¹	1982	1983 ¹	1984 ¹	1985 ¹	1986 ¹
ALL ESTABLISHMENTS											
Number of establishments ²	1,000	312	311	321	360	(NA)	366	(NA)	(NA)	(NA)	(NA)
With 20 or more employees	1,000	102	110	114	119	(NA)	123	(NA)	(NA)	(NA)	(NA)
Employee size class:											
Establishments ²	1,000	305	308	313	351	(NA)	348	(NA)	(NA)	(NA)	(NA)
Under 20	1,000	207	198	203	237	(NA)	230	(NA)	(NA)	(NA)	(NA)
20-99	1,000	70	74	76	78	(NA)	84	(NA)	(NA)	(NA)	(NA)
100-249	1,000	18	20	21	22	(NA)	21	(NA)	(NA)	(NA)	(NA)
250-999	1,000	10	11	11	12	(NA)	11	(NA)	(NA)	(NA)	(NA)
1,000 and over	1,000	3	3	3	2	(NA)	2	(NA)	(NA)	(NA)	(NA)
Form of organization:											
Corporate	1,000	176.2	153.9	233.2	284.2	(NA)	283.2	(NA)	(NA)	(NA)	(NA)
Noncorporate, total ⁴	1,000	130.4	153.2	87.5	75.7	(NA)	74.0	(NA)	(NA)	(NA)	(NA)
Individual proprietorship	1,000	98.2	24.9	42.5	52.3	(NA)	45.8	(NA)	(NA)	(NA)	(NA)
Partnership	1,000	27.7	8.7	17.7	18.3	(NA)	15.0	(NA)	(NA)	(NA)	(NA)
Region:											
Northeast	Percent	29.6	29.1	26.3	23.7	24.2	23.7	(NA)	(NA)	(NA)	(NA)
Midwest	Percent	35.4	35.0	34.9	34.4	31.1	29.6	(NA)	(NA)	(NA)	(NA)
South	Percent	21.5	22.7	25.5	27.4	29.5	29.5	(NA)	(NA)	(NA)	(NA)
West	Percent	13.3	13.0	13.4	14.5	16.2	17.0	(NA)	(NA)	(NA)	(NA)
All employees, ⁵ annual average ⁶	Million	17.0	18.3	18.0	18.8	28.6	18.1	18.7	19.1	18.8	18.4
Payroll, all employees	Bil. dol.	100	132	174	264	350	300	305	429	443	451
Payroll per employee	\$1,000	5.9	6.8	9.2	13.5	17.0	19.9	21.1	24.0	23.6	24.5
Production workers, annual average	Million	12.2	14.0	13.5	13.7	13.9	12.4	12.2	12.6	12.2	11.8
Percent of all employees	Percent	71.6	72.2	71.1	69.9	67.3	64.9	65.2	70.4	64.9	64.1
Hours, production workers	Billion	24.5	27.8	26.7	26.7	26.7	23.5	23.6	24.6	23.7	23.2
Hours per worker	1,000	2.0	2.0	2.0	1.9	1.9	1.9	1.9	2.0	1.9	2.0
Wages, production workers	Bil. dol.	62	81	106	157	189	205	212	232	236	237
Percent of payroll for all employees	Percent	62.0	61.6	60.6	59.5	56.6	53.9	53.6	54.1	53.3	53.3
Wages per worker	\$1,000	5.1	5.8	7.8	11.5	14.3	16.5	17.4	18.4	18.8	19.4
Wages per worker hour	Dollar	2.53	2.82	3.05	5.89	7.41	6.70	8.90	9.41	9.96	10.22
Value added by manufacture ⁷	Bil. dol.	192	282	354	585	774	834	882	984	1,000	1,026
Per production worker	\$1,000	15.7	18.9	26.2	42.7	56.7	66.5	72.4	78.2	82.0	84.8
Per production worker hour	Dollar	7.83	9.41	13.26	21.93	26.96	35.01	37.38	39.92	42.20	43.68
Per dollar of workers' wages	Dollar	2.80	3.22	3.36	3.72	3.91	4.02	4.16	4.24	4.24	4.28
Cost of materials	Bil. dol.	236	286	407	782	1,094	1,130	1,170	1,288	1,278	1,217
Value of shipments ⁸	Bil. dol.	421	687	757	1,386	1,853	1,980	2,046	2,254	2,280	2,260
Per production worker	\$1,000	34.4	39.8	55.9	99.2	133.3	159.1	168.6	179.1	186.9	191.5
End-of-year inventories	Bil. dol.	80	94	108	186	262	307	308	330	322	311
Capital expenditures, new ⁹	Bil. dol.	11.4	21.5	24.1	47.5	70.1	75.0	81.9	75.3	83.1	76.4
Ratios:											
Value added to shipments	Ratio	45.6	47.0	46.7	42.9	41.8	42.0	42.8	43.7	43.8	45.8
Inventories to shipments	Ratio	14.2	15.0	14.2	13.8	14.1	15.7	15.0	14.6	14.1	13.8
Payroll to value added	Ratio	52.0	50.3	49.1	45.2	45.3	46.1	44.8	43.6	44.3	43.6
Gross book value of depreciable assets	Bil. dol.	156	218	301	439	574	692	731	772	821	(NA)
Machinery and equipment	Bil. dol.	(NA)	157	218	326	434	527	559	582	632	(NA)
Assets per employee	\$1,000	9.3	11.3	16.4	22.4	27.8	36.2	39.1	40.4	43.7	(NA)
MULTI-UNIT COMPANIES											
Establishments	1,000	45.9	51.7	70.2	81.2	(NA)	81.7	(NA)	(NA)	(NA)	(NA)
Employees	Million	11.0	13.3	14.3	15.0	(NA)	14.3	(NA)	(NA)	(NA)	(NA)
Production workers	Million	9.1	9.8	8.6	10.1	(NA)	8.8	(NA)	(NA)	(NA)	(NA)
Payroll, all employees	Bil. dol.	68.2	93.8	138.8	214.2	(NA)	207.5	(NA)	(NA)	(NA)	(NA)
Wages, production workers	Bil. dol.	44.7	60.9	81.9	124.9	(NA)	159.1	(NA)	(NA)	(NA)	(NA)
Value added by manufacture	Bil. dol.	146.6	206.4	286.1	485.0	(NA)	678.4	(NA)	(NA)	(NA)	(NA)
Capital expenditures, new	Bil. dol.	8.9	18.6	20.0	41.0	(NA)	65.2	(NA)	(NA)	(NA)	(NA)
SINGLE-UNIT COMPANIES¹⁰											
Establishments	1,000	260.8	254.0	250.5	278.7	(NA)	275.3	(NA)	(NA)	(NA)	(NA)
Employees	Million	5.2	5.2	4.8	4.6	(NA)	4.8	(NA)	(NA)	(NA)	(NA)
Payroll, all employees	Bil. dol.	25.1	28.5	35.4	49.8	(NA)	72.1	(NA)	(NA)	(NA)	(NA)
Value added by manufacture	Bil. dol.	45.5	55.5	67.9	100.1	(NA)	145.7	(NA)	(NA)	(NA)	(NA)

NA: Not available. ¹ Estimated data based on Annual Survey of Manufactures; see text, section 27. ² Includes administrative and auxiliary units, except as noted. ³ Excludes administrative offices and auxiliary units. ⁴ Includes forms of organization not shown separately. ⁵ Includes data for employees of manufacturing establishments engaged in distribution and construction work. ⁶ Data are based on pay periods ending nearest 15th of March, May, August, and November. ⁷ Adjusted value added; takes into account (a) value added by merchandising operations (that is, difference between the sales value and cost of merchandise sold without further manufacture, processing, or assembly), plus (b) net change in finished goods and work-in-process inventories between beginning and end of year. ⁸ Includes extensive and unmeasurable duplication from shipments between establishments in the same industry classification. ⁹ Includes plants under construction and not yet in operation. ¹⁰ Beginning 1987, includes data obtained from Federal administrative records.

Source: U.S. Bureau of the Census, Census of Manufactures, 1963, 1967, 1972, 1977, and 1982; and Annual Survey of Manufactures.

[Data based on various editions of the *Standard Industrial Classification Manual*, published by the Office of Management and Budget; see text, section 27. See also *Historical Statistics, Colonial Times to 1970*, series P-58-67]

SIC ¹ code	INDUSTRY GROUP	1977				1982				1986						
		Estab- lish- ments (num- ber)	All employees		Value added by manu- facture ² (mil. dol.)	Estab- lish- ments (num- ber)	All employees		Value added by manu- facture ² (mil. dol.)	Value of ship- ments (mil. dol.)	All employees		Production workers		Value added by manu- facture ² (mil. dol.)	Value of ship- ments (mil. dol.)
			Num- ber ² (1,000)	Pay- roll (mil. dol.)			Num- ber ² (1,000)	Pay- roll (mil. dol.)			Num- ber ² (1,000)	Pay- roll (mil. dol.)	Num- ber ² (1,000)	Wages (mil. dol.)		
(X)	All manufacturing establishments, incl. central administrative of- fices.....	260,529	18,560	264,013	695,196	368,061	19,094	379,627	834,119	1,900,206	18,370	460,790	11,765	236,599	1,036,437	2,290,315
20	Food and kindred products.....	26,086	1,520	18,544	56,062	22,130	1,409	26,086	68,419	290,529	1,409	26,567	996	17,789	112,191	308,523
201	Meat products.....	4,534	309	3,702	7,478	3,623	318	4,993	11,002	67,002	317	5,133	264	3,869	13,532	69,206
202	Dairy products.....	3,731	154	1,939	5,648	2,724	140	2,553	8,360	36,771	137	2,974	83	1,649	10,918	42,163
203	Preserved fruits and vegetables.....	2,379	235	2,336	7,885	2,093	220	3,315	12,353	29,674	221	3,865	182	2,806	16,636	36,885
204	Grain mill products.....	3,043	113	1,576	6,626	2,745	106	2,197	10,333	31,366	97	2,472	66	1,609	13,745	33,723
205	Bakery products.....	3,366	222	2,866	7,073	2,663	217	4,051	10,650	17,806	198	4,391	115	2,354	13,554	21,326
206	Sugar and confectionery products.....	1,198	105	1,206	4,151	1,033	98	1,661	6,234	15,576	89	1,901	70	1,357	7,728	17,580
207	Fats and oils.....	996	41	581	1,905	724	39	774	2,736	16,762	33	736	21	440	2,690	15,602
208	Beverages.....	3,104	195	2,849	9,901	2,584	194	4,244	16,684	36,801	172	4,549	82	2,118	20,962	46,567
209	Misc. foods and kindred products.....	4,412	146	1,509	5,596	3,941	158	2,300	10,017	23,959	145	2,550	107	1,587	12,036	27,399
21	Tobacco products.....	228	61	751	4,334	163	58	1,324	8,965	16,061	46	1,896	34	912	12,726	19,073
211	Cigarettes.....	14	39	566	3,603	14	42	1,094	6,096	12,127	33	1,101	24	758	11,501	15,699
212	Cigars.....	101	8	55	126	60	5	59	133	254	4	55	3	38	147	252
213	Chewing and smoking tobacco.....	35	3	32	169	29	3	52	421	665	3	78	2	47	730	1,062
214	Tobacco stemming and redrying.....	78	11	98	217	60	8	120	313	3,015	6	125	5	69	346	2,059
22	Textile mill products.....	7,202	876	7,961	16,196	6,639	717	8,949	18,559	47,515	644	10,306	555	7,998	22,232	55,349
221	Weaving mills, cotton.....	314	117	1,047	1,945	269	77	965	1,638	3,972	58	933	53	796	2,116	4,155
222	Weaving mills, manmade fiber.....	449	151	1,429	2,791	523	141	1,615	3,466	8,191	110	1,882	66	1,497	3,777	8,666
223	Weaving, finishing mills, wool.....	165	15	137	313	131	13	178	349	763	12	195	11	149	372	815
224	Narrow fabric mills.....	335	21	172	351	281	18	216	465	852	17	260	15	182	595	1,040
225	Knitting mills.....	2,617	236	1,911	3,663	2,334	205	2,327	4,965	10,966	190	2,691	164	2,028	5,494	12,203
226	Textile finishing, except wool.....	676	72	734	1,417	753	58	834	1,590	4,972	53	936	43	678	1,867	5,914
227	Floor covering mills.....	582	56	557	1,530	505	42	603	1,712	5,806	50	907	39	618	2,486	8,672
228	Yarn and thread mills.....	796	141	1,164	2,255	714	109	1,278	2,318	7,036	102	1,521	92	1,271	3,014	8,404
229	Misc. textile goods.....	1,254	66	706	1,641	1,120	58	833	2,005	4,936	53	982	42	677	2,493	5,481
23	Apparel, other textile products.....	26,806	1,324	8,559	19,671	24,391	1,199	12,129	26,061	53,266	1,017	12,471	963	6,949	26,451	57,919
231	Men's and boys' suits and coats.....	737	96	822	1,574	529	75	876	1,663	3,062	60	806	53	627	1,872	3,242
232	Men's and boys' furnishings.....	3,013	365	2,340	4,936	2,544	296	2,637	6,821	12,727	263	2,946	230	2,260	7,392	13,697
233	Women's and misses' outerwear.....	11,634	448	3,153	6,430	10,636	419	4,110	8,576	18,225	330	3,799	277	2,545	8,708	18,115
234	Women's, children's undergarments.....	878	92	613	1,260	755	82	783	1,722	3,323	74	856	63	815	1,812	3,533

See footnotes at end of table.

No. 1266. MANUFACTURES—SUMMARY BY INDUSTRY GROUP: 1977 TO 1988—Continued

[See footnote, p. 720]

SIC code	Industry group	1977				1982				1988			
		All employees		Value added by manu- facture (mil. dol.)	Equip- ment (num- ber)	All employees		Value added by manu- facture (mil. dol.)	Value of ship- ments (mil. dol.)	All employees		Value added by manu- facture (mil. dol.)	Value of ship- ments (mil. dol.)
		Num- ber (1,000)	Pay- roll (mil. dol.)			Num- ber (1,000)	Pay- roll (mil. dol.)			Num- ber (1,000)	Pay- roll (mil. dol.)		
Apparel, other textile products—													
206	Hats, caps, and millinery	408	108	188	419	18	187	888	298	14	189	318	604
208	Children's outerwear	1,008	489	879	888	71	871	1,448	2,718	98	818	1,481	2,718
207	Fur goods	880	113	804	804	8	80	138	44	2	44	108	880
209	Misc apparel and accessories	1,864	408	848	1,823	30	813	1,088	2,118	40	489	888	2,020
209	Misc fabricated textile products	8,798	1,707	3,488	8,811	174	2,120	4,488	10,301	178	2,778	8,784	13,848
24	Lumber and wood products	37,308	7,486	16,338	38,884	979	8,448	18,377	42,888	888	10,888	38,388	88,188
241	Logging camps, log contractors	18,488	1,028	2,418	11,888	81	1,808	8,828	8,274	78	1,888	8,888	8,888
242	Sawmills and planing mills	9,000	2,288	4,878	7,403	188	2,308	3,748	11,132	170	2,888	8,834	18,834
243	Mitawh (plywood and structural members)	8,148	2,218	4,701	8,848	188	2,888	4,488	11,883	200	2,788	7,718	18,408
244	Wood containers	1,848	200	840	2,280	38	881	703	1,826	31	480	880	1,888
245	Wood buildings and mobile homes	1,188	888	1,788	1,180	80	888	1,741	4,884	88	1,087	2,177	8,840
248	Misc wood products	3,870	813	1,800	2,888	77	1,084	2,233	8,288	80	1,311	3,088	8,888
28	Furniture and fixtures	10,238	4,448	8,828	10,008	488	8,084	12,888	34,188	487	8,888	17,488	22,881
281	Household furniture	8,181	2,888	8,213	8,478	383	3,182	6,438	12,778	287	4,038	8,878	18,881
282	Office furniture	283	843	1,838	700	48	1,081	2,477	4,180	88	1,488	2,788	8,888
283	Public building, related furniture	430	314	418	413	18	288	878	1,103	23	400	888	1,888
284	Partitions and fixtures	2,134	878	1,311	2,148	80	1,081	2,080	3,710	88	1,382	2,734	4,888
288	Misc furniture and fixtures	887	347	747	1,887	38	881	1,338	2,388	48	748	1,743	3,884
28	Paper and allied products	8,848	8,848	28,171	8,848	888	12,848	38,378	78,888	888	16,113	48,888	87,888
281	Pulp mills	48	883	808	43	17	488	1,114	2,110	18	884	1,881	3,887
282	Paper mills, except building paper	338	2,187	8,407	288	128	3,431	8,884	20,888	128	4,408	18,038	28,708
288	Paperboard mills	348	1,178	3,081	282	88	1,808	2,740	8,831	81	1,714	4,847	11,180
284	Misc converted paper products	2,884	7,808	7,883	3,008	813	3,881	12,014	28,701	218	4,883	18,178	28,883
285	Paperboard containers and boxes	2,884	2,808	8,781	8,781	188	3,817	7,888	18,180	180	4,348	8,048	23,148
288	Building paper and board mills	88	87	218	30	4	71	188	388	8	81	138	311
27	Printing and publishing	48,787	14,888	31,888	58,408	1,288	28,787	84,423	84,787	1,278	28,888	78,188	118,871
271	Newspapers	8,887	4,308	8,818	8,848	408	8,888	18,278	21,378	420	8,381	28,188	28,208
272	Periodicals	2,884	1,020	3,783	3,388	94	1,888	8,811	11,478	88	2,711	10,188	18,718
273	Books	2,884	1,278	4,281	2,811	118	2,080	6,781	10,132	118	2,711	8,888	18,834
274	Misc publishing	8,382	503	1,281	2,087	48	708	1,888	8,371	83	1,188	3,838	4,887
278	Commercial printing	28,818	4,703	8,881	28,738	448	8,087	18,738	37,700	488	10,878	21,488	38,048
278	Commercial business forms	188	878	1,403	810	80	834	8,481	5,088	84	1,278	3,878	8,888
277	Greeting card publishing	188	287	888	184	21	1,884	1,348	1,884	20	407	2,028	2,881
278	Blankbooks and bookbinding	1,487	878	1,148	1,487	81	803	1,884	2,803	82	1,187	2,888	3,888
278	Printing trade services	1,982	728	1,288	4,178	88	1,103	2,017	2,884	88	1,443	2,717	5,888

See footnotes at end of table

No. 1265. MANUFACTURES—SUMMARY BY INDUSTRY GROUP: 1977 TO 1986—Continued
 (See heading, p. 720)

SIC code	INDUSTRY GROUP	1977				1982				1986			
		All employees		Estab-lish-ments (num-ber)	Value added by manu-fac-ture (mil. dol.)	All employees		Value added by manu-fac-ture (mil. dol.)	Value of ship-ments (mil. dol.)	All employees		Value added by manu-fac-ture (mil. dol.)	Value of ship-ments (mil. dol.)
		Num-ber (1,000)	Pay-roll (mil. dol.)			Num-ber (1,000)	Pay-roll (mil. dol.)			Num-ber (1,000)	Pay-roll (mil. dol.)			Num-ber (1,000)	Wages (mil. dol.)
28	Chemicals and allied products	12,173	66,721	11,961	77,315	170,737	802	23,711	488	11,798	100,018	187,861	
281	Industrial inorganic chemicals	1,262	1,547	1,265	1,829	17,280	50	3,143	54	1,564	10,973	18,481	
282	Plastics materials, synthetic	551	2,471	606	8,402	26,428	124	3,942	85	2,411	14,182	35,282	
283	Drugs	1,843	9,940	1,281	16,981	24,695	188	4,952	78	1,807	24,368	34,416	
284	Soap, cleaners, toilet goods	2,538	9,407	2,379	15,382	20,031	122	3,126	71	1,522	18,827	31,386	
285	Paints and allied products	1,579	8,655	1,441	9,563	9,102	59	1,416	29	811	5,407	11,725	
286	Industrial organic chemicals	679	2,878	689	12,341	36,157	112	3,888	88	2,138	14,716	27,889	
287	Agricultural chemicals	1,325	7,844	1,127	5,037	14,653	41	1,182	25	829	4,708	12,670	
289	Misc. chemical products	2,780	3,539	2,738	5,433	12,330	82	2,072	80	1,084	7,036	14,913	
29	Petroleum and coal products	2,286	16,278	2,222	32,689	208,318	126	4,219	88	2,888	17,486	134,278	
291	Petroleum refining	346	14,434	433	19,247	109,257	84	3,131	55	1,807	13,782	119,286	
292	Paving and roofing materials	1,297	1,272	1,207	1,743	5,948	28	745	20	478	2,485	7,489	
299	Misc. petroleum and coal products	540	682	582	1,078	3,614	13	339	7	135	1,239	4,093	
30	Rubber and miscellaneous plastics products	11,943	19,749	13,446	37,318	65,416	741	18,273	872	16,134	37,236	71,286	
301	Tires and inner tubes	200	4,347	184	4,680	9,340	85	2,020	62	1,031	5,030	9,810	
302	Rubber, plastics footwear	84	272	86	380	708	9	137	6	99	287	573	
303	Reclaimed rubber	21	25	25	25	45	1	14	1	10	28	51	
304	Rubber and plastics hoses, belting	146	874	162	1,028	1,846	23	810	17	326	1,201	2,388	
306	Fabricated rubber products, n.e.c.	1,280	2,352	1,380	3,213	6,388	95	2,057	71	1,288	4,212	8,288	
307	Misc. plastics products	10,212	11,770	11,853	17,905	37,013	547	10,536	434	8,864	28,261	52,243	
31	Leather and leather products	3,075	3,719	2,726	4,779	9,719	138	1,883	110	1,218	5,811	7,898	
311	Leather tanning and finishing	485	535	384	580	1,753	13	240	11	182	475	1,039	
313	Boot, shoe cut stock, findings	190	85	181	185	366	4	86	4	41	87	247	
314	Footwear except rubber	811	2,070	781	2,928	5,269	76	927	66	701	2,081	4,008	
315	Leather gloves and mittens	101	68	96	73	178	4	34	3	28	53	203	
316	Luggage	288	328	282	433	788	11	184	8	81	238	685	
317	Handbags and other personal leather goods	678	472	636	684	1,036	16	169	13	125	409	792	
319	Leather goods, n.e.c.	532	137	415	180	327	6	70	5	46	167	308	

See footnotes at end of table

No. 1265. MANUFACTURES—SUMMARY BY INDUSTRY GROUP: 1977 TO 1986—Continued

[See footnote, p. 720]

SIC ¹ code	INDUSTRY GROUP	1977				1982				1986					
		All employees		Value added by manu- facture ² (mil. dol.)	Estab- lish- ments (num- ber)	All employees		Value added by manu- facture ² (mil. dol.)	Value of ship- ments (mil. dol.)	All employees		Production workers		Value added by manu- facture ² (mil. dol.)	Value of ship- ments (mil. dol.)
		Num- ber ³ (1,000)	Pay- roll (mil. dol.)			Num- ber ³ (1,000)	Pay- roll (mil. dol.)			Num- ber ³ (1,000)	Pay- roll (mil. dol.)	Num- ber ³ (1,000)	Wages (mil. dol.)		
32	Stone, clay, and glass products	17,744	7,943	19,130	16,845	532	10,097	22,996	46,191	514	11,745	399	6,362	30,877	67,274
321	Flat glass	52	401	931	89	15	414	647	1,066	16	494	12	363	1,410	2,309
322	Glass, pressed or blown	608	1,548	3,582	489	97	2,032	4,482	7,941	78	1,927	67	1,582	4,086	7,869
323	Products of purchased glass	1,101	429	980	1,337	41	686	1,484	2,977	44	687	34	613	2,270	4,362
324	Cement, hydraulic	201	485	1,672	237	26	636	1,816	3,542	20	623	15	446	2,163	4,220
325	Structural clay products	711	466	1,058	628	30	481	969	1,968	39	730	30	519	1,782	3,081
326	Pottery and related products	934	480	884	810	37	586	1,174	1,762	32	621	25	462	1,264	1,899
327	Concrete, gypsum, plaster products	10,844	2,367	5,391	9,933	167	2,965	6,803	14,947	174	3,620	132	2,636	9,922	20,825
328	Cut stone and stone products	993	132	226	711	11	156	295	555	11	199	8	148	376	683
329	Misc. nonmetallic mineral products	2,360	1,636	4,366	2,261	109	2,079	6,296	9,624	103	2,446	78	1,583	6,632	12,027
33	Primary metal industries	7,376	16,745	37,898	7,261	864	20,663	34,291	104,967	680	18,882	639	13,472	36,082	106,947
331	Blot furnaces and basic steel products	1,216	10,086	18,318	1,008	398	10,262	14,722	48,720	246	7,725	190	5,702	15,862	44,767
332	Iron and steel foundries	1,465	3,328	6,217	1,436	157	3,113	5,352	9,642	125	3,213	98	2,372	5,850	10,100
333	Primary nonferrous metals	180	1,032	3,619	161	44	1,307	2,311	11,321	32	1,011	24	702	1,745	6,876
334	Secondary nonferrous metals	490	270	769	458	19	402	820	4,862	15	351	11	210	633	4,143
335	Nonferrous rolling and drawing	1,002	2,640	5,902	1,022	167	3,636	8,822	25,463	165	4,021	116	2,732	9,065	26,771
336	Nonferrous foundries	1,662	1,044	1,980	1,907	75	1,365	2,458	4,803	80	1,781	65	1,266	3,182	6,060
338	Misc. primary metal products	1,180	345	763	1,007	26	486	998	2,086	33	778	24	456	1,715	2,920
34	Fabricated metal products	23,712	21,696	45,512	36,690	1,480	28,263	64,928	118,444	1,430	24,116	1,080	21,917	68,931	137,979
341	Metal cans, shipping containers	597	1,247	3,644	596	56	1,533	4,443	12,172	49	1,540	41	1,212	4,113	11,267
342	Cutlery, handtools, hardware	2,137	2,179	5,177	2,238	141	2,585	6,041	10,582	144	3,268	108	2,186	7,551	12,782
343	Pumbing and heating, exc. electric	1,015	837	1,574	1,177	48	821	2,023	4,903	46	886	33	626	2,951	5,007
344	Fabricated structural metal products	11,817	5,482	11,785	12,681	422	7,897	15,488	34,904	378	8,179	286	5,029	16,052	36,434
345	Screw machine products, bolts, etc.	2,827	1,414	2,864	2,690	94	1,727	3,309	5,634	93	2,105	71	1,459	4,418	7,942
346	Metal forgings, stampings	3,718	4,511	8,913	4,019	236	5,110	9,710	20,057	255	7,083	202	5,254	12,875	27,065
347	Metal services, n.e.c.	5,096	1,006	1,953	5,070	97	1,518	2,897	5,126	109	2,003	84	1,330	3,987	6,982
348	Ordnance and accessories, n.e.c.	346	882	1,737	348	79	1,780	3,442	4,983	82	2,220	52	1,167	4,777	6,780
349	Misc. fabricated metal products	8,373	3,556	7,855	6,770	284	5,312	11,588	22,274	265	5,722	191	3,546	12,396	23,338
35	Machinery, exc. electrical	48,300	30,548	67,223	63,912	2,189	46,811	102,379	187,966	1,863	49,846	1,141	25,422	198,366	306,829
351	Engines and turbines	315	2,238	4,960	341	112	2,850	6,089	12,040	90	2,825	56	1,720	6,956	14,116
352	Farm and garden machinery	2,159	2,197	5,490	2,076	114	2,395	6,146	13,106	79	1,814	55	1,066	4,853	10,392
353	Construction and related machinery	3,229	5,097	11,536	3,952	326	7,332	18,463	32,038	209	5,535	126	2,946	11,940	25,835
354	Metallworking machinery	10,630	4,514	6,747	10,981	263	6,068	11,265	16,150	253	6,624	180	4,251	12,825	20,476
355	Special industry machinery	4,090	2,616	5,271	4,226	183	3,748	7,415	13,128	156	4,141	90	2,028	8,165	14,926
356	General industrial machinery	4,947	4,451	9,673	4,981	314	6,493	13,587	24,459	256	6,534	163	3,611	13,926	24,761
357	Office and computing machines	1,317	3,949	9,921	2,169	404	9,437	23,386	43,026	363	11,414	137	2,667	27,918	58,830
358	Refrigeration, service machinery	2,114	2,516	5,983	1,937	172	3,344	8,121	16,450	180	4,361	124	2,652	9,923	21,118
359	Misc. machinery except electrical	19,396	2,980	6,382	22,247	282	5,235	9,806	14,497	273	6,277	207	4,249	11,857	17,965

See footnotes at end of table

NO 1265. MANUFACTURES—SUMMARY BY INDUSTRY GROUP: 1977 TO 1986—Continued

[See footnote, p. 720]

SIC code	INDUSTRY GROUP	1977				1982				1986			
		All employees		Estab- lish- ments (num- ber)	Value added by manu- facture (mil. dol.)	Estab- lish- ments (num- ber)	All employees		Value added by manu- facture ¹ (mil. dol.)	Value of ship- ments (mil. dol.)	Production workers		Value of ship- ments (mil. dol.)
		Num- ber ² (1,000)	Pay- roll (mil. dol.)				Num- ber ² (1,000)	Pay- roll (mil. dol.)			Num- ber ² (1,000)	Wages (mil. dol.)	
28	Chemicals and allied products												
281	Industrial inorganic chemicals	12,173	58,721	11,961	179,737	11,961	862	23,711	77,318	179,737	468	11,796	197,891
282	Industrial organic chemicals	1,252	1,847	1,205	17,390	1,205	90	3,143	6,329	10,873	54	1,594	18,481
283	Plastics materials, synthetic	551	2,471	505	9,402	505	124	3,942	9,402	14,152	85	2,411	35,932
284	Drugs	1,343	2,460	1,281	24,065	1,281	165	4,902	16,961	24,363	79	1,807	34,418
285	Soap, cleaners, toilet goods	2,526	1,325	2,376	15,262	2,376	122	3,128	15,262	18,027	71	1,522	31,360
286	Farms and allied products	1,576	863	1,441	3,953	1,441	95	1,416	3,953	5,407	29	611	11,725
287	Industrial organic chemicals	879	2,794	869	12,341	869	112	3,896	12,341	14,716	69	2,133	37,265
288	Agricultural chemicals	1,325	754	1,127	5,097	1,127	41	1,162	5,097	4,708	25	623	12,670
289	Misc. chemical products	2,768	1,075	2,753	6,493	2,753	62	2,072	6,493	7,036	50	1,364	14,913
29	Petroleum and coal products												
291	Petroleum refining	2,399	16,379	2,322	238,919	2,322	135	4,216	23,899	17,496	62	2,896	124,679
292	Paving and roofing materials	346	2,065	433	189,357	433	94	3,131	16,547	13,762	55	1,657	113,396
293	Misc. petroleum and coal products	1,287	481	1,207	5,846	1,207	38	745	1,743	2,465	20	478	7,469
30	Rubber and miscellaneous plastics products												
301	Tires and inner tubes	11,943	16,749	13,448	85,416	13,448	741	15,273	27,319	85,416	572	16,134	73,295
302	Rubber plastics footwear	503	4,347	464	9,340	464	85	2,050	4,980	5,350	52	1,551	9,910
303	Reclaimed rubber	84	272	65	706	65	8	137	360	267	8	86	673
304	Rubber and plastics hose, belting	21	12	25	45	25	1	14	23	28	1	10	51
305	Fabricated rubber products, n.e.c.	146	874	162	1,946	162	28	510	1,026	1,201	17	336	2,362
307	Misc. plastics products	1,280	2,362	1,380	8,395	1,380	95	2,057	3,213	4,212	71	1,396	8,395
31	Leather and leather products	10,212	11,770	11,053	37,013	11,053	547	10,656	17,005	26,391	424	6,864	52,343
311	Leather tanning and finishing	343	1,889	2,736	4,773	2,736	130	1,960	4,773	3,911	119	1,213	7,269
312	Boot, shoe cut stock, findings	465	535	384	1,753	384	13	248	590	475	11	182	1,969
313	Footwear except rubber	180	109	161	308	161	7	56	165	97	4	41	247
314	Leather gloves and mittens	811	2,070	751	5,269	751	76	827	2,808	2,061	69	701	4,038
315	Luggage	101	86	96	176	96	4	34	73	63	3	26	203
316	Handbags and other personal leather goods	290	339	292	769	292	11	169	433	336	8	91	663
317	Leather goods, n.e.c.	676	472	696	1,035	696	10	169	864	409	13	125	762
318	Leather goods, n.e.c.	532	157	416	327	416	8	70	160	167	5	46	305

See footnote at end of table.

NO. 1266. MANUFACTURES—SUMMARY BY INDUSTRY GROUP: 1977 TO 1986—Continued

(See footnote, p. 720)

SIC ¹ code	INDUSTRY GROUP	1977				1982				1986					
		All employees		Value added by manu- facture's (mil. dol.)	Estab- lish- ments (num- ber)	All employees		Value added by manu- facture's (mil. dol.)	Value of ship- ments (mil. dol.)	All employees		Production workers		Value added by manu- facture's (mil. dol.)	Value of ship- ments (mil. dol.)
		Num- ber's (1,000)	Pay- roll (mil. dol.)			Num- ber's (1,000)	Pay- roll (mil. dol.)			Num- ber's (1,000)	Pay- roll (mil. dol.)	Num- ber's (1,000)	Wages (mil. dol.)		
32	Stone, clay, and glass products	17,764	7,943	19,120	16,546	592	10,097	22,998	45,181	614	11,746	399	9,362	20,677	57,274
321	Flat glass	62	401	991	69	16	414	647	1,006	16	494	12	363	1,410	2,299
322	Glass, pressed or blown	506	1,546	3,962	459	97	2,022	4,482	7,941	78	1,927	67	1,562	4,989	7,898
323	Products of purchased glass	1,101	420	800	1,237	41	696	1,494	2,977	44	897	34	613	2,270	4,262
324	Cement hydraulic	201	485	1,972	237	26	636	1,816	3,542	20	623	16	446	2,153	4,280
325	Structural clay products	711	496	1,056	626	30	491	969	1,866	38	730	30	619	1,762	3,021
326	Pottery and related products	604	460	894	910	37	868	1,174	1,762	32	621	25	452	1,264	1,699
327	Concrete, gypsum plaster products	10,844	2,367	5,391	9,033	167	2,906	6,603	14,947	174	3,620	132	2,636	9,922	20,895
328	Out stone and stone products	693	132	259	711	11	166	296	666	11	199	9	148	376	693
329	Misc nonmetallic mineral products	2,390	1,636	4,366	2,261	106	2,079	5,296	9,934	100	2,446	76	1,563	8,632	12,027
33	Primary metal industries	7,376	16,746	37,698	7,061	864	30,903	33,591	164,987	999	19,962	939	13,473	26,062	106,947
331	Blas furnace and basic steel products	1,216	10,096	18,318	1,066	398	10,262	14,722	46,720	249	7,726	190	5,702	16,962	44,787
332	Iron and steel foundries	1,466	3,329	6,237	1,436	167	3,113	5,362	9,642	126	3,213	96	2,372	5,660	10,100
333	Primary nonferrous metals	160	1,032	3,618	161	44	1,307	2,311	11,321	32	1,011	24	702	1,745	8,578
334	Secondary nonferrous metals	400	270	769	456	16	402	620	4,662	16	361	11	210	633	4,143
335	Nonferrous rolling and drawing	1,032	2,840	5,902	1,022	167	3,636	6,822	25,463	156	4,021	116	2,732	8,096	28,771
336	Nonferrous foundries	1,962	1,044	1,960	1,907	76	1,396	2,458	4,803	60	1,791	66	1,296	3,162	6,060
339	Misc primary metal products	1,180	345	763	1,007	26	498	996	2,096	33	778	34	468	1,716	2,980
34	Fabricated metal products	33,713	21,696	45,312	35,990	1,490	39,393	58,998	119,444	1,439	33,196	1,999	21,817	68,921	137,576
341	Metal cans, shipping containers	687	1,247	3,644	596	59	1,533	4,443	12,172	48	1,340	41	1,212	4,113	11,967
342	Cutlery, handtools, hardware	2,137	2,179	5,177	2,238	141	2,865	6,041	10,082	144	3,266	108	2,198	7,551	12,762
343	Plumbing and heating, exc. electric	1,016	637	1,974	1,177	48	621	2,023	4,003	46	966	33	626	2,651	5,007
344	Fabricated structural metal products	11,817	5,492	11,786	12,981	422	7,867	15,496	34,904	378	8,179	298	5,023	18,032	38,434
345	Screw machine products, bolts, etc	2,827	1,414	2,804	2,890	94	1,727	3,306	6,834	93	2,106	71	1,459	4,416	7,642
346	Metal forgings, stampings	3,715	4,611	8,913	4,019	236	5,110	9,710	20,067	256	7,093	202	5,264	12,876	27,095
347	Metal services, n.e.c.	5,096	1,009	1,963	5,070	97	1,518	2,697	5,125	109	2,003	64	1,390	3,987	6,962
348	Ordnance and accessories, n.e.c.	348	962	1,737	349	79	1,780	3,442	4,993	82	2,220	82	1,167	4,777	6,780
349	Misc fabricated metal products	6,373	3,656	7,956	6,770	264	5,312	11,596	22,274	266	5,722	191	3,548	12,396	23,336
35	Machinery, exc. electrical	48,308	39,649	97,223	62,912	2,196	48,911	102,270	187,896	1,963	49,648	1,141	36,432	101,946	206,629
351	Engines and turbines	316	2,236	4,960	341	112	2,860	6,099	13,040	90	2,926	56	1,720	8,958	14,116
352	Farm and garden machinery	2,159	2,197	5,490	2,078	114	2,386	6,146	13,106	79	1,614	56	1,096	4,863	10,382
353	Construction and related machinery	3,229	5,087	11,836	3,962	326	7,332	16,453	32,036	209	5,536	126	2,848	11,940	26,936
354	Metallworking machinery	10,630	4,514	8,747	10,991	263	6,096	11,296	18,150	253	6,624	180	4,251	12,826	20,476
355	Special industry machinery	4,090	2,616	5,271	4,226	183	3,748	7,416	13,128	156	4,141	90	2,029	6,166	14,926
356	General industrial machinery	4,947	4,451	9,673	4,961	314	6,493	13,587	24,459	256	6,534	163	3,611	13,926	24,751
357	Office and computing machinery	1,317	3,949	9,921	2,169	404	9,437	23,386	43,028	363	11,414	137	2,887	27,916	58,530
358	Refrigeration, service machinery	2,114	2,516	5,963	1,937	172	3,344	8,121	16,490	180	4,381	124	2,662	9,923	21,116
359	Misc machinery, except electrical	19,399	2,960	5,362	22,347	262	5,236	9,606	14,487	273	6,277	207	4,249	11,867	17,965

See footnotes at end of table.

No. 1265. MANUFACTURES—SUMMARY BY INDUSTRY GROUP: 1977 TO 1986—Continued

[See footnote, p. 720]

SIC ¹ code	INDUSTRY GROUP	1977				1982				1986					
		All employees		Value added by manu- facture ² (mil. dol.)	Estab- lish- ments (num- ber)	All employees		Value added by manu- facture ² (mil. dol.)	Value of ship- ments (mil. dol.)	All employees		Production workers		Value added by manu- facture ² (mil. dol.)	Value of ship- ments (mil. dol.)
		Num- ber ³ (1,000)	Pay- roll ⁴ (mil. dol.)			Num- ber ³ (1,000)	Pay- roll ⁴ (mil. dol.)			Num- ber ³ (1,000)	Pay- roll ⁴ (mil. dol.)	Num- ber ³ (1,000)	Wages (mil. dol.)		
36	Electric and electronic equipment	14,573	22,544	80,268	16,453	1,915	38,414	64,886	147,844	1,841	48,214	1,180	23,381	113,422	198,946
361	Electric distributing equipment	947	1,431	3,336	842	105	1,865	4,584	8,108	90	2,019	64	1,221	4,865	8,803
362	Electrical industrial apparatus	1,846	2,542	5,814	1,080	191	3,705	7,919	15,825	171	4,022	114	2,225	8,838	15,309
363	Household appliances	686	1,898	5,276	630	128	2,223	5,776	12,644	123	2,674	95	1,810	7,555	16,849
364	Electric lighting and wiring equipment	1,055	1,825	4,741	1,893	159	2,718	6,819	12,046	161	3,474	119	2,191	9,476	18,590
365	Radio and TV receiving equipment	1,200	1,097	3,078	1,032	86	1,164	3,200	7,853	58	1,366	43	949	4,329	11,959
366	Communication equipment	1,200	1,097	3,078	1,032	86	1,164	3,200	7,853	58	1,366	43	949	4,329	11,959
367	Electronic components, accessories	2,365	6,885	14,130	2,781	601	13,979	28,290	48,426	986	19,689	305	7,303	42,077	67,435
368	Electronic components, accessories	4,455	4,357	9,280	5,455	518	9,770	21,214	34,517	517	12,305	313	5,540	25,851	41,885
369	Misc. electrical equipment, supplies	1,575	2,088	4,950	1,700	147	2,889	6,894	12,544	155	3,651	107	2,122	9,423	17,067
37	Transportation equipment	18,178	30,673	64,391	9,443	1,898	40,912	84,929	201,346	1,778	66,788	1,180	33,638	125,706	313,836
371	Motor vehicles and equipment	4,234	16,036	37,023	3,867	818	15,393	34,254	112,270	728	23,234	595	17,959	59,213	191,551
372	Aircraft and parts	1,173	7,821	14,732	1,471	539	14,718	29,402	52,027	571	19,344	315	9,034	37,756	74,308
373	Ship and boat building and repairing	2,785	2,840	4,881	2,586	205	4,326	7,509	13,328	189	4,074	128	2,791	7,250	12,869
374	Railroad equipment	201	688	1,883	200	35	790	1,492	3,457	34	887	16	421	1,188	2,513
375	Motorcycles, bicycles, parts	360	169	370	273	13	225	1,341	3,457	8	159	8	123	430	8,032
376	Guided missiles, space vehicles	108	2,427	4,422	105	146	4,481	9,857	14,386	228	8,154	85	2,582	17,781	26,895
378	Misc. transportation equipment	1,314	591	1,181	951	43	578	1,877	4,528	45	1,045	32	655	2,067	4,741
38	Instruments and related products	7,481	7,388	18,782	8,945	624	12,889	33,873	81,798	586	14,818	336	8,794	40,885	81,816
381	Engineering, scientific instruments	42	584	1,287	771	43	669	2,101	3,046	46	1,117	30	622	2,469	3,681
382	Measuring and control devices	2,079	2,688	5,342	2,483	226	4,846	10,007	14,633	297	5,385	113	2,320	10,843	16,943
383	Optical instruments and lenses	545	421	697	636	50	1,026	2,368	3,767	50	1,363	28	595	3,076	4,832
384	Medical instruments and supplies	2,355	1,319	3,282	2,711	141	2,462	5,878	10,863	155	3,445	87	1,858	9,753	14,855
385	Optometric goods	634	314	656	410	28	409	874	1,273	22	416	14	208	634	1,411
386	Photographic equip. and supplies	780	1,300	6,732	785	119	3,193	10,860	17,036	85	2,870	46	1,235	18,326	16,890
387	Watches, clocks, and watchcases	302	317	685	257	17	246	494	1,186	12	223	9	125	510	1,148
39	Misc. manufacturing	17,289	4,406	10,291	16,871	389	5,847	14,089	28,491	326	5,882	236	3,833	14,822	27,319
391	Jewelry silverware and plated ware	3,116	638	1,449	2,882	50	770	1,784	4,379	46	812	32	471	1,980	4,622
392	Metals and metal products	26	253	488	452	16	258	465	916	12	212	9	140	444	742
393	Textiles and textile mill products	2,910	1,112	3,000	2,570	89	1,388	4,810	8,856	76	1,282	56	778	4,029	7,885
394	Toys and sporting goods	987	331	668	1,026	32	465	1,369	2,372	26	464	19	288	1,325	2,108
395	Perf., office and art goods	514	481	1,002	1,356	42	528	1,188	2,110	37	583	27	353	1,435	2,477
396	Costume jewelry and notions	1,514	1,623	3,485	7,585	142	2,217	4,781	8,890	129	2,530	94	1,480	6,586	9,464
397	Misc. manufactures	8,171	21,981	(n)	8,878	1,378	38,228	(n)	(n)	1,383	48,288	(n)	(n)	(n)	(n)

X Not applicable. ¹ Standard Industrial Classification Code; see text, section 27. ² "All employees" represents the average of "production workers" plus all other employees for the payroll period ended nearest the 15th of March. ³ See footnote 3, table 1264. ⁴ Manufacturing concerns often reported separately for central offices or subsidiaries which serve the manufacturing establishment of a company, rather than the general public. Separate reports were obtained from such units if at a different location or if they serviced more than one establishment.

Source: U.S. Bureau of the Census, Census of Manufactures, 1977 and 1982 General Summary, MC77(1)-1 and MC82(1)-1, and Annual Survey of Manufactures.

NO. 1266. CONCENTRATION RATIOS IN MANUFACTURING—SELECTED INDUSTRIES: 1982

[First 31 industries (excluding those classified as "Miscellaneous" or "Not elsewhere classified") as determined by value of shipments in 1982 of \$5.5 billion or more. See source for details]

SIC ¹ code	INDUSTRY	Number of companies	Value added by manu- facture ² (mil. dol.)	Total value of ship- ments ³ (mil. dol.)	PERCENT OF SHIPMENTS, RANKED BY COMPANY SIZE			
					4 largest	5 largest	20 largest	50 largest
2911	Petroleum refining	282	19,247	199,357	26	48	76	93
3711	Motor vehicles and car bodies	284	15,456	70,740	82	97	98	99+
2611	Metastamping plants	1,856	5,825	44,854	20	43	61	75
3312	Blast furnaces and steel mills	211	11,763	36,824	42	64	82	95
3573	Electronic computing equipment	1,520	19,588	36,767	49	56	71	82
3714	Motor vehicle parts and accessories	2,000	16,765	36,293	61	69	77	84
3682	Radio and TV communications equipment	2,083	21,178	33,032	22	35	57	73
3721	Aircraft	139	15,642	28,024	84	81	98	99+
2711	Newspapers	7,520	16,275	21,276	22	34	49	66
2621	Papermills, exc. building paper	135	8,954	20,995	22	40	71	93
2752	Commercial printing, lithographic	17,332	11,045	19,441	8	10	17	24
2834	Pharmaceutical preparations	584	13,484	18,998	26	42	69	90
2026	Fluid milk	653	4,089	16,736	16	27	48	68
3801	Photographic equipment and supplies	723	10,890	17,038	74	86	91	94
2086	Bottled and canned soft drinks	1,236	6,856	16,808	14	23	39	56
2821	Plastics materials and resins	283	4,748	15,788	22	36	64	88
3681	Telephone, telegraph apparatus	256	7,121	13,394	78	83	92	97
2051	Bread, cake and related products	1,889	7,861	13,143	34	47	80	73
3586	Refrigeration and heating equipment	730	6,049	12,380	34	46	65	80
2111	Cigarettes	8	6,098	12,127	(x)	(x)	(x)	(x)
3521	Construction machinery	817	5,478	11,858	42	52	69	81
2721	Periodicals	3,143	6,911	11,478	20	31	49	64
3523	Farm machinery and equipment	1,787	5,201	10,743	53	62	89	77
2844	Toilet preparations	596	7,131	10,183	34	49	71	86
2421	Sawmills and planing mills, general	5,810	3,236	10,066	17	23	34	46
3011	Tires and inner tubes	108	4,860	9,340	86	88	98	99+
2841	Soap and other detergents	642	4,777	9,167	60	73	83	90
3466	Automotive stampings	588	4,114	8,777	61	66	74	82
2824	Organic fibers, noncellulosic	44	3,318	8,263	77	91	98	100
3321	Gray iron foundries ⁴	801	3,310	6,202	29	37	53	69
2751	Commercial printing, letterpress	10,211	3,161	5,504	7	10	16	24

D Withheld to avoid disclosure. X Not applicable. ¹ Standard Industrial Classification; see text, sections 13 and 27

² See footnote 7, table 1264. ³ See footnote 8, table 1264. ⁴ Includes foundries producing gray-iron castings for other plants of the same company. Accordingly, percentages do not reflect market shares in industry as such.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1982, Concentration Ratios in Manufacturing*, MC82-SA-7

NO. 1267. PRODUCTION WORKERS, IN MANUFACTURING INDUSTRIES—AVERAGE HOURLY EARNINGS, BY STATE: 1980 TO 1987

[In dollars]

DIVISION AND STATE	1980	1982	1983	1984	1985	1986	1987	DIVISION AND STATE	1980	1982	1983	1984	1985	1986	1987
U.S.								S.E.—Con.							
ME	6.00	7.22	7.61	8.05	8.40	8.65	8.77	VA	6.22	7.37	7.78	8.10	8.51	8.83	9.15
NH	6.87	8.94	7.42	7.86	8.30	8.77	9.30	WV	8.08	9.40	9.74	9.93	10.24	10.36	10.96
VT	6.14	7.36	7.66	8.03	8.41	8.83	9.12	NC	6.37	8.35	8.68	7.01	7.29	7.54	7.83
MA	6.51	7.58	8.01	8.50	9.00	9.24	9.77	SC	6.56	8.66	7.03	7.28	7.61	7.92	8.10
RI	5.59	6.61	6.92	7.33	7.59	7.90	8.18	GA	6.77	6.75	7.13	7.58	8.10	8.35	8.51
CT	7.08	8.23	8.76	9.22	9.57	10.07	10.46	FL	6.88	7.02	7.33	7.62	7.86	8.02	8.16
NY	7.16	8.36	8.84	9.22	9.67	9.92	10.08	E.S.C.:							
NJ	7.31	8.88	9.11	9.50	9.85	10.12	10.42	KY	7.34	8.36	8.79	8.28	9.53	9.86	10.04
PA	7.59	8.83	8.95	9.26	9.57	9.74	9.98	TN	6.66	7.16	7.49	7.93	8.29	8.58	8.78
E.N.C.:								AL	6.49	7.33	7.58	7.97	8.48	8.81	8.76
OH	6.57	10.07	10.56	10.86	11.38	11.56	11.73	MS	5.44	6.41	6.70	6.95	7.22	7.46	7.59
IN	6.49	9.79	10.10	10.45	10.71	10.81	11.06	W.S.C.:							
IL	6.02	9.31	9.70	10.06	10.37	10.67	10.86	AR	6.71	6.89	7.06	7.31	7.57	7.76	7.98
MI	9.52	11.18	11.82	12.18	12.64	12.80	12.97	LA	7.74	9.38	9.79	10.06	10.43	10.60	10.90
WI	8.03	9.37	9.78	10.03	10.28	10.35	10.55	OK	7.36	8.89	9.21	9.64	9.86	9.80	10.14
W.N.C.:								TX	7.15	8.80	8.86	9.04	9.41	9.65	9.85
MN	7.61	9.11	9.56	9.75	10.05	10.20	10.37	M.L.:							
IA	8.87	10.01	10.09	10.24	10.32	10.35	10.61	MT	8.78	9.86	10.44	10.76	10.95	10.94	10.61
MO	7.26	8.46	8.69	9.31	9.57	9.83	9.99	ID	7.56	8.62	8.98	9.34	9.41	9.66	9.70
ND	6.56	7.50	7.73	7.86	8.06	8.19	8.43	WY	7.61	8.62	8.73	9.14	9.64	9.68	9.78
SD	6.50	7.36	7.31	7.14	7.43	7.75	7.94	CO	7.63	8.63	8.97	9.24	9.52	9.82	10.11
NE	7.38	8.47	8.76	8.93	9.02	9.26	9.34	NM	6.79	7.22	7.60	7.97	8.41	8.75	8.74
KS	7.37	6.80	8.23	8.38	9.45	9.76	9.97	AZ	7.29	8.73	8.99	9.09	9.48	9.88	9.94
S.A.:								UT	7.02	8.40	8.69	8.92	9.64	9.98	9.95
DE	7.56	8.64	9.18	9.28	9.86	10.05	10.69	NV	7.72	8.80	9.02	9.12	9.15	9.36	9.76
MD	7.61	8.78	9.02	9.45	9.73	9.91	10.08	Pac.:							
DC ¹	6.46	9.37	9.75	10.10	10.48	10.40	10.74	WA	(NA)	11.20	11.42	11.57	11.63	11.65	11.70
								OR	8.66	10.02	10.25	10.44	10.50	10.57	10.66
								CA	7.70	9.24	9.52	9.77	10.12	10.37	(NA)
								AK	10.22	11.74	12.33	12.26	12.19	11.82	11.79
								HI	6.83	7.97	8.23	8.35	8.65	8.81	9.30

NA Not available. ¹ Represents Washington, DC metropolitan area.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly. Compiled from data supplied by cooperative, "Team" agencies.

No. 1268. MANUFACTURES SUMMARY.

(Sum of State totals may not add to U.S. total)

1	DIVISION AND STATE	1977				1982							
		Establishments, total ¹	All employees ²		Value added by manufacture ⁴ (mil. dol.)	Establishments, total ¹	All employees ²		Production workers ³		Value added by manufacture ⁴ (mil. dol.)	Value of shipments (mil. dol.)	
			Number ² (1,000)	Payroll (mil. dol.)			Number ² (1,000)	Payroll (mil. dol.)	Number ³ (1,000)	Wages (mil. dol.)			
1	U.S.	369,828	19,380	384,013	566,186	369,081	19,084	379,827	12,401	204,787	634,118	1,960,206	
2	N.E.	26,737	1,361	17,803	35,588	25,899	1,446	27,803	818	13,874	56,213	104,838	
3	ME	2,157	100	1,078	2,343	2,009	110	1,775	86	1,237	4,038	8,649	
4	NH	1,825	85	1,029	2,175	1,981	107	1,782	75	1,065	4,004	7,836	
5	VT	1,030	42	498	1,050	1,104	47	683	30	434	2,037	3,730	
6	MA	11,133	614	7,819	18,349	11,017	643	12,363	397	6,001	25,888	48,204	
7	RI	3,107	125	1,327	2,737	2,855	114	1,760	63	1,052	3,793	7,862	
8	CT	5,485	412	5,852	10,934	6,693	424	9,080	—	4,095	16,373	30,067	
9	M.A.	71,008	3,517	49,843	103,180	66,443	3,353	66,316	2,648	33,333	136,367	294,829	
10	NY	36,578	1,910	20,878	44,290	32,851	1,419	29,158	836	13,270	—	121,469	
11	NJ	15,896	778	10,824	22,863	15,126	754	15,845	440	7,207	—	70,420	
12	PA.	18,735	1,328	18,043	36,017	17,666	1,180	23,315	772	—	44,824	102,940	
13	E.N.C.	88,237	4,974	76,906	160,234	87,578	4,337	82,400	2,864	52,063	184,787	440,702	
14	OH	17,354	1,331	20,366	43,055	16,980	1,102	24,740	895	13,818	49,841	112,278	
15	IN	8,061	708	10,439	22,718	7,980	585	12,659	408	7,821	25,747	53,332	
16	IL	19,517	1,286	18,741	40,279	18,816	1,069	22,881	670	11,831	47,705	112,929	
17	MI	15,827	1,118	20,064	37,586	15,158	884	22,223	564	12,505	39,118	98,715	
18	WI	8,678	535	7,316	16,606	8,682	697	10,197	329	5,980	—	52,448	
19	W.J.C.	24,321	1,297	17,388	40,686	23,940	1,272	26,130	903	13,862	60,413	168,543	
20	MN.	6,637	332	4,693	9,605	6,775	350	7,423	201	3,428	15,367	36,321	
21	IA	3,783	240	3,363	8,684	3,586	213	—	140	2,648	12,076	31,397	
22	MO	7,365	433	5,709	12,087	—	—	8,013	256	4,199	18,334	41,459	
23	ND	571	14	162	473	587	15	245	10	141	652	2,465	
24	SD	740	23	291	612	748	25	398	18	—	1,100	3,006	
25	NE	1,965	88	1,075	2,667	1,928	92	—	64	1,015	4,445	15,143	
26	KS	3,270	—	2,115	5,336	3,235	171	3,323	113	1,958	8,437	26,753	
27	S.A.	47,892	2,823	33,804	72,386	46,866	2,930	45,689	2,981	26,351	112,880	296,826	
28	DE	819	67	1,141	1,586	632	66	1,743	32	557	2,467	6,383	
29	MD	3,937	243	3,420	7,116	3,863	234	4,859	148	2,551	10,134	21,282	
30	DC	555	19	298	610	514	17	394	6	125	929	1,537	
31	VA	5,519	395	6,442	10,882	5,588	391	6,649	297	4,192	17,266	36,803	
32	WV	1,857	117	1,821	3,880	1,862	85	2,007	—	1,233	4,048	9,889	
33	NC	9,964	765	7,519	18,231	10,133	799	11,717	605	7,297	26,482	64,176	
34	SC	4,229	374	3,805	6,187	4,208	366	5,540	279	3,578	12,219	27,836	
35	GA	8,623	485	5,125	12,549	8,534	503	7,906	399	4,964	19,192	48,056	
36	FL	12,399	358	4,133	9,256	12,723	454	7,773	—	3,956	18,112	38,683	
37	E.S.C.	19,187	1,336	14,508	34,214	18,573	1,241	20,132	824	13,063	49,514	119,886	
38	KY	3,546	278	3,462	9,546	3,802	247	4,839	174	2,874	11,820	26,909	
39	TN	6,487	490	5,219	12,863	6,417	462	7,378	328	—	17,823	40,777	
40	AL	5,863	341	3,773	8,406	5,626	330	5,234	254	3,598	12,046	29,794	
41	MS	3,289	218	2,082	5,819	3,126	202	2,681	156	1,978	7,825	19,488	
42	W.S.C.	26,786	1,442	18,319	52,043	31,578	1,848	32,573	1,082	17,861	61,911	271,986	
43	AR	3,595	197	1,832	4,862	3,313	190	2,824	149	—	7,755	19,747	
44	LA	4,276	195	2,883	9,418	4,107	202	4,304	142	2,731	11,765	57,068	
45	OK	3,818	164	2,061	4,862	4,168	197	4,010	121	2,065	8,143	23,116	
46	TX	16,107	886	11,853	33,081	20,286	1,059	21,435	670	—	63,358	171,674	
47	Mt.	12,806	461	3,892	13,621	14,864	686	10,863	343	6,899	23,134	98,897	
48	MT	1,188	24	312	602	1,080	20	379	15	265	714	3,688	
49	ID	1,495	52	625	1,430	1,404	48	685	—	545	2,077	5,370	
50	WY	506	9	111	381	511	10	183	7	115	408	2,558	
51	CO	3,948	153	2,125	4,472	—	192	3,683	110	1,877	6,057	17,963	
52	NM	1,323	29	297	734	1,223	33	—	22	297	1,368	3,815	
53	AZ	2,892	111	1,483	3,333	3,407	150	3,037	67	1,423	6,162	12,907	
54	UT	1,746	70	867	1,974	1,862	83	1,539	54	837	3,455	8,980	
55	NV	729	15	192	495	651	20	356	13	210	893	1,756	
56	Pac	58,106	2,296	31,825	71,245	61,483	2,818	63,724	—	28,834	116,846	284,390	
57	WA	6,723	285	4,054	8,965	6,788	291	8,651	178	—	—	—	
58	OR	5,715	202	2,780	8,138	5,656	185	3,783	130	3,334	7,973	17,897	
59	CA	45,269	1,752	24,672	54,862	—	2,005	42,630	1,208	20,561	94,388	199,685	
60	AK	429	11	166	504	445	13	270	10	197	769	2,580	
61	HI	949	25	277	785	966	24	380	218	1,218	1,120	3,443	

X Not applicable. ¹ Includes central administrative offices and auxiliary units. ² Includes employment and payroll of administrative offices and auxiliary units. ³ "All employees" represents the average of "production workers" plus all other employees for the payroll period ended nearest the 12th of March. "Production workers" represents the average of the employment for the payroll periods ended nearest the 12th of March, May, August, and November.

BY STATE: 1977 TO 1986

because U.S. and State figures were independently derived

1986						Leading major industry groups ranked by value added by manufacture, 1982			
All employees ¹		Production workers ²		Value added by manufacture ³ (mil. dol.)	Value of shipments ⁴ (mil. dol.)				
Number ² (1,000)	Payroll (mil. dol.)	Number ² (1,000)	Wages (mil. dol.)						
18,371	486,808	11,767	238,589	1,638,821	2,268,316	Mach. exc. elec.; food; trans. equip.	1		
1,367	33,937	821	15,866	72,032	129,074	(X)	2		
101	2,076	77	1,369	4,777	10,082	Paper; leather; food	3		
102	2,312	69	1,320	5,249	9,443	Machinery exc. elec., elec. equip., paper	4		
43	1,025	28	492	2,209	4,153	Elec. equip; mach., exc. elec., fabricated metal	5		
615	15,511	356	8,830	33,945	60,883	Machinery exc. elec., elec. equip., instruments	6		
108	2,121	76	1,205	4,439	8,429	Mec. mfg., fab. metal; elec. equip.	7		
398	10,882	220	4,649	21,413	35,974	Trans. equip; mach. exc. elec., elec. equip.	8		
2,980	75,819	1,778	34,737	163,215	319,484	(X)	9		
1,288	32,836	712	13,779	73,259	138,122	Printing and publishing; instruments; elec. equip.	10		
680	17,831	387	7,787	37,867	73,085	Chemicals; food; electrical equipment	11		
1,042	24,450	679	13,182	52,088	108,277	Machinery, exc. elec., food; primary metal	12		
4,688	111,786	2,887	63,788	246,382	548,763	(X)	13		
1,087	29,803	703	16,866	68,167	145,639	Trans. equip., mach., exc. elec., fab. metal	14		
575	14,772	403	9,214	34,878	75,870	Electrical equip. primary metal, trans. equip.	15		
988	25,830	800	12,954	58,821	123,839	Machinery, exc. elec., food; elec. equipment	16		
943	29,582	629	17,562	58,879	140,574	Trans. equip; mach. exc. elec., fabricated metal	17		
488	11,809	332	7,072	28,839	64,130	Machinery, exc. elec., food; paper	18		
1,372	30,934	784	16,973	78,296	163,838	(X)	19		
367	9,526	202	4,116	19,759	42,790	Machinery exc. elec., food; fabricated metal	20		
183	4,506	127	2,617	13,219	31,219	Machinery, exc. elec., food; electrical equip.	21		
407	9,916	257	5,280	24,045	58,248	Transportation equip. food; chemicals	22		
14	273	9	154	715	2,281	Food; mach. exc. elec., printing and publishing	23		
28	487	19	308	1,498	3,838	Food; mach. exc. elec. equip.	24		
88	1,822	63	1,141	5,383	15,057	Food; machinery, exc. elec., chemicals	25		
187	4,404	117	2,377	11,689	30,383	Transportation equip., food; printing and publishing	26		
2,879	61,886	2,073	36,162	155,967	333,882	(X)	27		
84	2,025	30	702	3,020	6,864	Chemicals; food; instruments	28		
216	5,655	133	2,876	12,371	28,088	Electronic equip. food; chemicals	29		
16	489	6	130	1,302	1,854	Printing and publishing, food; machinery, exc. electric	30		
407	8,670	288	5,346	24,010	47,346	Tobacco; chemicals, food	31		
86	2,081	61	1,294	4,775	10,736	Chemicals, primary metal; stone, clay, glass	32		
803	14,979	588	9,188	42,162	84,935	Textiles tobacco electrical equipment	33		
363	6,775	288	4,348	16,472	28,119	Textiles, chemicals; machinery, exc. elec.	34		
543	10,941	385	6,523	28,764	67,648	Textiles, food; chemicals	35		
480	10,080	296	4,777	23,081	50,322	Food; electrical equip., transportation equip.	36		
1,239	24,889	824	16,036	84,088	148,322	(X)	37		
236	5,433	171	3,398	15,909	37,349	Food; machinery, exc. elec., chemicals	38		
487	9,275	341	5,839	23,625	52,717	Chemicals; food; machinery, exc. elec.	39		
329	6,432	252	4,368	15,580	35,537	Paper chemicals; textiles	40		
206	3,559	160	2,429	8,974	21,719	Transportation equip; food; electric equip.	41		
1,417	33,880	802	17,861	88,880	237,317	(X)	42		
183	3,583	151	2,380	9,184	22,131	Food; electronic equipment; paper	43		
158	3,951	108	2,465	12,641	43,861	Chemicals; petroleum; food	44		
159	3,902	100	2,112	9,002	22,393	Mach. exc. elec., fab. metal; rubber, plastic	45		
907	22,444	543	10,884	58,073	148,832	Machinery, exc. elec., chemicals; food	46		
989	13,708	337	6,615	31,875	64,888	(X)	47		
20	412	16	291	907	2,698	Lumber food; petroleum and coal	48		
49	1,043	35	649	2,811	5,820	Food; machinery exc. elec. chem. chemicals	49		
7	150	5	106	370	1,835	Chemicals; mach. exc. elec. food	50		
181	4,801	98	2,117	10,397	20,015	Machinery exc. elec. instruments; food	51		
34	648	22	336	1,932	3,776	Petroleum and coal; electric equipment, food	52		
165	4,012	83	1,853	9,509	17,730	Elec. equip. machinery exc. elec., trans. equip.	53		
92	2,083	56	1,029	4,983	10,389	Machinery exc. elec., trans. equip., food	54		
21	452	13	232	1,156	2,225	Food; printing and publishing; fabricated metals	55		
2,472	64,166	1,486	30,588	140,219	293,681	(X)	56		
279	7,848	188	3,798	15,666	42,310	Transportation equip., food; lumber	57		
187	4,389	128	2,618	9,908	21,733	Lumber food instruments	58		
1,874	52,298	1,148	23,788	112,988	224,517	Elec. equip; trans., equip. mach., exc. elec.	59		
9	231	7	185	501	2,015	Food; petroleum and coal; lumber	60		
23	424	18	239	1,174	3,088	Food; textiles, stone, clay, glass products	61		

¹ For definition, see footnote 6, table 1284² See footnote 7, table 1284

Source: U.S. Bureau of the Census, Census of Manufactures, 1977 and 1982 and Annual Survey of Manufactures.

NO. 1269. FINANCES OF MANUFACTURING CORPORATIONS: 1970 TO 1987

[In billions of dollars. Beginning 1986, data exclude estimates for corporations with less than \$250,000 in assets at time of sample selection. Prior period includes estimates for corporations in this size category. See table 692 for individual industry data]

ITEM	1970	1975	1977	1979	1979	1980	1981	1982	1983	1984	1985	1986	1987
Net sales	709	1,065	1,325	1,498	1,742	1,897	2,145	2,039	2,114	2,335	2,331	2,221	2,378
Net operating profit	50	77	107	122	135	129	144	105	125	159	138	125	111
Net profit													
Before taxes	48	80	115	133	154	145	158	108	133	186	137	129	173
After taxes	29	49	70	81	98	92	101	71	86	108	88	83	116
Cash dividends	15	20	27	29	32	36	40	41	42	45	48	46	50
Net income retained in business	14	29	44	52	66	58	61	30	44	53	42	37	66

Source: Through 1981, U.S. Federal Trade Commission; thereafter, U.S. Bureau of the Census. *Quarterly Financial Report for Manufacturing, Mining, and Trade Corporations*, first quarter report of year subsequent to reported year.

NO. 1270. CAPITAL IN MANUFACTURING ESTABLISHMENTS: 1975 TO 1987

[In billions of dollars, except percent. Minus sign (-) indicates decline. Data refer to privately owned manufacturing establishments and are based on the capital expenditures data from the census of manufactures, the Annual Survey of Manufactures, and the inventory investment component of GNP. For details, see source]

ITEM	CURRENT DOLLARS						CONSTANT (1982) DOLLARS					
	1975	1980	1984	1985	1986	1987	1975	1980	1984	1985	1986	1987
Purchases of equipment and structures	38.5	75.3	75.4	83.7	78.9	79.0	65.1	66.8	75.1	84.8	76.1	76.7
Percent equipment	79.3	80.4	80.3	80.0	80.8	81.1	78.7	80.4	81.8	82.4	83.0	83.9
Depreciation (straight line) ¹	26.7	53.1	71.7	74.2	77.1	79.7	49.8	82.0	89.9	72.2	74.3	75.9
Percent equipment	78.7	78.7	78.8	78.6	78.6	78.3	78.6	78.9	80.0	80.4	80.8	81.1
Net investment ²	9.7	22.2	4.6	9.5	-2	-7	15.3	24.9	5.1	12.4	1.8	.8
Net stock, end of year ¹	529.1	844.6	1,132.5	1,145.1	1,154.3	1,166.1	879.1	1,034.0	1,074.2	1,078.6	1,078.2	1,085.6
Equipment and structures	351.3	633.9	789.0	811.7	830.2	852.9	587.2	707.2	744.2	758.0	761.1	763.3
Percent equipment	64.4	67.0	66.7	66.8	66.8	66.8	64.0	67.4	68.3	68.7	69.0	69.4
Inventories	177.8	310.7	343.4	333.4	324.2	346.2	291.9	326.8	330.0	320.6	317.1	322.3

¹ Depreciation and net stock estimates are derived using the perpetual inventory method and the straight-line depreciation formula. ² Represents the difference between purchases and depreciation.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82, Fixed Reproducible Tangible Wealth in the United States, 1925-85, and Survey of Current Business*, January 1986, July 1987, August 1987, July 1988, and August 1988.

NO. 1271. MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS: 1950 TO 1987

[In billions of dollars, except ratio. See also *Historical Statistics, Colonial Times to 1970*, series P 74-82]

YEAR	Shipments, total	Inventories, total (Dec. 31) ¹	Ratio of inventories to shipments ²	New orders, total	Unfilled orders, total (Dec. 31)	YEAR	Shipments, total	Inventories, total (Dec. 31) ¹	Ratio of inventories to shipments ²	New orders, total	Unfilled orders, total (Dec. 31)
1950	224	32	1.41	242	41	1970	834	101	1.91	825	108
1951	281	39	1.78	287	67	1971	871	102	1.78	872	107
1952	270	42	1.71	278	76	1972	758	108	1.88	770	120
1953	298	44	1.80	283	60	1973	875	124	1.83	813	158
1954	280	42	1.71	288	48	1974	1,018	158	1.86	1,047	187
1955	318	45	1.41	330	60	1975	1,038	180	1.77	1,023	171
1956	333	51	1.74	340	66	1976	1,186	175	1.86	1,194	180
1957	344	52	1.90	331	53	1977	1,358	188	1.88	1,381	201
1958	327	50	1.75	324	47	1978	1,523	209	1.56	1,580	228
1959	363	53	1.88	368	52	1979	1,727	239	1.61	1,771	303
1960	371	54	1.78	383	45	1980	1,888	262	1.61	1,878	326
1961	371	55	1.67	373	47	1981	2,018	260	1.74	2,015	323
1962	400	56	1.76	401	48	1982	1,980	307	1.81	1,947	310
1963	421	60	1.86	428	53	1983	2,056	308	1.82	2,088	345
1964	448	63	1.82	460	55	1984	2,254	330	1.78	2,277	368
1965	482	66	1.56	505	79	1985	2,280	322	1.72	2,291	379
1966	538	78	1.70	557	97	1986	2,280	311	1.64	2,264	382
1967	558	84	1.71	566	104	1987	2,390	326	1.60	2,424	416
1968	603	90	1.78	608	110						
1969	642	98	1.81	647	115						

¹ Beginning in 1982 inventories are stated at current cost and are not comparable to the book value estimates for prior years.

² Ratio based on December seasonally adjusted data.

Source: U.S. Bureau of the Census, *Current Industrial Reports, Manufacturers' Shipments, Inventories, and Orders: 1982-1987*, series M3-1.68, M3-1(88).

**NO. 1272. VALUE OF MANUFACTURES SHIPMENTS AND INVENTORIES—SELECTED INDUSTRIES:
1980 TO 1987**

(In billions of dollars. See also *Historical Statistics, Colonial Times to 1970*, series P 74-79)

SIC ¹ code	INDUSTRY	1980	1981	1982	1983	1984	1985	1986	1987
(U)	Shipments, total	1,952.7	2,017.5	1,999.2	2,054.8	2,254.4	2,289.2	2,260.3	2,380.0
(D)	Durable goods industries ²	938.6	1,008.5	982.2	1,019.5	1,199.5	1,199.2	1,199.9	1,263.5
32	Stone, clay, and glass products	48.1	48.0	45.2	48.7	53.4	55.1	57.3	62.1
33	Primary metals	133.9	141.9	104.7	108.5	118.1	110.5	105.8	117.1
34	Fabricated metal products	118.2	123.7	119.4	122.1	135.9	139.6	138.0	135.0
35	Machinery, excl. electrical ²	180.7	201.5	187.9	178.0	210.4	215.2	208.5	218.6
351	Engines and turbines	13.7	15.3	13.0	12.2	15.5	14.9	14.1	14.4
353	Construction mining and material handling equipment	33.6	38.0	32.0	34.8	27.1	27.7	25.8	25.8
357	Office and computing machines	32.4	37.6	43.0	48.2	59.7	62.2	58.6	61.2
36	Electrical machinery ²	128.6	140.2	147.9	159.2	187.8	193.4	196.2	210.7
361-2	Elec. transmission and distribution	21.3	23.4	21.9	21.5	24.7	24.7	24.6	25.9
363	Household appliances	12.9	13.1	12.8	14.5	16.3	16.2	16.6	18.0
365	Radio and TV	8.5	8.8	7.8	8.9	8.9	11.4	11.9	11.5
368	Communication equipment	36.0	40.3	46.4	49.9	58.7	65.4	67.4	70.8
367	Electronic components	27.6	30.4	34.5	37.2	48.0	42.9	42.0	47.1
37	Transportation equipment ²	188.5	205.2	201.3	244.1	281.2	301.4	313.8	323.0
371	Motor vehicles and parts	104.6	117.0	112.3	147.3	179.3	188.5	191.6	197.0
372, 6	Aircraft, missiles, and parts	58.5	64.5	66.4	74.8	78.8	90.8	101.0	103.7
38	Instruments and related products ²	44.1	48.3	51.6	53.8	59.4	61.0	61.9	68.8
381-4	Scientific and engineering equipment	25.6	28.7	32.3	33.8	38.3	40.6	40.6	44.7
388	Photographic goods	15.9	16.9	17.0	17.4	18.7	18.1	18.6	19.6
(N)	Nondurable goods industries ²	822.1	1,011.1	1,008.0	1,036.4	1,066.8	1,082.8	1,080.5	1,126.8
20	Food and kindred products ²	256.2	272.1	280.5	287.1	300.0	301.6	306.5	325.0
208	Beverages	33.0	36.1	38.6	40.2	41.2	43.2	45.6	44.9
21	Tobacco products	12.2	13.1	16.1	16.3	17.4	18.5	19.1	19.9
22	Textile mill products	47.3	50.3	47.5	53.4	55.5	53.3	55.3	57.5
26	Paper and allied products ²	72.8	80.2	79.9	84.8	94.8	93.4	97.9	110.3
261-3, 6	Paper pulp, paperboard mill prod- ucts	31.6	35.1	34.0	36.1	41.4	39.2	41.0	47.0
265	Paperboard containers	17.2	18.0	19.2	20.5	22.6	22.7	23.1	26.8
28	Chemicals and allied products ²	182.5	180.5	170.7	183.2	198.2	197.3	197.1	212.7
281	Industrial inorganic chemicals	57.3	62.7	53.2	56.6	61.5	59.5	54.1	59.5
283-4	Drugs, soaps, toiletries	41.9	46.9	50.7	54.4	57.5	60.9	65.8	67.1
29	Petroleum and coal products	198.7	224.1	208.9	192.6	189.0	179.1	124.9	124.5
30	Rubber and plastics products	47.3	53.2	55.4	60.3	69.5	71.3	73.4	80.5
(I)	Inventories, total (Dec. 31)	261.7	279.5	307.2	388.0	328.6	322.4	311.1	325.7
(D)	Durable goods industries ²	172.2	183.6	197.0	196.6	214.9	209.8	204.2	212.3
32	Stone, clay, and glass products	5.6	6.3	6.7	6.9	7.1	7.0	7.0	7.1
33	Primary metals	23.1	25.7	23.9	22.0	21.9	19.5	17.6	18.0
34	Fabricated metal products	18.2	19.9	21.1	21.6	22.6	21.8	21.4	22.4
35	Machinery, excl. electrical ²	40.3	43.0	47.2	43.9	47.4	44.6	41.2	41.1
351	Engines and turbines	2.6	2.8	3.3	2.9	3.0	2.5	2.5	2.5
353	Construction mining and material handling equipment	9.2	9.9	11.9	9.9	9.1	7.7	6.6	6.5
357	Office and computing machines	8.4	9.2	10.0	10.5	13.2	11.9	10.4	10.5
36	Electrical machinery ²	25.4	27.8	30.0	31.4	37.6	37.6	37.5	38.4
361-2	Elec. transmission and distribution	4.1	4.6	4.9	4.7	5.3	5.0	4.6	4.6
363	Household appliances	1.6	2.0	2.3	2.4	2.7	2.5	2.6	2.7
365	Radio and TV	1.3	1.4	1.1	1.1	1.4	1.3	1.4	1.3
368	Communication equipment	8.8	9.9	10.6	11.6	14.7	15.6	15.8	16.1
367	Electronic components	5.4	5.7	6.4	6.8	8.0	7.6	7.2	7.7
37	Transportation equipment ²	35.3	37.0	42.3	43.5	49.5	50.9	50.9	55.9
371	Motor vehicles and parts	9.6	9.9	9.5	10.1	11.6	11.7	11.1	11.4
372, 6	Aircraft, missiles, and parts	21.7	24.1	29.7	29.6	34.4	35.9	36.4	40.8
38	Instruments and related products ²	6.8	8.4	10.9	11.2	12.2	12.4	12.2	12.3
381-4	Scientific and engineering equipment	6.0	6.4	7.7	7.9	8.6	9.1	9.2	9.2
388	Photographic goods	2.2	2.4	2.6	2.6	2.7	2.7	2.5	2.8
(N)	Nondurable goods industries ²	96.5	95.9	110.2	111.4	116.1	112.5	106.9	113.4
20	Food and kindred products ²	22.4	22.1	23.6	24.1	24.4	24.0	24.0	25.2
208	Beverages	3.8	3.8	4.4	4.3	4.4	4.6	4.6	4.5
21	Tobacco products	3.8	4.6	7.2	7.2	6.9	6.2	5.9	5.9
22	Textile mill products	6.5	6.7	6.6	7.3	7.5	7.0	6.9	7.2
26	Paper and allied products ²	7.7	8.6	8.9	9.2	10.1	8.9	10.2	11.1
261-3, 6	Paper pulp, paperboard mill products	2.9	3.2	3.5	3.4	3.8	3.6	3.7	3.9
265	Paperboard containers	1.9	2.3	2.3	2.5	2.7	2.5	2.6	2.9
28	Chemicals and allied products ²	19.6	22.0	23.8	24.4	25.5	25.1	24.2	24.8
281	Industrial inorganic chemicals	6.5	7.3	7.9	7.7	8.0	7.5	6.6	6.8
283-4	Drugs, soaps, toiletries	5.9	6.4	6.7	7.0	7.5	7.7	8.1	8.7
29	Petroleum and coal products	9.9	10.6	17.2	15.1	14.3	13.9	9.2	9.9
30	Rubber and plastics products	6.0	6.5	7.2	7.4	8.2	8.4	8.3	9.0

X Not applicable. ¹ Standard Industrial Classification. ² Includes industries not shown separately.

Source: U.S. Bureau of the Census, *Current Industrial Reports, Manufactures' Shipments, Inventories, and Orders, 1982-1986*, series M3-1.88 M3-1.89.

NO. 1273. INDUSTRIAL PRODUCTION INDEXES, BY INDUSTRY: 1970 TO 1987

[1977 = 100. Based on 1977 *Standard Industrial Classification Manual*; see text, section 5. See also *Historical Statistics, Colonial Times to 1970*, series P 13 and P 16-39]

SIC code	MAJOR INDUSTRY GROUP	1970	1975	1976	1979	1980	1981	1982	1983	1984	1985	1986	1987
(X)	Industrial production	79	85	107	111	108	111	103	109	121	124	125	130
(X)	Manufacturing	77	83	107	112	100	111	102	110	123	126	128	136
(X)	Durable goods	79	83	106	114	106	111	100	108	124	127	128	133
24	Lumber and products	81	81	102	102	83	80	83	100	109	113	124	130
25	Furniture and fixtures	75	80	109	112	109	110	106	118	134	140	144	153
32	Clay, glass, and stone products	76	83	109	111	102	99	89	99	113	118	118	119
33	Primary metals	95	86	107	109	90	95	86	73	82	81	75	81
34	Fabricated metal products	82	83	106	106	102	102	87	89	103	107	108	111
35	Non-electrical machinery	73	85	112	123	123	130	118	118	142	145	145	153
36	Electrical machinery	69	77	113	126	130	134	128	144	171	188	185	172
37	Transportation equipment	75	81	106	108	97	95	88	99	112	121	128	129
38	Instruments	60	81	112	118	122	126	125	123	137	139	140	144
(X)	Nondurable goods	78	85	106	108	107	110	108	114	122	125	130	137
20	Food	82	90	104	107	111	114	115	120	127	130	134	138
21	Tobacco products	92	100	105	105	108	109	105	101	100	100	97	104
22	Textile mill products	81	85	103	104	101	98	88	101	104	103	109	116
26	Paper and products	81	85	107	111	111	112	109	120	127	128	137	144
27	Printing and publishing	52	84	106	113	115	119	120	130	147	154	161	172
28	Chemicals and products	57	83	107	111	108	113	104	114	122	127	132	140
29	Petroleum products	80	87	103	102	94	89	84	84	87	87	83	94
30	Rubber and plastics products	58	73	108	115	108	110	110	124	144	147	151	164
31	Leather and products	117	102	102	86	83	93	82	82	77	66	61	60
(X)	Mining	85	97	104	108	112	118	109	109	111	109	109	101
(X)	Utilities	81	94	103	107	107	107	106	106	111	112	109	119

X Not applicable. * Standard Industrial Classifications.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

NO. 1274. INDEX OF MANUFACTURING CAPACITY: 1950 TO 1986

[1977 output = 100. Annual figures are averages of quarterly data. Capacity represents estimated quantity of output, relative to output in 1987, which the current stock of plant and equipment in manufacturing industries was capable of producing. Primary processing industries comprise textiles, lumber, paper and pulp, petroleum, rubber, stone, clay, glass, primary metals, fabricated metals, and a portion of chemicals. Advanced processing industries comprise chemical products, food, beverages, tobacco, apparel, furniture, printing and publishing, leather, machinery, transportation equipment, instruments, ordnance, and miscellaneous industry groups]

YEAR	Index of capacity	RELATION OF OUTPUT TO CAPACITY (percent)			YEAR	Index of capacity	RELATION OF OUTPUT TO CAPACITY (percent)		
		All manufacturing	Primary processing	Advanced processing			All manufacturing	Primary processing	Advanced processing
1950	40	83	69	80	1979	130	86	87	84
1960	60	80	80	81	1980	134	79	78	80
1965	73	90	91	89	1981	138	78	78	78
1970	97	78	81	78	1982	143	70	66	72
1971	101	77	80	78	1983	146	74	74	74
1972	104	83	86	81	1984	150	61	61	80
1973	108	87	81	85	1985	154	60	61	80
1974	112	83	85	82	1986	158	60	62	79
1975	116	72	72	73	1987	161	61	65	79
1976	119	77	79	77	1988: 1st qtr	163	63	67	81
1977	123	81	83	81	2d qtr	164	63	67	81
1978	126	84	86	83					

Source: Board of Governors of the Federal Reserve System, *Capacity Utilization in Manufacturing, Mining, Utilities, and Industrial Materials*, G.I., monthly. (Based on data from Federal Reserve Board, U.S. Dept. of Commerce, U.S. Bureau of Labor Statistics, and McGraw-Hill Information Systems Company, New York, NY, and other sources.)

NO. 1275. LARGE MANUFACTURING COMPANIES—ADEQUACY OF CAPITAL FACILITIES: 1970 TO 1987

[Percent distribution. As of July. Number of companies weighted by company assets. Based on replies to the question, "In view of the current rate of order bookings and customer inquiries, are your plant-and-equipment facilities now: Inadequate, Sufficient, or More than adequate?" as part of a quarterly survey conducted among the 1,000 largest manufacturing companies as listed by total assets]

YEAR	Inadequate	Sufficient	More than adequate	YEAR	Inadequate	Sufficient	More than adequate
1970	28	60	12	1980	12	57	31
1973	45	53	2	1981	9	51	40
1974	57	40	3	1982	8	48	47
1975	19	48	38	1983	8	48	48
1976	16	65	17	1984	8	65	37
1977	20	68	14	1985	10	62	38
1978	20	62	18	1986	8	66	37
1979	20	69	11	1987	8	71	21

Source: The Conference Board, New York, NY, *Quarterly Survey of Capital Investment and Supply Conditions in Manufacturing* (copyright).

NO. 1276. LARGE MANUFACTURING COMPANIES—CAPITAL APPROPRIATIONS AND EXPENDITURES, BY INDUSTRY: 1960 TO 1967

[In millions of dollars. Based on reports submitted by companies responding to The Conference Board's *Quarterly Survey of Capital Appropriations*. This survey is conducted among the 1,000 largest manufacturing companies as listed by total assets. **Appropriations:** Authorizations by management to spend funds for new plant and equipment; **expenditures:** Cost of new plant and equipment.]

INDUSTRY	APPROPRIATIONS					EXPENDITURES				
	1960	1964	1965	1966	1967	1966	1964	1965	1966	1967
Total	103,579	117,446	108,868	86,877	119,168	87,887	88,488	86,888	93,838	103,998
Food and beverages.....	6,050	6,977	8,139	8,117	10,180	6,017	5,372	6,535	7,192	8,357
Paper and allied products.....	3,515	6,278	3,200	4,845	7,306	3,839	3,784	3,951	4,519	5,407
Chemicals and allied products.....	12,180	11,830	11,555	11,391	14,272	10,888	11,146	10,610	11,785	11,624
Petroleum and coal products.....	33,597	26,200	25,823	13,045	15,841	22,044	21,589	21,805	14,835	14,298
Primary iron and steel.....	2,101	1,465	1,762	1,584	2,185	2,801	1,443	1,815	1,387	1,174
Electrical machinery and equipment.....	6,519	11,323	8,284	8,286	22,287	6,183	8,850	9,185	9,488	18,688
Machinery, except electrical.....	8,891	10,828	11,448	7,400	8,888	9,301	8,557	10,222	8,801	8,606
Motor vehicles and equipment.....	7,012	16,880	11,849	6,274	6,584	5,558	6,880	10,275	12,383	9,104
Other transportation equipment.....	3,633	5,272	5,835	5,471	6,280	3,744	4,308	5,183	6,127	5,822
Instruments and photo equipment.....	3,153	4,848	4,008	3,517	3,813	2,873	4,163	3,788	3,405	3,538
Rubber products.....	673	1,870	4,744	1,519	1,805	803	1,215	3,439	2,717	1,351
Other manufacturing.....	15,475	13,446	12,237	13,218	20,081	12,938	11,224	12,511	13,012	18,948

Source: The Conference Board, New York, NY, *Quarterly Survey of Capital Appropriations*. (Copyright.)

NO. 1277. U.S. SHARE OF WORLD EXPORTS OF MANUFACTURES: 1960 TO 1967

[World exports—exports from 15 major trading countries: United States, Austria, Belgium-Luxembourg, Canada, Denmark, France, West Germany, Italy, Japan, Netherlands, Norway, Sweden, Switzerland, and United Kingdom. Percentages are calculated from the values of exports of the five commodity groups from each of the 15 countries. Percentage shares are based on dollar values calculated at current exchange rates. Details are reported according to Revision 2 of the United Nations Standard International Trade Classification (SITC).]

PRODUCT CATEGORY	TOTAL (\$B. dol.)						PERCENT OF WORLD EXPORTS					
	1960	1962	1964	1965	1966	1967	1966	1962	1964	1965	1966	1967
Total ¹	147.2	138.4	148.2	155.7	155.1	178.4	16.8	17.9	17.3	16.7	14.1	13.9
Machinery.....	57.1	56.3	63.0	62.7	64.0	73.0	21.4	22.2	22.8	21.4	18.3	17.2
Transport equipment.....	28.8	28.4	30.0	35.2	35.4	40.6	18.3	17.6	17.3	18.7	15.7	15.5
Chemicals.....	20.8	19.9	22.6	21.5	22.4	26.7	17.8	18.3	18.5	17.8	15.5	15.3
Basic manufactures ²	23.3	16.1	16.4	15.0	15.2	18.0	10.1	8.9	8.7	7.8	6.8	6.9
Misc. articles ³	17.0	15.8	16.2	16.3	18.1	21.1	18.0	15.9	15.6	14.6	11.6	12.4

¹ Represents manufactures exports. Excludes mineral fuel products, processed food, fats, oils, firearms of war, and ammunition.

² Includes semimanufactures of various materials, such as metals, fibers, wood, glass, leather, rubber, and certain finished products of metal. ³ Includes mainly nondurable consumer goods and professional and scientific instruments.

Source: U.S. Dept. of Commerce, International Trade Administration, Office of Trade and Investment Analysis, *Business America*, *Weekly*, and *Market Share Reports*, annual.

NO. 1278. FOREIGN DIRECT INVESTMENT POSITION IN THE U.S. FOR MANUFACTURING: 1960 AND 1967

[In millions of dollars. Minus sign (-) indicates decrease.]

AREA OR COUNTRY	TOTAL ¹		FOOD PRODUCTS		CHEMICALS AND ALLIED PRODUCTS		PRIMARY AND FABRICATED METALS		MACHINERY	
	1960	1967	1960	1967	1960	1967	1960	1967	1960	1967
All countries ¹	32,983	91,025	4,888	18,004	10,439	20,442	3,578	8,199	8,888	15,157
Canada.....	5,227	7,478	(D)	430	116	399	801	2,555	1,173	1,878
Europe ²	21,953	70,508	2,088	13,890	8,183	27,637	2,184	3,453	4,483	11,520
Belgium.....	388	889	(Z)	(D)	185	480	157	(D)	8	33
France.....	2,281	8,907	111	362	633	4,457	555	795	61	1,388
Italy.....	50	246	(D)	(D)	(D)	1	9	(D)	14	1,923
Luxembourg.....	85	50	(D)	(D)	-	-	(D)	(D)	2	60
Netherlands.....	4,777	16,120	225	5,492	2,002	6,045	170	533	1,094	1,488
United Kingdom.....	6,159	23,510	1,088	4,156	2,301	9,077	524	1,115	1,087	1,736
Sweden.....	994	3,016	1	- 2	87	578	148	378	613	1,904
Switzerland.....	3,116	8,321	586	(D)	1,154	2,445	284	(D)	861	1,011
West Germany.....	3,875	9,002	43	36	1,815	4,684	333	255	832	1,388
Japan.....	1,033	5,232	98	164	224	534	78	577	318	1,521
Australia, New Zealand, and South Africa.....	87	3,115	4	1,342	5	32	44	719	2	6
Latin America.....	4,571	3,886	101	24	1,829	1,718	412	588	1,027	197
Middle East.....	83	250	(D)	(D)	1	5	(D)	(D)	(Z)	15
Other Africa, Asia and Pacific.....	38	687	(D)	(D)	(Z)	116	(D)	(D)	8	20

- Represents zero. D Withheld to avoid disclosure of data of individual companies. Z Less than \$500,000.

¹ Includes other manufacturing, not shown separately. ² Includes other countries not shown separately.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, October 1964 and August 1968 issues.

No. 1279. EMPLOYMENT RELATED TO MANUFACTURED EXPORTS BY INDUSTRY: 1977 TO 1984

[Total employment related to manufactured exports is the sum of employment directly calculated for the plants shipping the exported product, the supplying industries and service organizations and the central administrative offices and auxiliaries. For manufacturing industries, employment is limited to paid employees in manufacturing plants, while for nonmanufacturing it includes an estimate for working proprietors and partners]

INDUSTRY	1977			1985			1985			1984		
	Civilian employment (1,000)	Employment related to manufactured exports		Civilian employment (1,000)	Employment related to manufactured exports		Civilian employment (1,000)	Employment related to manufactured exports		Civilian employment (1,000)	Employment related to manufactured exports	
		Num-ber (1,000)	Percent of civilian employment		Num-ber (1,000)	Percent of civilian employment		Num-ber (1,000)	Percent of civilian employment		Num-ber (1,000)	Percent of civilian employment
U.S.....	88,488	3,258	3.6	100,280	4,808	4.8	105,831	3,662	3.7	108,067	4,087	3.8
Manufacturing	19,590	1,990	10.2	20,847	2,639	12.6	16,737	2,173	11.8	19,141	2,179	11.4
Nonmig	69,779	1,268	1.8	79,613	2,170	2.7	87,094	1,789	2.1	88,918	1,918	2.2
Trade	16,853	489	2.9	19,737	845	4.3	21,059	816	3.9	21,501	675	4.1
Business serv....	16,750	215	1.3	17,245	575	3.3	19,515	178	.9	20,105	196	1.0
Transp. ¹	4,797	185	3.9	6,389	305	4.8	5,697	237	4.2	5,968	258	4.3
Agriculture.....	3,044	129	4.2	3,225	144	4.5	3,697	121	3.2	3,576	122	3.4
Mining.....	747	34	4.6	947	69	7.3	1,071	43	4.0	1,027	46	4.5
Other	27,788	216	.8	32,000	233	.7	36,055	394	1.1	36,743	420	1.1

¹ Includes communications and utilities.
Source: U.S. Bureau of the Census, *Census of Manufactures, 1977*, and *Annual Survey of Manufactures, Origin of Exports of Manufactured Products*.

No. 1280. EXPORT-RELATED SHIPMENTS AND EMPLOYMENT OF MANUFACTURING ESTABLISHMENTS, 1963 TO 1984, AND BY INDUSTRY, 1984

[The export-related employment data shown do not include the jobs involved in the export of nonmanufactured goods and various services sold to foreign buyers. Thus, jobs in the manufacturing sector that relate to the export of nonmanufactured goods are excluded from the estimates. In addition, all of the indirect exports being reported are domestically produced, that is, they exclude imports. See source for further details on methodology]

SIC ¹ code	INDUSTRY GROUP	MANUFACTURER'S SHIPMENT VALUE					MANUFACTURING EMPLOYMENT				
		Total ² (bil. dol.)	Export related			Export related as percent of shipments	Total ³ (1,000)	Export related			Export related as percent of total employment
			Total (bil. dol.)	Direct ex-ports ⁴ (bil. dol.)	Supporting ex-ports ⁴ (bil. dol.)			Total ⁵ (1,000)	Direct ex-ports ⁶ (1,000)	Supporting ex-ports ⁶ (1,000)	
(x) 1963		420.5	16.5			3.9	16,958	(NA)			(NA)
(x) 1972		758.5	36.7			4.9	19,027	770			4.0
(x) 1977		1,358.4	142.4	85.8	56.6	10.4	19,590	1,990	1,106	884	10.2
(x) 1980		1,852.7	249.6	151.2	98.8	13.5	20,847	2,639	1,496	1,153	12.6
(x) 1981		2,017.5	271.7	184.3	107.4	13.4	20,264	2,604	1,486	1,116	12.9
(x) 1983		2,055.3	248.4	141.6	104.8	12.0	18,737	2,173	1,116	1,056	11.6
(x) 1984, total ⁸		2,253.8	268.3	151.0	117.3	11.9	19,141	2,179	1,683	1,009	11.4
20 Food and kindred products.....		300.0	14.5	10.7	3.8	4.8	1,437	53	38	15	3.7
21 Tobacco products.....		17.4	2.5	2.2	.3	14.6	52	11	10	1	20.3
22 Textile mill products.....		55.4	4.1	1.7	2.4	7.4	711	48	17	31	6.8
23 Apparel, other textile products		57.6	1.7	1.1	.6	3.0	1,152	23	12	10	2.0
24 Lumber and wood products		54.7	4.5	2.4	2.2	8.3	643	42	18	24	6.6
25 Furniture and fixtures.....		30.0	.8	.5	.3	2.7	474	12	7	5	2.4
26 Paper and allied products		94.8	10.1	3.8	6.3	10.6	613	59	18	41	9.7
27 Printing and publishing.....		103.5	4.3	1.3	3.1	4.2	1,325	51	11	40	3.9
28 Chemical and allied products		198.3	32.9	20.1	12.8	16.6	845	128	80	48	15.1
29 Petroleum and coal products.....		189.0	14.8	3.9	10.9	7.8	137	10	4	6	7.2
30 Rubber, misc. plastics products		69.5	8.1	2.8	5.3	11.7	732	81	25	57	11.1
31 Leather, leather products		9.3	.6	.5	.1	6.8	170	6	5	1	3.5
32 Stone, clay, glass products.....		53.4	3.9	1.7	2.2	7.2	533	39	17	22	7.3
33 Primary metal industries		119.1	23.3	4.0	19.3	19.5	805	154	23	131	19.1
34 Fabricated metal products		135.9	15.6	6.0	9.8	11.6	1,482	174	62	112	11.6
35 Machinery, except electric		210.4	45.2	32.2	12.9	21.5	2,052	408	275	133	19.9
36 Electric, electronic equipment.....		188.0	34.2	17.4	16.8	18.2	2,033	361	182	199	18.7
37 Transportation equipment		280.2	35.8	29.4	6.4	12.8	1,709	218	179	39	12.8
38 Instruments and related prod-ucts		59.4	9.1	7.9	1.3	15.4	612	96	84	15	16.0
39 Misc. manufacturing		27.8	2.0	1.8	.5	7.4	355	23	17	7	6.5

NA Not available. ¹ Standard Industrial Classification; see text, section 13. ² Includes total domestic and export shipments for all manufacturing establishments. ³ Includes only the value of manufactured products exported by the producing plants. ⁴ Includes shipments of components, parts, supplies, etc., used by plants producing the export products. ⁵ Includes employees of central administrative offices and auxiliaries. ⁶ Employment is limited to paid employees in manufacturing plants producing the export product. The number of employees related to export shipments was calculated for each establishment, aggregated by industry and by States, and inflated to a level comparable to the plant value of exports reported in the official foreign trade statistics at port value. ⁷ Manufacturing employment at establishment producing components, parts, supplies, etc. for use by plants producing for export. ⁸ Includes administrative and auxiliary units, not shown separately.
Source: U.S. Bureau of the Census, *Census of Manufactures, 1963, 1972, and 1977*; and *Annual Survey of Manufactures, Origin of Exports of Manufactured Products*.

**NO. 1281. EXPORT-RELATED SHIPMENTS AND EMPLOYMENT OF MANUFACTURING ESTABLISHMENTS,
BY STATE: 1964**

(See headnote, table 1280. For composition of regions, see fig. 1, inside front cover. Includes employees of central administrative and auxiliary offices.)

REGION, DIVISION, AND STATE	MANUFACTURES SHIPMENT VALUE					MANUFACTURING EMPLOYMENT				
	Total (\$ mil.)	Export related			Export related as percent of shipments	Total (1,000)	Export related			Export related as percent of total employment
		Total (\$ mil.)	Direct exports (\$ mil.)	Supporting exports (\$ mil.)			Total (1,000)	Direct exports (1,000)	Supporting exports (1,000)	
U.S.	2,353.2	288.3	151.8	137.3	11.8	72,141	2,179	1,083	1,096	11.4
Regions:										
Northeast	448.5	54.8	31.2	24.1	12.2	4,867	552	287	265	11.8
Midwest	717.2	81.0	44.8	36.0	11.3	6,548	845	300	345	11.6
South	735.7	83.1	44.1	38.8	11.4	5,819	880	273	287	9.8
West	352.5	49.4	31.0	18.4	14.0	2,112	423	244	177	13.6
New England:	124.5	18.9	11.2	7.1	14.5	1,486	196	108	88	13.4
Maine	9.9	1.2	.7	.5	12.2	108	11	6	5	10.3
New Hampshire	8.8	1.1	.8	.6	12.9	114	14	6	8	11.8
Vermont	3.8	.6	.3	.3	16.2	44	7	3	3	15.2
Massachusetts	58.8	8.8	5.5	3.3	15.0	657	91	48	43	13.8
Rhode Island	8.5	.9	.5	.5	11.1	114	12	6	7	10.5
Connecticut	34.9	5.4	3.6	1.8	15.5	419	60	34	27	14.4
Middle Atlantic:	334.8	36.8	20.8	17.8	11.4	2,211	267	166	188	11.1
New York	133.9	16.0	9.8	6.2	11.8	1,347	161	78	73	11.2
New Jersey	77.7	8.0	4.3	3.8	10.3	738	79	32	47	10.8
Pennsylvania	112.4	12.8	5.9	7.0	11.4	1,126	127	54	73	11.3
East North Central:	938.4	92.8	33.5	29.8	11.7	4,238	986	234	298	11.8
Ohio	141.8	17.4	9.0	8.4	12.3	1,128	144	68	76	12.8
Indiana	78.9	9.4	4.4	4.9	12.2	608	72	32	40	11.8
Illinois	125.8	13.3	6.4	6.9	10.8	1,086	117	48	70	11.0
Michigan	130.1	16.7	10.8	6.1	12.8	944	116	56	62	12.5
Wisconsin	62.0	5.8	3.1	2.7	9.3	501	54	24	30	10.7
West North Central:	188.8	18.4	11.4	7.8	10.3	1,368	148	78	88	10.7
Minnesota	42.8	5.3	3.1	2.1	12.4	373	47	23	25	12.7
Iowa	39.5	3.3	2.1	1.2	8.8	202	20	12	8	10.1
Missouri	52.7	5.4	3.4	2.0	10.2	415	43	24	20	10.4
North Dakota	2.6	.3	.2	.1	11.2	14	2	1	1	11.4
South Dakota	3.5	.2	.2	.1	7.0	27	2	1	1	6.7
Nebraska	15.1	1.3	.8	.5	8.7	82	9	5	4	10.0
Kansas	30.8	2.6	1.8	1.0	8.6	185	17	10	7	9.2
South Atlantic:	311.8	33.5	16.8	14.8	11.1	3,011	275	138	148	9.1
Delaware	9.6	1.1	.7	.4	11.7	88	9	3	6	12.8
Maryland	23.6	2.3	1.1	1.2	9.9	228	24	12	12	10.7
District of Columbia	1.7	.1	(2)	(2)	4.2	15	1	(2)	1	3.8
Virginia	43.9	4.8	2.9	1.9	10.9	408	37	18	18	9.0
West Virginia	10.8	1.9	.9	1.0	17.2	67	11	5	7	13.1
North Carolina	78.8	8.5	4.8	3.7	10.8	628	68	31	38	8.3
South Carolina	34.0	4.0	1.9	2.1	11.7	265	34	14	20	9.4
Georgia	61.8	5.1	2.7	2.4	8.2	542	42	20	22	7.7
Florida	47.8	6.0	3.8	2.2	12.5	469	48	26	22	10.2
East South Central:	145.8	16.5	8.8	7.8	10.7	1,277	114	64	88	8.9
Kentucky	37.4	4.1	2.1	2.0	10.9	252	28	12	14	10.3
Tennessee	48.5	5.0	2.7	2.3	10.1	477	42	21	21	8.7
Alabama	35.3	4.2	2.0	2.2	11.6	341	31	14	17	9.1
Mississippi	22.4	2.2	1.2	1.0	10.0	207	15	7	8	7.0
West South Central:	278.3	33.8	17.3	16.5	12.1	1,531	171	88	81	11.2
Arkansas	22.8	2.4	1.3	1.1	10.5	200	16	7	9	8.1
Louisiana	55.0	7.0	3.5	3.5	12.7	182	19	9	9	10.2
Oklahoma	24.5	2.3	1.2	1.1	9.3	174	18	11	8	11.0
Texas	175.8	22.1	11.3	10.8	12.6	975	117	62	55	12.0
Mountain:	85.8	8.3	4.5	3.7	12.7	676	78	42	38	13.2
Montana	3.8	.3	.1	.3	8.4	22	1	(2)	1	6.3
Idaho	6.2	.7	.4	.3	10.7	50	5	3	2	9.7
Wyoming	2.4	.2	(2)	.1	6.3	9	1	(2)	(2)	5.9
Colorado	21.3	2.8	1.9	.9	13.1	191	27	17	10	14.0
New Mexico	3.9	.3	.1	.2	8.4	31	3	2	1	9.9
Arizona	15.8	2.5	1.2	1.3	15.8	181	28	13	13	15.9
Utah	10.3	1.3	.7	.6	12.6	83	11	6	5	12.1
Nevada	1.8	.2	.1	.1	10.3	19	2	1	1	10.5
Pacific:	286.9	41.1	26.5	14.7	14.3	2,538	347	202	144	13.7
Washington	38.8	6.8	3.9	1.7	22.4	277	48	36	12	17.2
Oregon	21.0	2.7	1.6	1.1	12.9	191	25	15	10	13.0
California	221.5	29.8	17.1	11.7	13.0	2,038	271	148	122	12.3
Alaska	2.4	.6	.6	.1	27.3	9	2	2	(2)	26.7
Hawaii	3.4	.4	.3	.1	12.1	23	1	(2)	(2)	3.1

Z Less than \$50 million or fewer than 500.

Source: U.S. Bureau of the Census, *Annual Survey of Manufactures, Origin of Exports of Manufactured Products 1964*, p. 2.

NO. 1282. IMPORTS FOR CONSUMPTION OF MANUFACTURED PRODUCTS: 1970 TO 1987

[Import data for 1974-81 are valued on a f.a.s. basis. Data for 1970-73 and 1982-88 are valued on a customs basis. Data for all years have been adjusted to include comparable commodities in each group. Minus sign (-) indicates decrease]

SIC ¹ code	PRODUCT	1987		GROWTH RATE ² (percent)			IMPORT PENETRATION RATIO ³ (percent)			
		Value (mil. dol.)	Per- cent distribu- tion	1970- 1987	1980- 1987	1986- 1987	1972	1977	1982	1987
(x)	Manufacturing	340,088	100.0	18.0	12.8	10.5	8.1	7.8	8.5	12.9
(x)	Nondurables.....	94,298	27.7	13.0	9.0	11.8	4.7	5.4	5.8	8.0
20	Food and kindred products	13,180	3.8	8.0	3.4	5.3	3.9	3.8	3.6	4.2
21	Tobacco manufactures.....	90	-	10.5	-4	10.2	.6	7	1.8	5
22	Textile mill products	4,780	1.4	8.3	13.0	13.1	5.6	4.2	5.4	8.4
23	Apparel and other mill products	21,503	6.3	18.0	18.6	18.3	7.0	10.3	4.3	24.5
26	Paper and allied products	9,715	2.8	11.3	8.7	18.0	5.6	5.3	8.1	7.3
27	Printing and publishing	1,329	.4	13.7	14.6	7.5	1.0	.8	.9	1.4
28	Chemicals and allied products	14,318	4.2	15.3	10.8	8.5	3.2	3.9	4.5	6.7
29	Petroleum and coal products	13,128	3.8	13.3	-3	2.2	7.1	8.5	7.3	9.8
30	Rubber and plastics products	6,331	1.8	14.2	12.7	17.7	4.7	5.4	5.1	6.9
31	Leather and leather products	9,830	2.9	16.9	16.8	14.8	15.9	21.2	33.9	54.8
(x)	Durables	245,791	72.3	16.0	14.3	9.4	7.2	6.5	11.2	15.8
24	Lumber and wood products	5,959	1.8	11.2	7.3	10.9	8.4	9.3	8.2	10.2
25	Furniture and fixtures	4,575	1.3	19.8	22.9	14.6	2.8	3.8	5.3	10.6
32	Stone, clay and glass products	5,580	1.6	14.7	13.7	13.2	3.7	4.0	5.3	6.3
33	Primary metal industries	19,108	5.6	9.9	2.9	4.2	8.9	10.0	14.7	16.8
34	Fabricated metal products	9,517	2.8	14.4	11.8	12.7	2.5	3.2	4.9	6.0
35	Machinery, except electrical	42,318	12.4	18.7	18.1	18.4	5.4	6.3	8.4	18.9
36	Electrical and electronic equipment	45,782	13.5	18.2	16.7	8.6	7.8	10.4	12.4	18.5
37	Transportation equipment	88,658	25.5	18.6	18.0	5.8	9.8	10.2	15.4	20.9
38	Instruments and related products	11,547	3.4	17.5	13.7	8.6	6.7	9.2	10.1	16.0
39	Miscellaneous manufacturing industries	14,886	4.3	15.9	15.2	14.8	13.3	17.2	24.0	37.5

- Represents zero. X Not applicable. ¹ Standard Industrial Classification. ² 1970-87 and 1980-87 rates are compound annual growth rates. ³ Ratio of imports to new supply (product shipments plus imports).

NO. 1283. IMPORTS FOR CONSUMPTION FOR 28 LEADING 3-DIGIT SIC PRODUCT GROUPS: 1970 TO 1987

[See heading table 1282. N.E.C. = Not elsewhere classified]

1977 SIC ¹ code	PRODUCT GROUP	1987		GROWTH RATE ² (percent)			IMPORT PENETRATION RATIO ³ (percent)			
		Value (mil. dol.)	Per- cent distribu- tion	1970- 1987	1980- 1987	1986- 1987	1972	1977	1982	1987
314	Footwear except rubber	6,862	2.0	17.6	17.4	11.1	17.1	24.0	38.2	62.4
386	Radio and TV receiving equipment	11,783	3.6	14.1	16.3	7.2	31.9	37.4	43.1	59.2
387	Watches, clocks, and watchcases	1,813	.8	14.0	6.4	11.2	21.1	34.0	45.9	68.1
375	Motorcycles, bicycles, and parts	1,343	.4	7.6	1.9	10.8	65.1	51.2	53.8	57.5
317	Handbags and personal leather goods	1,128	.3	15.8	13.0	22.9	18.1	28.9	37.4	58.5
391	Jewelry, silverware, and plated ware	5,832	1.7	18.7	14.1	3.1	22.0	31.1	41.9	58.3
237	Fur goods	515	.2	28.8	26.4	17.1	3.7	9.6	25.0	55.6
316	Luggage	870	.3	22.1	19.4	23.7	15.4	19.7	34.8	66.4
313	Boot, shoe cut stock and findings	281	.1	29.5	17.6	14.4	2.2	10.5	24.7	48.8
393	Musical instruments	790	.2	16.0	24.8	35.3	15.0	14.2	21.5	48.0
394	Toys and sporting goods	5,749	1.7	17.3	17.4	27.1	13.0	12.3	25.6	41.8
226	Pottery and related products	1,492	.4	14.3	10.8	17.4	21.5	27.0	30.9	41.3
236	Children's outerwear	5,425	1.9	17.3	20.9	14.7	16.3	16.6	20.2	40.5
238	Miscellaneous apparel and accessories	1,453	.4	14.7	15.6	36.1	16.1	27.7	25.0	38.1
315	Leather gloves and mittens	90	-	5.8	7.0	10.7	22.3	24.3	37.2	38.5
385	Ophthalmic goods	830	.2	16.3	16.9	13.8	12.4	19.7	24.0	38.4
302	Rubber and plastics footwear	348	.1	3.9	-4.5	27.9	33.9	61.3	33.6	35.8
328	Cut stone and stone products	430	.1	17.7	26.2	15.4	10.8	8.2	23.6	35.6
333	Primary nonferrous metals	6,647	2.0	9.1	1.1	1.8	17.7	26.3	23.6	33.7
319	Leather goods, n.e.c.	168	-	14.1	15.0	18.7	15.1	13.6	16.1	31.9
381	Engineering and scientific instruments	245	.1	17.1	13.0	15.3	12.5	18.2	32.4	30.6
355	Special industry machinery	4,559	1.3	14.1	14.1	13.9	14.7	13.8	18.4	29.6
281	Pulpmills	2,069	.6	8.9	2.5	26.2	30.4	23.1	29.1	27.7
371	Motor vehicles and equipment	78,113	23.0	16.9	17.1	8.3	11.6	12.4	20.6	26.4
233	Women's and misses outerwear	4,573	1.3	19.3	20.1	13.0	4.9	6.0	14.4	28.2
396	Costume jewelry and notions	985	.3	14.2	10.4	16.7	13.6	17.5	17.7	25.9
235	Hats, caps, and millinery	210	.1	14.2	9.5	8.9	11.0	12.6	18.8	24.8
232	Men's and boys furnishings	5,176	1.5	19.3	16.0	26.8	7.2	11.1	16.3	24.0

- Represents zero. ¹ Standard Industrial Classification. ² 1970-87 and 1980-87 rates are compound annual growth rates. ³ Ratio of imports to new supply (product shipments plus imports).

Source of tables 1282 and 1283: U.S. International Trade Administration, *Industrial Outlook*, annual.

No. 1284. DOMESTIC EXPORTS OF MANUFACTURED PRODUCTS: 1970 TO 1987

(Data are valued on a f.a.s. basis. Data for all years have been adjusted to include comparable commodities in each group. Minus sign (-) indicates decrease)

SIC ¹ code	PRODUCT	1987		GROWTH RATE ² (percent)			RATIO OF EXPORTS TO PRODUCT SHIPMENTS (percent)			
		Value (mil. dol.)	Per- cent distribu- tion	1970- 1987	1980- 1987	1985- 1987	1972	1977	1982	1987
(2)	Manufacturing	199,366	100.0	10.9	2.5	15.3	6.6	7.4	9.1	8.2
(2)	Nondurables	80,148	30.3	11.3	2.5	16.8	3.5	4.5	5.4	5.2
20	Food and kindred products	12,320	6.2	9.6	2	9.5	2.9	4.1	4.3	3.9
21	Tobacco manufactures	2,278	1.1	16.7	11.2	53.9	5.7	9.4	10.3	9.1
22	Textile mill products	1,901	1.0	8.9	-3.6	14.4	2.9	4.3	4.9	3.9
23	Apparel and other mill products	1,480	.8	11.8	-1.0	29.5	1.2	2.2	2.4	2.1
26	Paper and allied products	5,676	2.8	10.1	2.6	26.7	4.1	4.9	5.5	4.7
27	Printing and publishing	1,525	.8	9.4	4.6	17.5	1.3	1.5	1.7	1.2
28	Chemicals and allied products	26,080	13.2	11.8	2.7	15.6	7.6	8.7	12.5	11.9
29	Petroleum and coal products	4,479	2.3	13.3	6.7	5.9	1.9	1.4	3.2	3.6
30	Rubber and plastics products	3,710	1.8	12.6	4.9	26.1	3.1	4.0	4.8	4.1
31	Leather and leather products	699	.3	15.0	4.4	32.2	1.8	3.8	5.7	7.3
(3)	Durables	139,207	69.7	10.7	2.5	14.8	7.4	10.0	13.0	10.8
34	Lumber and wood products	3,991	2.0	10.6	1.0	31.2	4.1	5.8	7.2	5.5
35	Furniture and fixtures	680	.3	15.5	2.6	18.1	.8	1.5	2.5	1.5
32	Stone, clay and glass products	2,045	1.0	9.3	.9	18.7	2.4	3.4	4.3	3.2
33	Primary metal industries	4,772	2.4	4.5	-8.9	32.7	2.6	3.0	5.0	3.6
34	Fabricated metal products	6,185	3.1	8.1	-1.3	11.6	3.9	5.6	6.8	4.5
35	Machinery, except electrical	41,654	20.7	10.2	1.1	12.9	14.9	19.5	23.3	20.1
36	Electrical and electronic equipment	24,399	12.3	13.7	5.8	19.3	6.7	10.6	12.7	10.6
37	Transportation equipment	42,371	21.4	11.6	5.4	11.6	9.2	11.6	15.6	12.5
38	Instruments and related products	10,191	5.1	11.7	4.1	10.3	12.6	16.6	17.4	16.5
39	Miscellaneous manufacturing industries	2,719	1.4	10.4	-9	30.7	7.6	9.4	9.5	9.3

X Not applicable. ¹ Standard Industrial Classification. ² See footnote 2, table 1282.

No. 1286. DOMESTIC EXPORTS FOR 28 LEADING 3-DIGIT SIC PRODUCT GROUPS: 1970 TO 1987

(See headline, table 1284. N.e.c.—Not elsewhere classified)

1977 SIC ¹ code	PRODUCT GROUP	1987		GROWTH RATE ² (percent)			EXPORT/SHIPMENTS RATIO (percent)			
		Value (mil. dol.)	Per- cent distribu- tion	1970- 1987	1980- 1987	1985- 1987	1972	1977	1982	1987
290	Petroleum and coal products	268	.2	11.3	-4.9	-5.6	47.0	48.5	59.3	65.6
281	Pulpmills	2,345	1.2	9.8	4.3	35.0	33.4	37.5	40.9	41.5
357	Office and computing machines	16,342	9.2	15.5	11.6	21.1	20.9	23.6	24.6	26.2
353	Construction and related machinery	5,799	2.9	6.9	9.0	7.7	24.0	26.5	36.8	26.6
372	Aircraft and parts	20,616	10.4	11.9	5.2	13.3	24.9	29.1	29.9	25.6
374	Railroad equipment	331	.2	6.5	-3.9	-36.4	9.0	7.3	14.7	24.7
355	Special industry machinery	2,324	1.2	7.5	2	21.5	19.5	24.6	27.7	22.6
352	Measuring and controlling devices	4,074	2.1	11.2	4.4	10.7	19.4	24.0	24.6	22.4
311	Leather tanning and finishing	391	.2	14.9	5.4	24.9	7.1	11.6	19.0	21.5
383	Optical instruments and lenses	1,121	.6	18.3	7.2	7.3	12.0	10.3	16.8	21.3
287	Agricultural chemicals	3,020	1.5	14.9	-2.6	15.2	9.8	12.1	21.0	21.2
281	Industrial inorganic chemicals	3,609	1.8	11.2	3.2	4.5	12.4	14.7	19.3	20.9
359	Miscellaneous electrical equipment	4,067	2.1	17.6	9.9	21.6	6.5	13.5	21.7	20.3
359	Machinery, except electrical	1,516	.8	26.3	9.7	21.1	1.5	2.2	16.3	20.3
351	Engines and turbines	2,980	1.5	9.9	-2.7	9.3	13.8	20.7	29.3	19.8
357	Electronic components and accessories	10,082	5.1	15.4	6.0	23.4	11.9	17.8	19.8	19.0
288	Industrial organic chemicals	8,165	4.1	12.3	3.6	18.8	11.2	11.6	17.0	19.0
341	Logging camps, log connectors	1,653	.8	9.2	.5	33.3	20.4	20.4	19.1	18.2
391	Jewelry, silverware, and plated ware	1,021	.5	11.3	.2	29.1	14.2	15.3	12.9	18.1
213	Chewing and smoking tobacco	223	.1	12.6	45.1	26.3	13.7	4.2	5.8	17.5
383	Musical instruments	171	.1	11.5	-3.3	49.2	8.2	14.6	16.7	16.7
281	Engineering and scientific instruments	715	.4	9.3	7.8	13.1	11.2	12.1	18.9	15.6
356	General industrial machinery	4,669	2.4	6.1	.6	7.8	15.0	19.6	18.4	15.4
386	Photographic equipment and supplies	2,333	1.2	10.3	-4	4.5	11.8	15.6	15.9	15.3
207	Fats and oils	2,240	1.1	5.6	-7.1	-1.5	15.0	17.2	18.6	15.2
348	Ordnance and accessories, n.e.c.	641	.3	5.7	-	-13.3	11.4	25.1	17.9	14.8
306	Fabricated rubber products, n.e.c.	86	-	19.6	17.3	12.3	2.4	3.6	8.1	12.7
352	Farm and garden machinery	1,343	.7	7.9	-6.3	11.9	9.8	14.4	15.3	12.5

- Represents zero. ¹ Standard Industrial Classification. ² See footnote 2, table 1282.

Source of tables 1284 and 1286: U.S. International Trade Administration, *Industry Outlook*, annual.

No. 1266. BEVERAGE INDUSTRY—SUMMARY: 1970 TO 1986

YEAR AND ITEM	Unit	Total	Malt beverage	Malt	Wine, brandy, spirits	Distilled liquor, exc. brandy	Soft drinks (bot- tled, canned)	Flavoring extracts, syrups
1970: Employees	1,000	228	57	2	9	21	129	11
Payroll	ML. dol.	1,884	616	19	71	171	916	91
Value added by manufacture	ML. dol.	6,144	2,026	58	256	667	2,121	792
Value of shipments	ML. dol.	12,373	3,822	210	591	1,759	4,631	1,361
1980: Employees	1,000	189	43	2	11	14	118	11
Payroll	ML. dol.	3,646	1,122	40	191	263	1,660	191
Value added by manufacture	ML. dol.	13,706	3,639	162	811	1,849	5,348	1,896
Value of shipments	ML. dol.	33,041	9,362	680	2,189	3,389	13,909	3,513
1984: Employees	1,000	186	39	2	12	11	110	11
Payroll	ML. dol.	4,460	1,314	45	274	298	2,263	277
Value added by manufacture	ML. dol.	18,296	5,394	182	1,081	1,695	7,142	2,625
Value of shipments	ML. dol.	41,181	11,898	567	2,695	3,406	18,052	4,574
1986: Employees	1,000	183	40	2	13	10	106	12
Payroll	ML. dol.	4,634	1,358	44	297	298	2,345	314
Value added by manufacture	ML. dol.	19,293	5,681	182	1,083	1,691	7,567	2,718
Value of shipments	ML. dol.	43,243	12,216	571	2,763	3,485	19,358	4,840
1986: Employees	1,000	172	34	2	13	10	102	11
Payroll	ML. dol.	4,549	1,255	41	318	261	2,348	325
Value added by manufacture	ML. dol.	20,952	6,185	183	1,234	1,845	8,215	3,310
Value of shipments	ML. dol.	45,567	12,676	536	3,163	3,504	20,667	5,017

Source: U.S. Bureau of the Census, *Annual Survey of Manufactures and Census of Manufactures, 1982*.

No. 1267. ALCOHOLIC BEVERAGES—SUMMARY: 1970 TO 1987

(For fiscal years ending in year shown; see text, section 9. Includes Puerto Rico. Excludes imports. See *Historical Statistics, Colonial Times to 1970*, series P 235 for beer production, and P 235a for distilled spirits.)

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Beer: Breweries operated	Number	154	117	86	92	92	92	96	103	103	120
Production	ML. bbl. ¹	135	158	193	195	194	196	193	194	194	196
Imports (incl. ale etc.) ²	ML. bbl. ¹	(NA)	1.7	4.6	5.2	5.8	6.3	7.2	7.9	8.8	9.4
Value of shipments (SIC 2082) ³	ML. dol.	3,822	5,541	9,392	10,179	11,183	11,796	11,696	12,216	12,676	(NA)
Tax-paid withdrawals	ML. bbl. ¹	123	147	172	177	178	176	176	175	177	178
Stocks on hand, June 30	ML. bbl. ¹	15	14	15	14	14	15	14	14	14	14
Per capita consumption ⁴	Gallons	28.6	32.6	34.9	35.6	33.4	33.0	32.6	(NA)	(NA)	(NA)
Of domestic output	Gallons	28.4	32.4	34.0	34.5	32.0	31.7	31.5	(NA)	(NA)	(NA)
Distilled spirits:											
Production facilities operated	Number	140	115	143	114	121	121	112	117	117	102
Warehouses operated	Number	274	241	200	198	202	193	202	214	216	211
Production, total ⁵	ML. tax gal. ⁶	356	278	256	259	217	181	134	117	102	90
Whisky	ML. tax gal. ⁶	180	50	87	90	96	80	77	65	54	45
Imports ⁷	ML. tax gal. ⁶	90.9	113.5	90.7	117.9	106.0	116.4	117.7	115.8	107.6	102.5
Tax-paid withdrawals, total ⁸	ML. tax gal. ⁶	286	295	330	321	312	306	301	306	296	271
Whisky	ML. tax gal. ⁶	112	137	42	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Stocks on hand, June 30, total ⁹	ML. tax gal. ⁶	1,091	836	606	691	654	640	636	568	546	508
Whisky	ML. tax gal. ⁶	980	780	596	544	540	523	490	467	445	409
Bottled for consumption, total	ML. wine gal. ¹⁰	312	357	392	388	375	377	366	371	326	337
Whisky	ML. wine gal. ¹⁰	192	182	195	162	153	154	142	136	121	119
Per capita ⁴	Wine gal. ¹¹	2.61	2.49	2.80	2.84	2.82	2.71	2.83	(NA)	(NA)	(NA)
Of domestic output	Wine gal. ¹¹	1.91	1.75	2.00	2.02	1.80	1.79	1.80	(NA)	(NA)	(NA)
Still wines: Production ⁹	ML. wine gal. ¹⁰	713	762	982	901	548	613	684	622	667	677
Imports ⁷	ML. wine gal. ¹⁰	22.1	40.3	90.7	101.1	107.5	58.6	58.8	57.9	60.3	52.9
Tax-paid withdrawals ¹²	ML. wine gal. ¹⁰	204	267	340	363	366	367	376	414	441	451
Stocks on hand, June 30 ¹¹	ML. wine gal. ¹⁰	207	325	486	602	519	596	577	602	601	616
Per capita ⁴	Wine gal. ¹¹	1.70	2.20	2.65	2.68	2.81	2.82	2.83	(NA)	(NA)	(NA)
Of domestic output	Wine gal. ¹¹	1.52	1.96	2.02	2.02	2.14	2.10	2.08	(NA)	(NA)	(NA)
Effervescent wines: ¹²											
Production	ML. wine gal. ¹⁰	20.0	18.0	26.8	31.2	30.6	36.8	34.6	32.0	32.1	29.2
Imports ⁷	ML. wine gal. ¹⁰	2.0	2.1	5.2	7.9	8.7	11.4	15.7	16.0	14.7	14.1
Tax-paid withdrawals	ML. wine gal. ¹⁰	17.1	1.6	24.1	27.0	26.5	31.7	31.9	30.9	31.4	31.2
Stocks on hand, June 30	ML. wine gal. ¹⁰	6.1	9.0	11.9	14.4	17.6	21.6	20.5	21.3	19.3	16.7
Per capita ⁴	Wine gal. ¹¹	15	13	17	19	22	22	21	(NA)	(NA)	(NA)
Of domestic output	Wine gal. ¹¹	13	12	12	14	17	17	17	(NA)	(NA)	(NA)

NA. Not available. ¹ Barrels of 31 wine gallons (see footnote 7). ² Source: U.S. Bureau of the Census, *Imports for Consumption, General Imports*, FT 246. ³ Source: U.S. Bureau of the Census, *Census of Manufactures, 1977 and 1982*, and *Annual Survey of Manufactures*. ⁴ Source: U.S. Dept. of Commerce, International Trade Administration. Based on U.S. Bureau of the Census estimated population 16 years old and over, as of July 1, including Armed Forces abroad. ⁵ Excludes alcohol produced for industrial use. ⁶ A tax gallon for spirits of 100 proof or over is equivalent to the proof gallon; for spirits of less than 100 proof to the wine gallon. (See footnote 8.) A proof gallon is the alcoholic equivalent of a U.S. gallon at 60°F. containing 50 percent of ethyl alcohol by volume. ⁷ Includes ethyl alcohol. ⁸ A wine gallon is the U.S. gallon equivalent to the volume of 231 cubic inches. ⁹ Production represents total amount removed from fermenters, including distilling material, and includes increase after fermentation (by amelioration, sweetening, and addition of wine spirits). In 1975, 359 million gallons of distilling materials were produced, 1980, 164 ml. gal., 1981, 264 ml. gal., 1982, 136 ml. gal., 1983, 223 ml. gal., 1984, 189 ml. gal., 1985, 148 ml. gal., 1986, 148 ml. gal., 1987, 155 ml. gal. ¹⁰ Includes special natural wines. ¹¹ Excludes distilling materials. ¹² Includes champagne, other effervescent wines, and artificially carbonated wines.

Source: Except as noted, U.S. Bureau of Alcohol, Tobacco, and Firearms, *Alcohol and Tobacco Summary Statistics*, annual.

No. 1288. FOOD MANUFACTURING INDUSTRY—SUMMARY: 1970 TO 1987

[Covers manufacturers of food and kindred products (Standard Industrial Classification Code 20); based on various editions of the Standard Industrial Classification Manual, see text, section 13]

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Total employees ¹	1,000	1,786	1,858	1,708	1,671	1,836	1,815	1,812	1,803	809	1,624
Production workers	1,000	1,287	1,120	1,175	1,150	1,126	1,114	1,120	1,118	131	1,148
Avg. hourly earnings, prod. workers	Dollars	3.16	4.61	6.85	7.44	7.92	8.19	8.39	8.57	8.75	8.94
Salaries and wages	Bil. dol	11.7	15.9	23.2	24.7	28.1	28.6	27.4	28.1	28.6	(NA)
Value added by manufacture ²	Bil. dol	32.3	48.1	75.5	80.8	88.4	93.4	98.0	104.1	112.2	(NA)
Value of shipments ³	Bil. dol	98.5	172.2	258.2	272.1	280.5	267.1	300.0	301.6	308.5	(NA)
Total assets	Bil. dol	23.8	33.0	48.8	48.8	58.6	61.5	64.6	69.6	(NA)	(NA)
Capital expenditures, new ⁴	Bil. dol	2.1	3.4	5.8	6.0	6.7	5.8	6.4	7.0	7.0	(NA)
Corporate profits before taxes ⁵	Bil. dol	4.8	8.8	13.0	14.3	13.3	14.8	15.5	20.9	21.1	24.0
Corporate profits after taxes ⁵	Bil. dol	2.6	5.2	8.2	9.1	8.4	9.4	8.8	12.8	13.3	15.6
Ratio of profits to stockholders' equity ⁶	Percent	10.8	14.4	14.7	14.0	13.0	12.2	13.3	15.3	16.2	17.4
Profits per dollar of sales ⁶	Cents	2.5	9.2	3.4	3.2	3.1	3.3	3.3	4.1	4.2	4.6

NA: Not available. ¹ Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly. ² See footnote 7, table 1284. ³ See footnote 8, table 1284. ⁴ Includes expenditures for plants in operation and plants under construction but not yet in operation. ⁵ Source: Through 1981 U.S. Federal Trade Commission, thereafter U.S. Bureau of the Census, *Quarterly Financial Report for Manufacturing, Mining and Trade Corporations*. Data are not necessarily comparable from year to year due to changes in accounting procedures, industry classifications, sampling procedures, etc.; for detail, see source. ⁶ Return on equity and after tax profit rates are averages of quarterly figures at annual rates.

Source: Except as noted, U.S. Bureau of the Census, 1982 *Census of Manufactures*, and *Annual Survey of Manufactures*.

No. 1289. TOBACCO MANUFACTURES INDUSTRY—SUMMARY: 1972 TO 1986

[In millions of dollars, except as indicated. Represents Standard Industrial Classification Code 21. Includes cigarettes, cigars, chewing and smoking tobacco, and tobacco stemming and redrying]

ITEM	1972 Census	1977 Census	1980 ASM	1981 ASM	1982 Census	1983 ASM	1984 ASM	1985 ASM	1986 ASM
All employees:									
Number (1,000)	88.3	80.8	58.0	61.1	57.9	54.8	51.7	49.2	46.1
Payroll	502	751	1,045	1,219	1,324	1,355	1,354	1,389	1,380
Value added by manufacture	2,837	4,334	6,146	6,430	8,985	9,842	10,787	11,894	12,725
Cost of materials	3,281	4,730	6,081	6,081	7,088	8,541	8,883	8,826	8,341
Value of shipments	5,820	9,051	12,195	13,130	16,061	16,252	17,440	18,507	19,073
New capital expenditures	133	182	367	728	697	649	670	689	650

Source: U.S. Bureau of the Census, *Census of Manufactures*, 1972, 1977, and 1982; and *Annual Survey of Manufactures*.

No. 1290. TOBACCO PRODUCTS—PRODUCTION AND CONSUMPTION: 1970 TO 1987

[Production data are for years ending June 30. Excludes cigars produced in customs bonded manufacturing warehouses. See also *Historical Statistics, Colonial Times to 1970*, series P 238-241]

ITEM	Unit	1970	1975	1976	1979	1980	1981	1982	1983	1984	1985	1986	1987
Production:													
Cigarettes ¹	Billions	582	627	686	707	702	744	711	686	657	665	682	678
Cigars ¹	Billions	8.0	8.3	5.6	5.1	4.9	5.0	4.5	4.3	4.5	4.2	3.8	3.5
Tobacco ²	Mt. lb	164	155	156	156	183	182	180	159	159	155	144	130
Per capita consumption: ³													
All products	Lb. ⁴	9.8	9.1	8.1	8.3	8.0	7.8	7.5	7.2	6.9	6.8	6.7	6.4
Cigarettes	1,000	4.0	4.1	4.0	3.9	3.8	3.8	3.7	3.5	3.5	3.4	3.3	3.2
Cigars ⁵	Number	60	39	30	27	25	23	22	22	20	18	17	15
Tobacco ⁶	Lb. ⁴	63	72	68	69	69	64	65	64	63	61	76	67

¹ Large and small. Source: U.S. Bureau of Alcohol, Tobacco, and Firearms. ² Smoking and chewing tobacco and snuff. Source: U.S. Dept. of Agriculture, Agricultural Marketing Service, *Manufacture and Sales of Snuff, Smoking, and Chewing Tobacco*, quarterly. ³ Based on U.S. Bureau of the Census estimated population 18 years old and over, as of July 1, including Armed Forces abroad. ⁴ Unstamped processing weight equivalent. ⁵ Weighing over 3 pounds per 1,000.

Source: Except as noted, U.S. Dept. of Agriculture, Economic Research Service, *Tobacco Situation*, quarterly.

No. 1291. MILL CONSUMPTION OF NATURAL FIBERS: 1970 TO 1987

[In million of pounds. See *Historical Statistics, Colonial Times to 1970*, series P 229 and P 230, for wool and silk]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987, prel
Cotton, total ¹	3,854	3,027	3,170	3,041	3,077	3,036	2,715	2,488	2,808	2,716	2,813	3,256	3,784
Wool, total ²	240	110	108	115	117	123	139	116	141	142	117	137	143
Flax, total	6	3	3	4	5	2	4	6	5	6	4	4	3
Silk, total	2	1	2	2	2	1	2	2	2	1	1	1	1

¹ Reported by U.S. Bureau of the Census. For American cotton, tare as reported by Crop Reporting Board is deducted. For foreign cotton, 20 pounds deducted. ² Reported by U.S. Bureau of the Census. Excludes consumption in cotton and other spinning systems and consumption in baling and felt manufacture.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Cotton and Wool Outlook and Situation*, April 1987.

No. 1292. COTTON, WOOL, AND MANMADE FIBERS—QUANTITY AND DISTRIBUTION IN SELECTED CONSUMER PRODUCTS: 1980 TO 1986

[Represents products manufactured by U.S. mills. Excludes textile glass]

END-USE AND YEAR	Total (mil. lb.)	COTTON		WOOL		MAN-MADE FIBERS					
		Total (mil. lb.)	Per- cent end- use	Total (mil. lb.)	Per- cent end- use	Total (mil. lb.)	Per- cent end- use	Cellulosic ¹		Non-cellulosic ²	
								Total (mil. lb.)	Per- cent end- use	Total (lb.)	Per- cent end- use
Total:											
1980.....	11,205	3,125	27.9	167	1.5	7,913	70.6	746	6.7	7,165	63.9
1981.....	10,812	2,910	26.9	195	1.8	7,707	71.3	725	6.7	6,982	64.6
1982.....	9,643	2,724	26.2	170	1.8	6,749	70.0	532	5.5	6,217	64.5
1983.....	11,220	2,933	26.1	204	1.8	8,083	72.1	576	5.2	7,507	66.9
1984.....	11,298	3,056	27.1	231	2.0	8,011	70.9	577	5.1	7,434	65.8
1985.....	11,532	3,182	27.6	194	1.7	8,156	70.7	542	4.7	7,614	66.0
1986.....	12,640	3,661	29.0	216	1.7	8,763	69.3	606	4.8	8,157	64.5
Apparel:											
1980.....	4,696	1,652	35.2	125	2.7	2,919	62.1	297	6.3	2,622	55.8
1981.....	4,431	1,595	36.0	149	3.4	2,667	60.6	311	7.0	2,376	53.6
1982.....	4,027	1,557	38.6	127	3.2	2,343	58.2	213	5.3	2,130	52.9
1983.....	4,565	1,646	36.1	153	3.4	2,766	60.6	228	5.0	2,538	55.5
1984.....	4,369	1,718	39.1	171	3.9	2,500	57.0	239	5.5	2,261	51.5
1985.....	4,318	1,602	41.7	141	3.3	2,375	55.0	208	4.8	2,167	50.2
1986.....	4,920	2,125	43.2	158	3.2	2,637	53.6	250	5.1	2,387	48.5
Home furnishings:											
1980.....	1,717	787	45.8	15	.9	915	53.3	169	9.9	746	43.4
1981.....	1,672	733	43.8	17	1.0	922	55.2	155	9.3	767	45.9
1982.....	1,425	665	46.7	16	1.1	744	52.2	104	7.3	640	44.9
1983.....	1,730	798	46.1	19	1.1	913	52.6	134	7.7	779	45.1
1984.....	1,837	863	47.0	21	1.1	953	51.9	134	7.3	819	44.6
1985.....	1,884	893	47.9	18	1.0	953	51.1	125	6.7	828	44.4
1986.....	1,919	1,012	52.8	18	.9	889	46.3	131	6.8	758	39.5
Floor coverings:											
1980.....	1,926	15	.8	10	.5	1,901	96.7	-	-	1,901	96.7
1981.....	1,838	12	.7	12	.6	1,814	96.7	1	.1	1,813	96.6
1982.....	1,711	10	.6	11	.6	1,690	96.8	1	.1	1,689	96.7
1983.....	2,207	14	.6	13	.6	2,180	96.8	1	.1	2,179	96.7
1984.....	2,267	14	.6	14	.6	2,259	96.8	1	.1	2,258	96.7
1985.....	2,566	18	.7	12	.5	2,538	96.8	1	-	2,537	96.8
1986.....	2,803	20	.7	16	.6	2,767	96.7	2	.1	2,765	96.6
Exports of domestic products:											
1980.....	617	259	42.0	6	1.0	352	57.0	31	5.0	321	52.0
1981.....	490	166	33.9	5	1.0	319	65.1	26	5.7	291	59.4
1982.....	339	115	33.9	6	1.8	218	64.3	19	5.6	199	58.7
1983.....	264	93	32.7	5	1.8	186	65.5	17	6.0	169	59.5
1984.....	280	85	30.4	4	1.4	191	68.2	16	5.7	175	62.5
1985.....	328	106	32.9	10	3.0	210	64.1	16	4.9	194	59.1
1986.....	384	143	37.3	9	2.3	232	60.4	19	4.9	213	55.5
Industrial: ³											
1980.....	2,249	412	16.3	11	.5	1,826	81.2	251	11.2	1,575	70.0
1981.....	2,381	404	17.0	12	.5	1,965	82.5	230	9.7	1,735	72.8
1982.....	2,141	377	17.6	10	.5	1,754	81.9	195	9.1	1,559	72.8
1983.....	2,434	382	15.7	14	.6	2,038	83.7	198	8.1	1,842	75.6
1984.....	2,505	376	15.0	21	.8	2,108	84.2	187	7.5	1,921	76.7
1985.....	2,454	361	14.7	13	.5	2,080	84.8	192	7.9	1,888	76.9
1986.....	2,614	361	13.8	15	.6	2,236	85.6	204	7.8	2,034	77.8

- Represents zero. ¹ Rayon and acetate. ² Nylon, polyester, acrylic, olefin, except as noted. ³ Includes consumer-type products.

Source: Textile Economics Bureau, Inc., Roseland, NJ, *Textile Organon*, monthly. (Copyright.)

No. 1293. U.S. EXPORTS AND IMPORTS OF TEXTILES AND APPAREL PRODUCTS: 1980 TO 1987

[In millions of dollars. Excludes glass fibers, linoleum, rubber and leather apparel and clothing donated for charity. Minus sign (-) indicates deficit]

PRODUCT	1986	1986	1987	PRODUCT	1986	1986	1987
Exports.....	4,458	2,712	3,619	Imports.....	8,139	18,309	24,812
Textile mill products.....	3,457	2,112	2,671	Textile mill products.....	2,372	4,714	6,229
Yarn and thread.....	642	569	526	Yarn and thread.....	188	506	679
Cotton broad woven fabric.....	546	203	292	Cotton broad woven fabric.....	433	837	1,293
Other broad woven and knit fabric.....	809	477	579	Other broad woven and knit fabric.....	784	1,353	1,564
Narrow fabric.....	106	160	174	Narrow fabric.....	43	93	141
Special fabric.....	709	284	570	Special fabric.....	299	361	470
Made-up articles.....	318	222	283	Made-up articles.....	382	1,019	1,365
Textile floor coverings.....	327	197	247	Textile floor coverings.....	263	545	697
Apparel.....	1,001	600	948	Apparel.....	5,767	13,595	18,583
				Trade balance.....	-3,681	-15,587	-21,193

Source: U.S. Bureau of the Census, *U.S. General Imports, Schedule A Commodity by Country*, Report FT135, and *U.S. Exports, Schedule E Commodity by Country*, Report FT410, monthly.

No. 1294. MALE AND FEMALE CLOTHING—PRODUCTION: 1980 TO 1987

(In millions of units, except as indicated. See also *Historical Statistics, Colonial Times to 1970*, series P 242 and 243)

ITEM	1980	1984	1985	1986	1987	ITEM	1980	1984	1985	1986	1987
MALE CLOTHING						FEMALE CLOTHING					
Men's suits	14.6	12.5	10.8	10.8	10.8	Blouses ⁴ and shirts (mil. doz.)	25.6	22.0	21.3	21.5	19.7
Boys' suits ¹	3.4	2.9	2.5	2.0	2.5	Dresses	176	162	151	133.4	131.9
Separate trousers (women's)	125.1	123.0	116.5	113.8	110.1	Suits ²	17.6	17.3	12.3	10.8	8.5
Separate coats ²	17.9	22.3	20.6	20.8	18.9	Slacks	159.8	162.0	160.1	133.4	128.0
Woven shirts, men's ³ (mil. doz.)	19.1	11.2	12.7	12.5	11.4	Jeans	98.2	98.9		92.7	87.4
Casual slacks	68.0	54.7	49.8	42.7	42.8	Skirts	98.9	97.5	95.4	98.9	104.7
Jeans	242.7	202.1	210.5	219.3	208.4	Coats	17.0	11.9	10.7	11.2	11.2
Work shirts (incl. flannels) (mil. doz.)	3.6	3.6	3.5	3.4	2.5	Knit outerwear					
						Sweaters (mil. doz.)	4.1	6.6	7.8	8.3	5.3
						Sport shirts ³ (mil. doz.)	10.0	13.5	9.6	7.9	8.1

¹ Includes uniform suits and coats. ² Includes men's and boys' coats. ³ Includes knit and woven dress and woven sport.⁴ Includes only woven blouses. ⁵ Includes pant suits. ⁶ Includes blouses.Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA23A.

No. 1295. NONRUBBER FOOTWEAR—SUMMARY: 1970 TO 1986

(In millions of pairs, except as indicated. See *Historical Statistics, Colonial Times to 1970*, series P 260-261, for men's and women's shoes)

ITEM	1970 ¹	1975	1976	1977	1980	1981	1982	1983	1984	1985	1986, (prel.)
Apparent consumption	861.7	727.9	767.7	793.4	734.5	729.8	829.7	911.9	1,099.1	1,096.4	1,198.7
Production, shoes and slippers	562.3	413.1	418.9	398.9	396.3	372.0	359.1	339.2	303.2	265.1	240.9
Percent exported	4	11	1.5	2.3	3.3	3.0	2.5	2.2	2.9	4.3	5.2
Value (bil. dol.)	2.9	3.1	3.8	4.3	4.7	4.5	4.8	4.8	4.0	4.0	3.8
Shoes, sandals, playshoes (production) ¹	480.8	339.1	335.6	320.6	323.5	302.2	305.1	281.5	243.8	210.4	185.0
Imports	241.5	316.4	375.7	409.6	361.0	399.0	479.5	580.2	725.9	842.6	940.4
Percent of total consumption	30.1	43.9	47.7	50.9	49.1	50.6	57.8	63.6	71.1	78.9	80.5

¹ Beginning 1980, includes items not shown separately.Source: U.S. Bureau of the Census, *Current Industrial Reports*, series M31A.

No. 1296. CHEMICALS AND ALLIED PRODUCTS—INDUSTRY SUMMARY: 1972 TO 1986

(In millions of dollars, except as noted)

ITEM	1972	1975	1977	1980	1981	1982	1983	1984	1985	1986
Employment, total (1,000)	837	842	980	910	892	873	851	843	826	802
Salaries and wages	8,731	11,227	13,839	18,289	18,723	20,836	21,411	22,885	23,345	23,711
Production workers (1,000)	525	510	544	545	533	509	498	481	476	458
Work-hours (million)	1,054	1,001	1,080	1,080	1,057	1,004	981	979	951	929
Value added	32,414	44,976	56,721	74,384	80,032	77,315	85,473	84,729	95,258	100,013
Value of shipments ¹	57,350	69,721	118,154	162,517	180,459	170,737	183,208	198,233	197,311	197,091
Assets, total	38,612	50,565	65,300	82,112	95,789	95,125	102,226	108,331	111,945	(NA)
Rents, total	289	453	513	597	659	644	734	779	767	(NA)
Export value ²	4,183	8,855	10,700	21,569	21,970	20,388	20,088	22,828	21,797	22,562
Import value ²	1,749	3,098	4,414	6,977	7,772	7,572	9,314	11,910	12,708	13,191

NA: Not available. ¹ Value of products and services sold by 28 group industries. ² Source: U.S. International Trade Administration, *U.S. Industrial Outlook*, annual.Source: Except as noted, U.S. Bureau of the Census, *Census of Manufactures, 1972, 1977, and 1982*; and *Annual Survey of Manufactures*.

No. 1297. RUBBER—NEW SUPPLY, DISTRIBUTION, AND STOCKS: 1970 TO 1987

(In thousands of long tons. Natural rubber refers to dry weights of all types, including liquid latex, guayule, etc. Synthetic comprises SBR (including weight of oil content), neoprene, butyl, butadiene-acrylonitrile, polyisobutylene, chlorosulfonated polyethylene, and polysulfide, silicone, acrylic, styrene, and fluorocarbon rubbers. Reclaimed comprises both natural and synthetic)

ITEM	1970	1975	1976	1977	1980	1981	1982	1983	1984	1985	1986	1987
New supply	3,042	2,828	3,772	3,616	3,137	3,147	2,649	2,828	3,306	3,957	(NA)	(NA)
Domestic production ¹	2,389	2,077	2,830	2,889	2,294	2,277	1,981	2,030	2,348	1,960	2,140	2,284
Synthetic	2,197	1,954	2,705	2,784	2,209	2,190	1,799	1,856	2,177	1,832	2,083	2,251
Imports ²	644	748	943	927	843	870	798	996	1,080	1,084	(NA)	(NA)
Natural	560	658	771	786	650	700	640	788	793	779	(NA)	(NA)
Exports ¹	334	399	382	437	484	495	399	334	392	346	338	399
Synthetic	389	228	294	416	472	536	325	389	376	343	387	508
Stocks, end of year ¹	646	338	996	379	379	399	339	338	346	344	395	279

NA: Not available. ¹ Includes reclaimed and synthetic. ² Natural, synthetic and reclaimed.Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA-38A.

No. 1296. IRON AND STEEL INDUSTRY—SUMMARY: 1975 TO 1987

[The universe for financial data for 1982 represents companies who produced 82 percent of the reported raw steel production. The financial data represents the operations of the steel segment of companies. Minus sign (-) indicates net loss]

ITEM	Unit	1975	1976	1980	1981	1982	1983	1984	1985	1986	1987
Steel mill products, apparent supply	Mil. tons ¹	89.0	115.0	95.2	105.4	78.4	83.5	88.9	96.4	90.0	95.9
Net shipments	Mil. tons ¹	80.0	100.3	83.9	88.5	61.6	67.6	73.7	79.0	70.3	76.7
Exports	Mil. tons ¹	3.0	2.8	4.1	2.9	1.8	1.2	1.0	1.0	1.0	1.1
Imports	Mil. tons ¹	12.0	17.5	15.5	19.9	18.7	17.1	28.2	24.3	20.7	20.4
Percent of total supply	Percent	13.5	15.2	16.3	18.9	21.8	20.5	28.4	25.2	23.0	21.3
Japan	Percent	6.6	5.5	8.3	5.9	6.8	5.1	6.7	6.2	4.9	4.5
EEC ²	Percent	4.6	4.7	4.1	5.1	7.3	4.9	6.4	7.2	7.3	6.0
Canada	Percent	1.1	2.0	2.5	2.7	2.4	2.9	3.2	3.0	3.6	3.8
Scrap consumed	Mil. tons ¹	82.8	77.2	88.6	88.3	43.7	49.0	51.8	53.2	49.7	51.2
Scrap inventory	Mil. tons ¹	7.6	7.4	6.9	7.1	5.5	5.0	4.4	4.0	3.4	3.8
Iron and steel products: Exports	Mil. tons ¹	4.1	3.8	5.1	3.8	2.6	1.8	1.7	1.6	1.5	1.7
Imports	Mil. tons ¹	13.9	20.3	17.9	22.6	18.8	19.3	29.5	27.6	24.2	23.8
Revenue	Bil. dol.		40.8	37.7	43.8	28.7	25.0	30.3	28.4	25.0	26.9
Net income	Bil. dol.		8	7	17	3.4	-2.2	-(2)	1.8	4.1	1.0
Stockholders' equity	Bil. dol.		14.3	14.6	15.4	11.3	8.2	9.4	6.9	2.4	2.9
Total assets	Bil. dol.		29.3	30.8	31.7	27.9	25.5	26.2	24.0	21.0	21.9
Net fixed assets	Bil. dol.		16.6	17.7	18.2	17.8	15.9	16.8	15.7	13.4	13.0
Capital expenditures	Bil. dol.		2.5	2.7	2.4	2.3	1.9	1.2	1.6	9	1.2
Working capital ratio ³	Ratio		1.7	1.6	1.7	1.5	1.3	1.4	1.3	1.6	1.5
Inventories	Bil. dol.		5.0	4.7	5.4	4.0	3.3	4.2	3.5	3.0	3.2
Average employment	1,000	457	483	399	391	289	243	236	208	175	163
Hours worked	Million	655	694	758	753	528	475	474	419	356	354
Index of output, all employees ⁴	1977=100	93	107	103	112	91	116	131	139	142	149
Capacity by steelmaking process	Mil. net tons	153.1	155.3	153.7	154.3	154.0	150.8	135.3	133.8	127.9	112.2

NA Not available. ² Less than \$50 million. ¹ In millions of short tons. ³ European Economic Community, includes Belgium, Denmark, France, West Germany, Ireland, Italy, Luxembourg, The Netherlands, and the United Kingdom, Spain and Portugal in 1986 and 1987. ⁴ Current assets to current liabilities. ⁵ Index of output per employee hour.

Source: American Iron and Steel Institute, Washington, DC, *Annual Statistical Report* (Copyright.)

No. 1299. MILL AND FOUNDRY PRODUCTS—SHIPMENTS: 1970 TO 1987

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Ferrous castings (1,000 sh. tons):¹										
Gray iron castings ^{2,3}	13,945	13,326	11,789	11,801	8,216	9,247	10,520	8,701	8,820	8,806
Pressure pipe and fittings	1,891	1,380	1,388	1,248	1,100	1,288	1,538	1,535	1,893	1,719
Soil pipe and fittings	953	449	375	410	353	388	393	376	373	378
All other	11,301	11,488	10,028	10,142	6,782	6,049	6,589	6,780	6,584	6,509
Malleable iron castings ²	652	770	480	422	284	291	380	376	320	316
For sale	521	484	208	200	119	98	180	186	154	166
For own use	331	286	244	222	165	193	200	178	166	150
Standard malleable	628	534	312	291	191	191	241	233	185	205
Pearlitic malleable	224	236	138	129	94	100	139	143	135	113
Steel castings ^{2,3}	1,724	2,028	1,878	1,743	1,017	729	840	838	826	830
Carbon	1,147	1,758	1,225	1,102	809	420	561	573	507	482
Alloy	577	268	653	641	408	309	358	366	232	338
Nonferrous castings (1,000 sh. tons):^{2,3}										
Copper and copper-base alloy	391	316	285	283	222	249	252	235	238	(NA)
Aluminum and aluminum-base alloy	771	728	845	910	803	849	1,118	1,114	1,138	(NA)
Zinc and zinc-base alloy	398	356	243	238	208	245	272	265	248	(NA)
Magnesium and magnesium-base alloy	18	18	13	11	9	13	14	12	20	(NA)
Lead and lead-base alloy die ⁴	28	21	23	18	19	25	25	23	25	(NA)
Copper-based products (mil. lb.):										
Brass mill products	5,824	4,718	5,898	5,868	4,774	4,827	5,283	4,887	4,888	(NA)
Alloyed ⁵	2,513	2,026	2,467	2,622	2,014	2,116	2,717	2,383	2,318	(NA)
Unalloyed	1,542	1,324	1,508	1,686	1,247	1,245	1,661	1,368	1,369	(NA)
Copper wire mill products ⁶	971	701	959	827	787	871	1,058	897	959	(NA)
Brass and bronze foundry products	2,328	2,056	2,783	2,767	2,318	2,213	2,062	1,824	1,792	(NA)
Aluminum mill products (mil. lb.):⁷										
Plate, sheet, and coil	7,388	7,427	18,486	10,329	9,116	10,824	11,078	11,082	11,418	12,234
Extruded shapes and tubing	4,247	4,864	8,892	6,829	6,080	7,171	7,195	7,255	7,490	8,245
Rolled structural shapes, rod, bar, cable ⁸	1,823	1,843	2,329	2,104	1,961	1,980	2,583	2,704	2,944	2,978
Powder, flake and paste	853	924	1,213	1,150	862	938	995	787	744	783
Forgings and impacts	205	99	117	108	80	79	98	107	95	82
	120	97	134	139	* 152	173	* 204	149	144	158

NA Not available. ¹ Based on a sample of foundries. ² Includes shipments "for own use." ³ Includes ductile (nodular) iron castings. ⁴ Excludes lead die castings for battery plates and parts. ⁵ Excludes webbing scrap (military ammunition cups and discs). ⁶ Copper content. ⁷ Producers' net shipments consist of total shipments less shipments to other metal mills for further fabrication into other forms of mill products. ⁸ Includes wire. ⁹ Includes welded tubes.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series M33-2, M33A, M33E, and U.S. Bureau of the Census and U.S. International Trade Administration, *Current Industrial Reports*, series ITA-9008, annual.

No. 1300. RAW STEEL, PIG IRON AND FERROALLOYS PRODUCTION: 1970 TO 1987

[In millions, except percent. See also *Historical Statistics, Colonial Times to 1970*, series P 265-269]

ITEM	1970	1975	1976	1979	1980	1981	1982	1985	1984	1986	1986	1987
RAW STEEL (net tons)												
World production.....	654.2	712.0	790.6	624.5	780.4	779.4	710.7	730.9	782.2	791.6	788.9	812.6
U.S. production.....	131.5	116.6	137.0	136.3	111.8	120.6	74.6	64.6	92.5	86.3	81.6	66.2
Percent of world.....	20.1	16.4	17.3	16.5	14.2	15.5	10.5	11.6	11.8	11.1	10.3	11.0
Basic oxygen process.....	63.3	71.6	83.5	63.3	67.6	73.2	45.3	52.1	52.8	51.9	47.9	51.9
Electric.....	20.2	22.7	32.2	33.9	31.2	34.1	23.2	26.6	31.4	29.9	30.4	28.1
Open hearth.....	48.0	22.2	21.3	19.1	13.0	13.5	6.1	5.9	6.3	6.4	3.3	(P)
Carbon.....	117.4	100.4	116.9	116.2	94.7	101.5	84.1	73.8	79.9	78.7	71.4	67.5
Alloy and stainless.....	14.1	16.3	20.1	20.1	17.1	19.3	10.5	10.6	12.6	11.6	10.2	12.5
Pig iron and ferroalloys, production (sh. tons) ¹	83.5	79.9	87.7	87.0	66.7	73.6	43.3	48.7	51.9	50.4	44.0	46.4

¹ Includes open hearth. ² Included in basic oxygen process. ³ Beginning 1975, includes blast furnace ferroalloys.

No. 1301. STEEL PRODUCTS—NET SHIPMENTS, BY MARKET CLASSES: 1970 TO 1987

[In thousands of short tons. Comprises carbon, alloy, and stainless steel. "N.e.c." means not elsewhere classified]

MARKET CLASS	1970	1975	1980	1982	1983	1984	1985	1986	1987
Total ¹	90,798	79,867	83,863	81,567	67,863	73,736	73,043	70,263	76,854
Automotive.....	14,475	15,214	12,124	9,288	12,320	12,862	12,950	11,889	11,343
Steel service centers, distributors.....	16,025	12,700	16,172	13,067	16,710	16,364	18,439	17,478	18,840
Construction, incl. maintenance.....	8,913	8,119	8,742	6,263	7,271	7,522	7,900	7,336	7,861
Containers, packaging, shipping.....	7,775	6,053	5,551	4,470	4,532	4,352	4,089	4,113	4,372
Machinery, industrial equipment, tools.....	5,169	5,173	4,543	2,584	2,464	2,886	2,271	2,076	2,277
Steel for converting and processing.....	3,443	3,256	4,117	3,222	4,403	5,136	5,464	5,635	7,195
Rail transportation.....	3,096	3,152	3,155	1,020	937	1,438	1,061	796	756
Contractors' products.....	4,440	3,927	3,148	2,267	2,703	2,631	3,330	3,278	3,337
Oil and gas industries.....	3,550	4,171	5,371	2,745	1,296	2,003	2,044	1,023	1,489
Electrical equipment.....	2,664	2,173	2,441	2,003	2,337	2,366	1,899	2,113	2,373
Appliances, utensils, and cutlery.....	2,160	1,653	1,725	1,337	1,618	1,635	1,466	1,648	1,633

¹ Includes other classes not shown and nonclassified shipments.Source of tables 1300 and 1301 American Iron and Steel Institute, Washington, DC, *Annual Statistical Report* (Copyright.)

No. 1302. MACHINE TOOL ORDERS AND SHIPMENTS: 1970 TO 1987

[In millions of dollars. These data represent total industry volume based on reports from members of the National Machine Tool Builders' Association. The reporting companies produce about 90 percent of the U.S. machine tool output]

YEAR	METAL CUTTING TYPE TOOLS					METAL FORMING TYPE TOOLS				
	New orders (net)		Shipments		Order back-log, end of period	New orders (net)		Shipments		Order back-log, end of period
	Total	Domestic	Total	Domestic		Total	Domestic	Total	Domestic	
1970.....	661	507	989	827	471	261	227	450	412	235
1975.....	916	781	1,679	1,546	1,062	361	213	573	485	219
1977.....	2,202	1,861	1,651	1,470	1,794	793	731	630	580	384
1978.....	3,373	3,043	2,189	1,960	2,961	673	697	825	729	518
1979.....	4,495	3,896	2,930	2,606	4,546	1,128	920	947	860	619
1980.....	3,865	3,495	3,661	3,206	4,750	870	685	1,011	679	365
1981.....	2,226	1,946	4,105	3,552	2,673	717	617	881	624	427
1982.....	1,064	890	2,695	2,589	1,043	433	372	710	600	151
1983.....	1,152	1,069	1,372	1,200	823	545	489	474	430	222
1984.....	1,916	1,700	1,607	1,484	1,132	1,000	832	679	609	542
1985.....	1,653	1,652	1,742	1,549	1,243	675	610	803	743	414
1986.....	1,544	1,377	1,890	1,695	997	561	507	686	621	307
1987.....	1,451	1,294	1,677	1,499	672	667	538	647	537	327

Source: National Machine Tool Builders Association, McLean, VA, data published in U.S. Bureau of Economic Analysis, *Business Statistics*, 1979, for 1970-1976; thereafter, *Survey of Current Business*, monthly.

No. 1303. U.S. FACTORY SALES OF ELECTRONICS SHIPMENTS: 1975 TO 1987

[In millions of dollars]

TYPE OF ELECTRONICS	1975	1980	1981	1982	1983	1984	1985	1986	1987
Total value ¹	42,369	101,697	117,739	126,663	136,784	167,668	204,549	206,638	222,966
Computers and industrial electronics.....	13,457	36,539	47,635	54,655	58,067	69,576	70,065	68,360	73,320
Communications equip. and systems.....	14,302	30,772	36,659	39,130	42,119	49,529	57,095	57,382	60,750
Electronic components.....	9,286	25,571	28,784	29,561	33,666	43,308	38,467	37,113	40,245
Consumer electronics (excl. imports).....	5,224	5,205	5,461	5,197	5,932	6,375	6,467	5,600	5,595

¹ Beginning 1984, includes other products and related services not shown separately.Source: Electronic Industries Association, Washington, DC, *Electronic Market Data Book*, annual.

NO. 1304. ROBOTS, ACCESSORIES, AND COMPONENTS—UNITS SHIPPED AND VALUE: 1965 TO 1967

[Based on a survey of all known manufacturers of robots, robot accessories, and components. Shipment value represents the net sales price, f.o.b. plant, to the customer or branch to which the products are shipped, net of discounts, allowances, freight charges, and returns. A robot is a reprogrammable multi-functional manipulator designed to move materials, parts, tools, or specialized devices through variable programmed motions for the performance of a variety of tasks. Robots are presently classified in the Standard Industrial Classification (SIC) based on their primary industrial function]

ITEM	UNITS SHIPPED (number)			VALUE OF SHIPMENTS (\$1,000)		
	1965	1966	1967	1965	1966	1967
Robots, robot accessories, and components.....	(x)	(x)	(x)	345,838	345,838	345,812
Robots, complete.....	5,488	8,573	4,273	275,721	274,556	187,507
Servo-controlled robots.....	2,978	3,185	2,458	254,926	255,876	175,980
Point-to-point type:						
Welding, soldering, brazing, and/or cutting (welding type).....	839	989	478	74,846	86,047	43,944
Foundry, forging, and/or heat treating ¹	85	83	28	4,530	6,885	3,412
Assembly for non-electronic and electronic products.....	547	443	535	17,781	19,091	19,573
Material handling and/or parts transfer.....	463	741	713	44,863	45,117	43,016
Continuous-path type:						
Welding, soldering, brazing, and/or cutting.....	287	198	110	22,352	13,788	9,020
Spraying, painting, gluing, and/or sealing.....	339	298	297	41,418	38,864	41,348
Feeding, grinding, polishing, and/or deburring ²	436	455	300	49,358	48,104	15,847
Non-servo-controlled robots.....	480	451	215	18,015	15,891	8,153
Other robots.....	2,028	3,057	1,586	2,780	2,909	3,394
Robot accessories, subassemblies, etc.....	(x)	(x)	(x)	69,518	71,383	62,405
Miscellaneous receipts.....	(x)	(x)	(x)	9,161	18,533	6,437

X Not applicable. ¹ Combined with inspection, measuring, gauging, and/or sorting, machine tool loading and unloading robots. ² Includes other continuous-path type, not elsewhere classified.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA 35X(87-1).

NO. 1305. SELECTED ELECTRONIC AND ASSOCIATED PRODUCTS—VALUE OF SHIPMENTS, BY CLASS OF PRODUCT: 1960 TO 1966

[In millions of dollars. Based on a survey of all establishments with 20 or more employees for industries 3681, 3682, 3671, 3674-3679, and 3683; includes all known manufacturers of telephone and telegraph apparatus, communications systems and equipment, and electronic equipment. See source for details. N.E.C. means not elsewhere classified]

Product code	PRODUCT DESCRIPTION	1960	1961	1962	1963	1964	1965	1966
(x)	Selected electronic and associated products.....	60,480	71,375	77,848	83,630	101,697	104,873	102,774
36811	Telephone switching and switchboard equipment.....	4,254	4,363	4,448	4,651	5,871	7,714	7,114
36812	Other telephone and telegraph (wire) apparatus, equipment, and components.....	6,893	7,501	6,980	6,792	8,370	8,348	7,248
36821	Communication systems and equipments ¹	5,139	5,722	6,554	7,557	8,259	10,708	10,569
36822	Broadcast, studio, related electronic equipment.....	1,187	1,446	1,544	1,484	1,478	1,562	1,537
36824	Alarm systems.....	1,183	781	834	■	1,045	1,114	1,038
36825	Search and detection systems and navigation and guidance system and equipment.....	12,139	15,040	17,733	19,982	22,629	27,057	20,280
36829	Electronic systems and equipment, n.e.c. ²	2,400	2,900	3,111	3,120	3,361	3,549	3,502
36741	Integrated microcircuits (semiconductor networks).....	6,806	6,976	7,322	6,903	13,324	10,810	10,688
36749	Other semiconductor devices.....	1,393	2,079	2,317	2,411	2,586	2,483	2,084
36750	Capacitors for electronic applications.....	1,184	1,277	1,209	1,288	1,804	1,327	1,270
36792	Magnetic recording tape ³	■	1,053	984	959	1,749	1,306	1,474
36797	Printed circuit boards.....	9,610	1,854	2,147	2,553	3,585	3,490	3,017
36798	Complex components.....	■	2,320	2,502	2,835	3,418	3,310	3,843
36799	All other electronic components, n.e.c.....	■	4,302	3,973	4,277	5,692	5,022	4,208
36831	X-ray and other irradiation equipment.....	800	1,004	1,342	1,544	1,758	1,675	1,608
36833	Electromedical equipment.....	1,613	1,937	2,419	2,557	2,675	2,720	2,763

X Not applicable. ¹ Excludes broadcast. ² Effective for 1961, product class 36827 has been changed to 36829 to improve comparability with the 1962 Census of Manufactures. ³ Similar products are collected on the *Current Industrial Report* MA35R, Computers and Office and Accounting Machines, and the data were added together to form the complete product classification.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, MA-36A, MA-36D, MA-36Q, and MA-36R.

NO. 1306. COMPUTERS AND OFFICE AND ACCOUNTING MACHINES—VALUE OF SHIPMENTS: 1975 TO 1987

[In millions of dollars. Based on a survey of all known producers of these products except the very small firms (generally less than 10 employees). Includes approximately 740 companies. For details, see source]

Product code	PRODUCT DESCRIPTION	1975	1976	1980	1981	1982	1983	1984	1985	1986	1987
35731	Electronic computers.....	2,123	6,808	8,077	10,786	11,366	12,702	17,083	19,293	20,026	23,262
35732	Peripheral equipment.....	3,732	8,976	11,730	14,015	14,853	16,749	19,299	18,253	19,808	18,455
35734(pt)	Parts and attachments ¹	1,822	3,782	4,513	4,298	7,006	7,519	9,992	9,126	8,887	8,126
35743	Accounting machines and cash registers.....	259	636	709	787	901	1,026	1,129	903	679	872
35793	Duplicating machines.....	103	246	199	183	158	170	189	157	169	202
35795	Mailing, letter-handling, etc.....	172	313	381	405	387	506	552	586	799	794

¹ For electronic computers and peripheral equipment, produced by complete machine manufacturers.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA35R(85)-1

No. 1307. COMPUTER SHIPMENTS AND REVENUES: 1982 TO 1987

[Revenue is in \$-sold, end-user dollars]

ITEM	Unit	1982	1983	1984	1985	1986	1987
Computer outlays, total ¹	Bil. dol.	21.6	29.8	39.0	42.7	44.8	50.0
Percent change	Percent	34.2	38.0	30.9	9.5	5.0	11.5
Mainframe computers, units shipped ²	1,000	2.1	2.3	2.4	2.4	2.4	2.6
Revenue	Bil. dol.	7.0	8.0	8.8	8.7	8.8	9.6
Super minicomputers, units shipped ³	1,000	4.6	5.2	6.4	7.4	8.2	8.9
Revenue	Bil. dol.	3.0	3.3	3.7	3.9	4.4	4.9
Departmental computers, units shipped ⁴	1,000	84.5	75.6	90.1	108.8	113.7	127.7
Revenue	Bil. dol.	5.7	7.0	8.1	9.1	10.1	9.1
Multuser microcomputers ⁵	1,000	108.9	146.4	198.7	210.4	218.1	246.3
Revenue	Bil. dol.	2.0	2.8	3.7	4.0	4.0	4.5
Engineering and technical systems shipped ⁶	1,000	.6	3.3	7.5	19.1	35.1	62.0
Revenue	Bil. dol.	-	.1	.4	.8	1.2	1.5
Personal computers shipped ⁷	1,000	2,567	6,186	7,740	8,366	7,026	8,688
Revenue	Bil. dol.	3.9	8.6	14.3	16.2	16.3	20.4
Local area network sales	Mil. dol.	62.5	150.0	326.0	593.0	913.0	1,535.0
Number of connections ⁸	1,000	77.9	150.0	340.0	690.0	1,100.0	1,802.0

- Represents zero. ¹ Shipments into the U.S. market from any manufacturing country. ² Units costing more than \$1.5 million. ³ Units costing \$250,000 to \$1.5 million. ⁴ Units costing \$25,000 to \$250,000. ⁵ Units priced below \$25,000. ⁶ Single-user systems for technical and engineering applications, excluding CAD/CAM workstations from turnkey vendors. ⁷ Units costing less than \$10,000. ⁸ Number of new connections of devices, including terminals, computers, and workstations.

Source: Dataquest Inc., San Jose, CA, Consolidated Data Base, April 1988.

No. 1308. DOMESTIC PERSONAL COMPUTER SALES AND USE: 1981 TO 1987

[In mil. units, except as indicated]

ITEM	1981	1982	1983	1984	1985	1986	1987
Personal computers (PC's) sold	1.11	3.53	6.90	7.61	6.75	7.04	8.34
Value (mil. dol.)	3,143	5,925	9,779	14,268	17,077	18,888	23,458
Personal computers in use, total ¹	2.12	5.53	12.17	19.18	25.27	31.18	37.76
Workplace	1.24	2.28	4.00	6.44	9.26	12.22	15.82
Business: 1-49 employees	.30	.55	.98	1.71	2.57	3.47	4.55
50-999 employees	.24	.44	.77	1.26	1.82	2.48	3.25
Over 999 employees	.47	.88	1.61	2.65	3.73	4.82	6.14
Government	.24	.40	.62	.82	1.14	1.47	1.88
Education	.13	.27	.54	.78	1.15	1.55	1.98
Kindergarten through grade 12	.10	.21	.40	.59	.87	1.17	1.48
College/university	.03	.06	.14	.20	.28	.38	.49
Homes	.75	3.00	7.84	11.95	14.68	17.36	19.97
Personal computer-related equipment in use:							
Impact printers	.72	1.90	4.25	8.70	12.80	17.21	22.49
Nonimpact printers	.02	.10	.31	.66	1.19	1.83	2.76
Plotters	.02	.05	.12	.22	.39	.61	.88
Monochrome monitors	.97	2.24	4.66	7.00	9.74	12.58	15.59
Color monitors	.13	.48	1.29	2.98	5.01	7.73	11.66
Modems	.18	.53	1.41	3.00	4.86	6.55	8.91
Add-in-boards ²	2.41	5.66	11.43	19.38	29.62	41.22	55.17
PC hardware maintenance (mil. dol.) ³	76	166	279	569	951	1,061	1,750

¹ Excluding multuser personal computers. ² Excluding add-in modem boards. ³ Excluding education and home.

Source: Future Computing/Datapac, Inc., Dallas, TX, unpublished data.

No. 1309. TELECOMMUNICATIONS REVENUE: 1981 TO 1987

[In millions of dollars]

ITEM	1981	1982	1983	1984	1985	1986	1987
Total	106,839	118,932	126,770	124,990	139,701	143,344	153,830
Public markets	98,229	110,644	117,696	114,268	124,357	131,361	140,838
Transmission equipment ¹	1,587	1,788	2,188	2,425	2,712	2,991	3,072
Switching equipment ²	333	609	1,268	2,218	3,221	3,373	3,438
Public services ³	96,309	108,047	114,095	109,154	117,622	123,760	131,905
Cellular mobile radio ⁴	-	-	127	489	602	1,236	2,422
On-premises markets	7,610	8,298	9,074	10,595	11,344	11,984	12,992
Terminal equipment ⁵	1,567	1,683	1,857	2,216	2,571	2,676	2,885
Data communications equipment ⁶	904	1,121	1,610	2,194	2,493	2,841	2,913
Local area network connections	28	62	150	326	593	913	1,535
Switching equipment ⁷	6,260	6,657	6,788	7,443	7,298	7,202	7,009
Attached network functions ⁸	131	184	232	291	463	559	763

- Represents zero. ¹ Includes multiplex, carrier, microwave radio, and satellite earth station equipment. ² Includes central office, OCC, and private packet switching equipment. ³ Includes local and long distance telephone services, and public data network services. ⁴ Includes cellular telephone equipment and cellular network services. ⁵ Includes single-line telephone equipment and integrated V/D work-stations, and facsimile equipment. ⁶ Includes data network control systems, and modem, statistical and T-1 multiplexer, front-end processor, and DSU/CSU equipment. ⁷ Includes data PBX systems, key, PBX, and central telephone systems, and automatic call distributors. ⁸ Includes call accounting equipment, and voice messaging and video teleconferencing systems.

Source: Dataquest Inc., San Jose, CA, Consolidated Data Base, April 1988.

NO. 1310. SEMICONDUCTORS AND RELATED DEVICES: 1980 TO 1987

[In million of dollars, except percent. Semiconductors and related devices represent SIC 3674]

ITEM	1980	1981	1982	1983	1984	1985	1986	1987
SEMICONDUCTORS ¹								
Sales	8,053	8,529	8,870	9,082	12,006	9,420	9,988	11,888
Capital expenditures (North America)	1,438	1,348	1,210	1,452	3,039	2,072	1,580	1,534
Percent of sales	22.8	20.7	17.4	16.0	23.4	22.0	15.9	15.5
Japanese capital expenditures as a percent of revenues	17.2	15.9	16.5	21.5	43.0	40.0	18.0	15.1
R&D (North America)	563	777	866	1,092	1,724	1,786	1,970	2,248
SEMICONDUCTOR IMPORTS ²								
Imports, total	2,223	3,348	3,885	4,523	6,888	4,670	5,044	6,686
Integrated circuits, monolithic	1,790	2,838	3,388	3,977	5,960	4,237	4,206	5,568
Linear (367410 10)	224	325	388	482	715	578	598	648
Bipolar, transistor-transistor logic (367410 20)	351	375	613	715	1,056	853	712	774
Bipolar emitter coupled logic (367410 30)	60	47	71	70	114	80	70	112
Not bipolar, metal oxide silicon (367410 40)	932	1,801	2,085	2,388	3,819	2,588	2,418	3,546
Integrated circuits, NSPF (367410 50)	224	290	309	343	457	350	408	478
Integrated circuits, other than monolithic (367410 80)	119	100	98	98	95	126	254	444
Transistors	193	258	280	248	332	242	279	319
Less than 1 watt (367420 20)	118	129	125	114	136	90	111	127
With 1 watt or greater (367420 40)	77	130	135	134	196	152	168	191
Diodes and rectifiers	121	148	174	200	312	283	308	338
Diodes and rectifiers, photo sensitive (367490 10)	9	21	22	24	39	39	47	42
Diodes, zener (367490 20)	11	16	15	19	38	29	34	38
Diodes and rectifiers, microwave (367490 30)	1	2	3	3	3	3	5	8
Thyristors (367490 40)	27	43	39	48	80	42	44	47
Diodes and rectifiers, NSPF ³ (367490 50)	73	88	95	108	174	150	178	202
SEMICONDUCTORS AND RELATED DEVICES								
Shipments	8,455	10,380	11,215	12,801	17,819	15,253	14,930	(NA)
Integrated microcircuits	8,788	8,793	7,298	8,847	13,484	10,872	10,925	(NA)
Transistors	607	833	598	802	797	681	687	(NA)
Diodes and rectifiers	514	636	508	572	688	700	672	(NA)
Semiconductor devices, n.e.c. ⁴	1,398	2,092	2,336	2,484	2,543	2,589	2,303	(NA)
Semiconductors and related devices	188	215	480	498	308	431	332	(NA)
Assets, beginning of year	4,014	5,547	6,953	8,400	9,789	12,200	(NA)	(NA)
New capital expenditures	1,596	1,493	1,814	1,832	2,818	2,532	(NA)	(NA)
Used capital expenditures	40	21	37	85	96	360	(NA)	(NA)
Retirements	230	358	423	562	543	886	(NA)	(NA)
Assets, end of year	5,420	8,703	8,181	9,735	12,158	14,528	(NA)	(NA)
Depreciation charges	601	766	841	1,014	1,309	1,512	(NA)	(NA)
Rental payments	74	110	121	147	173	184	(NA)	(NA)

NA Not available. ¹ Source: Dataquest Inc., San Jose, CA, Consolidated Data Base, April 1988. ² Imports for consumption by SIC group. Includes imports not shown separately. ³ NSPF=Not specifically provided for. ⁴ N.e.c.=Not elsewhere classified.

Source: Except as noted, U.S. Bureau of the Census, Current Industrial Reports, series MA-38C; U.S. Imports, FT 210 SIC-Based Products, annual; and Annual Survey of Manufacturers.

NO. 1311. MICROCONTROLLERS AND CHIP SHIPMENTS: 1982 TO 1987

ITEM	Unit	1982	1983	1984	1985	1986	1987
Microcontrollers, worldwide:							
Units, number	Mil. units	212.4	282.6	357.0	340.8	480.3	735.0
8-bit	Mil. units	54.1	90.8	183.5	183.8	218.0	342.2
4-bit	Mil. units	158.2	171.9	183.4	177.0	271.8	382.3
16-bit	Mil. units	.08	.08	.08	.23	.40	.50
Revenue	Mil. dol.	427.0	528.3	1,406.7	1,114.3	1,382.2	2,127.7
8-bit	Mil. dol.	173.2	267.3	930.3	728.0	830.8	1,327.7
4-bit	Mil. dol.	253.0	257.9	475.8	382.3	554.7	792.4
16-bit	Mil. dol.	.9	1.1	.7	4.0	7.0	7.5
32-bit processor:							
Units, number	Mil. units	(NA)	(NA)	(NA)	.005	.017	.080
RISC ¹	Mil. units	(NA)	(NA)	.010	.095	.453	1.540
CISC ²	Mil. units	(NA)	(NA)	3.0	19.0	86.0	288.0
Revenue	Mil. dol.	(NA)	(NA)	(NA)	3.0	4.0	16.0
RISC ¹	Mil. dol.	(NA)	(NA)	3.0	16.0	84.0	272.0
CISC ²	Mil. dol.	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
256K RAM ³ chips	Mil. units	1.0	18.0	200.0	237.9	820.0	788.3
Price	Dollars	100.00	50.00	25.00	3.65	2.31	2.36
1-Megabit chips	Mil. units	(NA)	(NA)	(NA)	-	4.3	42.6
Price	Dollars	(NA)	(NA)	(NA)	162.50	31.11	14.95

- Represents zero. NA Not available. ¹ RISC=Reduced Instruction Set Computer. ² CISC=Complex Instruction Set Computer. ³ RAM=Random Access Memory.

Source: Dataquest, Inc., San Jose, CA, Consolidated Data Base, April 1988.

No. 1312. COMPUTERS AND INDUSTRIAL ELECTRONIC EQUIPMENT—SHIPMENTS, BY TYPE:
1975 TO 1987

(In millions of dollars)

TYPE OF EQUIPMENT	1975	1976	1977	1980	1981	1982	1983	1984	1985	1986	1987
Total ¹	13,457	26,996	32,851	39,539	47,835	54,855	63,067	66,576	70,965	69,380	73,320
Computer and peripheral equipment	7,479	15,111	19,898	24,320	29,009	33,285	37,131	48,480	47,829	48,384	50,100
Computers	2,123	5,248	6,806	8,077	10,788	11,356	12,702	17,063	19,292	19,525	21,700
Peripheral equipment ¹	3,732	7,116	8,976	11,730	14,015	14,922	16,910	19,430	19,209	17,679	18,975
Auxiliary storage equipment	937	2,472	3,090	3,956	4,724	4,057	4,316	5,424	5,494	5,331	5,775
Serial access storage	367	723	857	743	777	812	772	891	1,111	918	950
Magnetic storage media:											
Disks: Rigid	(?)	99	141	217	235	739	1,054	1,017	822	772	600
Flexible (floppy)	(?)	74	138	212	277	458	690	552	484	369	350
Computer tape, cassette, etc.	280	47	53	115	108	80	204	251	395	459	530
Computer terminals:											
General purpose:											
Single CRT	413	885	1,303	2,035	1,892	2,136	2,000	1,965	1,852	729	750
Teleprinters	277	332	380	481	638	605	573	441	214	185	205
Special purpose, including graphic	103	196	287	325	553	707	1,019	1,184	930	1,058	1,110
Parts for electronic computers	479	1,266	1,599	1,503	1,652	3,201	3,596	5,499	4,509	4,888	5,000
Parts for peripheral equipment	1,144	1,459	2,185	3,010	2,646	3,807	3,933	4,523	4,619	4,193	4,425
Controlling, processing equipment	2,492	4,062	4,856	5,527	6,717	6,523	6,166	7,294	7,410	7,408	7,800
Testing, measuring equipment	1,552	2,483	3,125	3,584	4,144	4,895	5,200	6,279	6,008	5,802	5,900
Medical electronic equipment	829	2,189	2,481	2,703	3,360	4,402	4,845	5,148	5,028	5,183	5,700
Nuclear electronic equipment	292	427	419	384	447	548	490	480	519	533	570

¹ Includes other types of equipment not shown separately. ² Combined with "Computer tape, cassette, cartridge, drum, etc."

No. 1313. FACTORY SALES OF CONSUMER ELECTRONIC PRODUCTS, BY TYPE: 1975 TO 1987

(In millions of dollars. Includes imports)

PRODUCT	1975	1976	1977	1980	1981	1982	1983	1984	1985	1986	1987
Total	5,224	9,107	9,359	10,891	12,453	12,516	14,575	17,774	19,955	22,052	21,870
Color TV receivers	2,268	3,574	3,685	4,210	4,349	4,253	5,002	5,536	5,562	6,024	6,271
Video cassette recorders	34	326	389	621	1,127	1,303	2,162	3,585	4,738	5,258	5,093
Car audio ¹	355	582	623	1,368	2,000	2,100	1,900	2,500	3,000	3,500	3,800
Separate audio components	652	1,143	1,176	1,424	1,363	1,161	1,266	913	1,132	1,358	1,400
Portable audio tape equipment ²	653	1,648	1,739	1,403	1,157	971	1,102	1,191	1,140	1,388	1,431
Audio systems ²	474	748	748	809	720	573	630	976	1,372	1,370	1,048
Blank video cassettes	(NA)	(NA)	(NA)	(NA)	(NA)	357	580	931	1,285	1,480	1,188
Home radios	372	436	436	468	501	530	565	681	379	408	409
Monochrome TV receivers	416	549	561	568	505	507	465	419	309	328	287
Color cameras	(NA)	(NA)	(NA)	(NA)	147	232	303	355	226	59	35
Projection TV	(NA)	(NA)	(NA)	(NA)	287	236	268	385	486	529	527
Blank audio cassettes	(NA)	(NA)	(NA)	(NA)	242	219	249	275	277	304	326
Video disc players	(NA)	(NA)	(NA)	(NA)	55	54	81	45	45	45	55

NA Not available. ¹ Prior to 1980, data reflects factory installed products only. ² Prior to 1980, data includes some tape equipment other than portable. ³ Prior to 1981, data include console phonographs.

Source of tables 1312 and 1313: Electronic Industries Association, Washington, DC, *Electronic Market Data Book*, annual.

No. 1314. MACHINERY (EXCEPT ELECTRICAL)—INDUSTRY SUMMARY: 1977 TO 1986

SIC ¹ code	INDUSTRY	1977			1982				1986		
		Employees		Value of shipments (mil. dol.)	Employees		Value of shipments (mil. dol.)	New capital expenditures (mil. dol.)	Employees		Value of shipments (mil. dol.)
		Number (1,000)	Payroll (mil. dol.)		Number (1,000)	Payroll (mil. dol.)			Number (1,000)	Payroll (mil. dol.)	
36	Total	2,089	39,539	122,198	2,198	48,911	167,983	6,587	1,965	49,846	305,639
351	Engines and turbines	130	2,236	10,426	112	2,850	13,040	728	80	2,825	14,116
352	Farm and garden machinery	151	2,197	11,857	114	2,386	13,108	392	79	1,814	10,382
353	Constr. and related machinery	339	5,097	23,682	326	7,332	32,036	1,678	209	5,535	25,835
354	Metalworking machinery	298	4,514	13,283	283	6,086	16,150	713	253	6,824	20,476
355	Special industry machinery	185	2,816	9,126	183	3,748	13,128	393	156	4,141	14,926
356	General industrial machinery	313	4,451	16,542	314	6,493	24,459	904	258	6,534	24,751
357	Office and comput. machines	259	3,949	16,542	404	9,437	43,028	2,648	383	11,414	59,830
358	Refrig. and service machinery	192	2,518	12,416	172	3,344	16,460	415	180	4,381	21,116
359	Miscellaneous machinery, except electrical	223	2,990	6,012	282	5,236	14,467	767	273	6,277	17,965

¹ Standard Industrial Classification.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1982*, and *Annual Survey of Manufactures*.

NO. 1310. SEMICONDUCTORS AND RELATED DEVICES: 1980 TO 1987

(In million of dollars, except percent. Semiconductors and related devices represent SIC 3674)

ITEM	1980	1981	1982	1983	1984	1985	1986	1987
SEMICONDUCTORS ¹								
Sales	6,053	6,529	6,970	9,082	13,006	9,420	9,988	11,809
Capital expenditures (North America)	1,438	1,348	1,210	1,452	3,038	2,072	1,580	1,834
Percent of sales	22.8	20.7	17.4	16.0	23.4	22.0	15.8	15.5
Japanese capital expenditures as a percent of revenues	17.2	15.9	16.5	21.5	43.0	40.0	16.0	15.1
R&D (North America)	583	777	885	1,092	1,724	1,788	1,870	2,248
SEMICONDUCTOR IMPORTS ²								
Imports, total	2,223	3,346	3,896	4,823	8,899	4,870	5,844	6,868
Integrated circuits, monolithic	1,790	2,838	3,385	3,877	5,980	4,237	4,205	5,556
Linear (367410 10)	224	325	388	482	715	576	588	646
Bipolar transistor-transistor logic (367410 20)	381	375	513	715	1,095	863	712	774
Bipolar emitter coupled logic (367410 30)	80	47	71	70	114	60	70	112
Not bipolar metal oxide silicon (367410 40)	932	1,801	2,085	2,368	3,819	2,588	2,418	3,548
Integrated circuits, NSPF (367410 50)	224	290	308	343	457	350	409	478
Integrated circuits, other than monolithic (367410 60)	119	100	98	98	96	128	254	444
Transistors	193	259	200	248	332	242	278	318
Less than 1 watt (367420 20)	118	129	125	114	135	90	111	127
With 1 watt or greater (367420 40)	77	130	135	134	198	152	168	191
Diodes and rectifiers	121	149	174	200	312	283	308	338
Diodes and rectifiers, photo sensitive (367490 10)	8	21	22	24	39	39	47	42
Diodes, zener (367490 20)	11	15	15	19	38	29	34	39
Diodes and rectifiers, microwave (367490 30)	1	2	3	3	3	3	5	8
Thyristors (367490 40)	27	43	38	46	80	42	44	47
Diodes and rectifiers, NSPF ³ (367490 50)	73	68	95	108	174	150	176	202
SEMICONDUCTORS AND RELATED DEVICES								
Shipments	9,455	10,388	11,215	12,801	17,819	15,253	14,930	(NA)
Integrated microcircuits	8,788	8,793	7,298	8,647	13,484	10,872	10,925	(NA)
Transistors	807	633	588	602	797	681	697	(NA)
Diodes and rectifiers	514	638	508	572	686	700	672	(NA)
Semiconductor devices, n.e.c. ⁴	1,396	2,092	2,335	2,484	2,543	2,589	2,303	(NA)
Semiconductors and related devices	168	215	480	496	309	431	332	(NA)
Assets, beginning of year	4,014	5,547	6,953	8,400	9,789	12,800	(NA)	(NA)
New capital expenditures	1,688	1,483	1,614	1,832	2,818	2,832	(NA)	(NA)
Used capital expenditures	40	21	37	65	96	390	(NA)	(NA)
Retirements	230	358	423	582	543	688	(NA)	(NA)
Assets, end of year	5,420	6,703	8,181	9,736	12,159	14,526	(NA)	(NA)
Depreciation charges	801	788	841	1,014	1,308	1,512	(NA)	(NA)
Rental payments	74	110	121	147	173	184	(NA)	(NA)

NA Not available. ¹ Source: Dataquest Inc., San Jose, CA, Consolidated Data Base, April 1988. ² Imports for consumption by SIC group. Includes imports not shown separately. ³ NSPF=Not specifically provided for. ⁴ N.e.c.=Not elsewhere classified.

Source: Except as noted, U.S. Bureau of the Census, Current Industrial Reports, series MA-38Q; U.S. Imports, FT 210 SIC-Based Products, annual; and Annual Survey of Manufacturers.

NO. 1311. MICROCONTROLLERS AND CHIP SHIPMENTS: 1982 TO 1987

ITEM	Unit	1982	1983	1984	1985	1986	1987
Microcontrollers, worldwide:							
Units, number	Mil. units	212.4	262.6	357.0	340.8	480.3	735.0
8-bit	Mil. units	54.1	90.6	168.8	163.6	218.0	342.2
4-bit	Mil. units	158.2	171.9	183.4	177.0	271.9	382.3
16-bit	Mil. units	.06	.09	.06	.23	.40	.50
Revenue	Mil. dol.	427.0	526.3	1,405.7	1,114.3	1,382.2	2,127.7
8-bit	Mil. dol.	173.2	267.3	830.3	728.0	830.6	1,327.7
4-bit	Mil. dol.	253.0	257.9	475.8	382.3	554.7	792.4
16-bit	Mil. dol.	.9	1.1	.7	4.0	7.0	7.5
32-bit processor							
Units, number	Mil. units	(NA)	(NA)	(NA)	.005	.017	.080
RISC ¹	Mil. units	(NA)	(NA)	.010	.085	.453	1.540
CISC ²	Mil. units	(NA)	(NA)	3.0	19.0	88.0	286.0
Revenue	Mil. dol.	(NA)	(NA)	(NA)	3.0	4.0	18.0
RISC ¹	Mil. dol.	(NA)	(NA)	3.0	16.0	84.0	272.0
CISC ²	Mil. dol.	(NA)	(NA)	3.0	16.0	84.0	272.0
256K RAM ³ chips	Mil. units	1.0	18.0	200.0	237.8	620.0	788.3
Price	Dollars	100.00	50.00	25.00	3.65	2.31	2.36
1-Megabit chips	Mil. units	(NA)	(NA)	(NA)	-	111	42.6
Price	Dollars	(NA)	(NA)	(NA)	162.60	31.11	14.95

- Represents zero. NA Not available. ¹ RISC=Reduced Instruction Set Computer. ² CISC=Complex Instruction Set Computer. ³ RAM=Random Access Memory

Source: Dataquest, Inc., San Jose, CA, Consolidated Data Base, April 1988.

**No. 1312. COMPUTERS AND INDUSTRIAL ELECTRONIC EQUIPMENT—SHIPMENTS, BY TYPE:
1975 TO 1987**

(In millions of dollars)

TYPE OF EQUIPMENT	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total ¹	13,457	25,980	32,851	36,539	47,536	54,955	58,067	66,576	70,085	66,390	73,330		
Computer and peripheral equipment	7,478	15,111	19,868	24,320	29,099	33,268	37,131	46,486	47,629	46,364	50,100		
Computers	2,123	5,248	6,908	8,077	10,786	11,366	12,702	17,083	19,292	19,526	21,700		
Peripheral equipment ¹	3,732	7,116	8,976	11,730	14,015	14,922	16,910	19,430	19,209	17,679	18,975		
Auxiliary storage equipment	937	2,472	3,080	3,958	4,724	4,067	4,318	5,424	5,484	5,331	5,775		
Serial access storage	367	723	687	743	777	812	772	891	1,111	918	950		
Magnetic storage media:													
Disks: Rigid	(9)	98	141	217	235	739	1,054	1,017	822	772	600		
Flexible (floppy)	(9)	74	139	212	277	466	680	562	454	389	350		
Computer tape, cassette, etc.	260	47	53	115	108	60	204	251	365	459	530		
Computer terminals:													
General purpose,													
Single CRT	413	695	1,303	2,035	1,892	2,135	2,000	1,965	1,052	729	750		
Teleprinters	277	332	360	481	636	606	573	441	214	186	205		
Special purpose, including													
graphic	103	198	267	325	553	707	1,019	1,194	930	1,056	1,110		
Parts for electronic computers	479	1,268	1,566	1,503	1,652	3,201	3,586	5,489	4,509	4,996	5,000		
Parts for peripheral equipment	1,144	1,459	2,196	3,010	2,648	3,807	3,933	4,523	4,619	4,183	4,425		
Controlling, processing equipment	2,482	4,062	4,856	5,627	6,717	6,523	6,186	7,294	7,410	7,406	7,600		
Testing, measuring equipment	1,552	2,463	3,125	3,584	4,144	4,995	5,200	6,279	6,008	5,602	5,900		
Medical electronic equipment	629	2,188	2,491	2,703	3,390	4,402	4,645	5,149	5,028	5,183	5,700		
Nuclear electronic equipment	282	427	419	384	447	546	490	480	519	533	570		

¹ Includes other types of equipment not shown separately.

² Combined with "Computer tape, cassette, cartridge, drum, etc."

No. 1313. FACTORY SALES OF CONSUMER ELECTRONIC PRODUCTS, BY TYPE: 1975 TO 1987

(In millions of dollars. Includes imports)

PRODUCT	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total	6,234	9,107	9,389	10,891	12,453	12,516	14,575	17,774	19,965	22,062	21,870		
Color TV receivers	2,268	3,674	3,685	4,210	4,349	4,253	5,002	5,539	5,562	6,024	6,271		
Video cassette recorders	34	326	369	621	1,127	1,303	2,162	3,595	4,738	5,258	5,093		
Car audio ¹	355	582	623	1,068	2,000	2,100	1,900	2,500	3,000	3,500	3,800		
Separate audio components	652	1,143	1,178	1,424	1,363	1,161	1,266	913	1,132	1,356	1,400		
Portable audio tape equipment ²	652	1,649	1,739	1,403	1,157	871	1,102	1,191	1,140	1,389	1,431		
Audio systems ³	474	746	748	809	720	573	830	978	1,372	1,370	1,046		
Blank video cassettes	(NA)	(NA)	(NA)	(NA)	(NA)	357	580	931	1,285	1,480	1,168		
Home radios	372	436	436	468	501	530	565	661	379	406	408		
Monochrome TV receivers	416	549	561	568	505	507	465	419	309	328	287		
Color cameras	(NA)	(NA)	(NA)	(NA)	147	232	303	355	228	59	35		
Projection TV	(NA)	(NA)	(NA)	(NA)	287	236	268	366	488	529	527		
Blank audio cassettes	(NA)	(NA)	(NA)	(NA)	242	219	249	275	277	304	326		
Video disc players	(NA)	(NA)	(NA)	(NA)	55	54	81	45	45	45	55		

NA Not available. ¹ Prior to 1980, data reflects factory installed products only. ² Prior to 1981, data include console phonographs.

³ Prior to 1980, data includes some tape equipment other than portable.

Source of tables 1312 and 1313: Electronic Industries Association, Washington, DC, *Electronic Market Data Book*, annual

No. 1314. MACHINERY (EXCEPT ELECTRICAL)—INDUSTRY SUMMARY: 1977 TO 1986

SIC ¹ code	INDUSTRY	1977			1983				1986		
		Employees		Value of ship- ments (mil. dol.)	Employees		Value of ship- ments (mil. dol.)	New capital expendi- tures (mil. dol.)	Employees		Value of ship- ments (mil. dol.)
		Num- ber (1,000)	Payroll (mil. dol.)		Num- ber (1,000)	Payroll (mil. dol.)			Num- ber (1,000)	Payroll (mil. dol.)	
36	Total	2,093	26,539	122,198	2,189	46,911	187,836	6,537	1,863	46,645	208,529
351	Engines and turbines	130	2,236	10,426	112	2,650	13,040	728	90	2,925	14,116
352	Farm and garden machinery	151	2,197	11,657	114	2,366	13,108	362	79	1,614	10,392
353	Const. and related machinery	333	5,087	23,682	326	7,332	32,038	1,578	209	5,535	25,935
354	Metalworking machinery	299	4,514	13,263	283	6,066	18,150	713	253	6,624	20,476
355	Special industry machinery	185	2,616	9,128	183	3,746	13,128	363	156	4,141	14,926
356	General industrial machinery	313	4,451	16,542	314	6,493	24,459	804	258	6,534	24,751
357	Office and comput. machines	259	3,949	16,642	404	9,437	43,029	2,648	363	11,414	58,630
358	Refrig. and service machinery	192	2,516	12,416	172	3,344	16,460	415	180	4,361	21,116
359	Miscellaneous ma- chinery, except electrical	223	2,980	8,012	282	5,236	14,487	767	273	6,277	17,986

¹ Standard Industrial Classification.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1982*, and *Annual Survey of Manufactures*.

No. 1315. ELECTRIC AND ELECTRONIC EQUIPMENT—INDUSTRY SUMMARY: 1977 TO 1986

SIC ¹ code	INDUSTRY	1977			1982				1983		
		Employees		Value of ship- ments (mil. dol.)	Employees		Value of ship- ments (mil. dol.)	New capital expendi- tures (mil. dol.)	Employees		Value of ship- ments (mil. dol.)
		Num- ber (1,000)	Pay- roll (mil. dol.)		Num- ber (1,000)	Pay- roll (mil. dol.)			Num- ber (1,000)	Pay- roll (mil. dol.)	
36	Total.....	1,723	22,544	66,433	1,915	26,414	147,944	7,542	1,961	46,214	166,246
361	Electric distributing equipment.....	115	1,431	5,772	105	1,965	8,108	220	90	2,019	8,603
362	Electrical industrial apparatus.....	186	2,543	9,591	181	3,708	13,825	690	171	4,022	15,839
363	Household appliances.....	162	1,868	10,737	129	2,223	12,644	305	123	2,574	16,649
364	Electric lighting and wiring equipment.....	165	1,925	8,357	159	2,719	12,045	340	161	3,474	16,530
365	Radio and TV receiving equipment.....	98	1,097	6,913	88	1,154	7,833	141	59	1,368	11,936
366	Communication equipment.....	459	6,995	22,744	601	13,979	46,426	2,299	699	19,699	67,435
367	Electronic components and accessories.....	374	4,557	15,360	516	9,770	34,517	3,013	517	12,308	41,995
369	Miscellaneous electrical equipment and supplies.....	152	2,096	8,830	147	2,899	12,544	510	155	3,851	17,067

¹ Standard Industrial Classification.Source: U.S. Bureau of the Census, *Census of Manufactures, 1982*, and *Annual Survey of Manufactures*.

No. 1316. ELECTRONIC COMPUTING EQUIPMENT INDUSTRY—SUMMARY: 1975 TO 1986

[In millions of dollars, except as indicated. Data for the noncensus years (all years except 1977 and 1982) are based on sample surveys and are therefore subject to sampling errors. Included in SIC 3673. See source for further detail.]

ITEM	1975	1977	1979	1980	1981	1982	1983	1984	1985	1986
Employment, total (1,000).....	162.5	192.7	273.9	304.6	320.7	337.9	364.4	373.7	365.5	315.0
Salaries and wages.....	2,292	3,004	4,777	5,916	6,951	8,053	9,130	10,471	10,666	10,051
Production workers (1,000).....	73.8	85.5	122.0	134.7	136.0	140.9	150.1	157.7	133.4	114.2
Work-hours (million).....	145.9	172.4	243.8	268.7	283.0	274.5	296.2	309.6	282.0	225.6
Workers wages.....	731	979	1,546	1,875	2,116	2,552	2,995	3,026	2,726	2,418
Value added.....	4,960	7,824	12,465	14,717	17,746	19,598	20,878	25,868	23,415	24,303
Supplemental labor cost.....	343	528	904	1,097	1,296	1,805	1,834	2,110	2,110	1,967
Cost of materials.....	3,705	5,701	9,985	12,787	14,774	17,481	21,418	29,379	30,834	27,350
Value of shipments.....	8,560	12,824	21,466	26,584	32,032	36,767	41,877	53,524	55,315	52,589
New capital expenditures.....	292	652	1,317	1,706	2,125	2,381	2,341	3,037	3,140	2,210
Inventories.....	2,264	3,008	5,524	6,579	7,863	8,446	9,085	11,719	10,320	5,984
Assets, total.....	2,232	3,042	5,196	6,790	8,451	10,250	12,169	14,074	15,814	(NA)
Rents, total.....	82	112	204	281	292	356	434	499	565	(NA)
Ratio of—										
Cost of materials to value of shipments.....	433	441	465	461	461	476	510	546	557	520
Value added to value of shipments.....	548	590	581	553	584	533	487	483	423	462
Value added to work-hours.....	32.15	44.22	51.13	54.77	67.48	71.40	70.01	83.55	89.38	107.73

NA: Not available.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1977* and *1982*, and *Annual Survey of Manufactures*.

No. 1317. ELECTRONIC COMPONENTS AND ACCESSORIES INDUSTRY—SUMMARY: 1975 TO 1986

[In millions of dollars, except as indicated. Included in SIC 367. See headnote, table 1316.]

ITEM	1975	1977	1979	1980	1981	1982	1983	1984	1985	1986
Employment, total (1,000).....	302.3	373.5	467.8	496.6	503.5	515.6	515.0	582.3	558.1	517.0
Salaries and wages.....	3,358	4,557	6,461	7,780	8,664	9,770	10,605	12,648	12,352	12,308
Production workers (1,000).....	197.6	257.9	324.5	338.8	325.5	324.8	329.0	374.7	345.2	313.0
Work-hours (million).....	389.3	506.7	635.2	650.1	631.3	626.3	642.4	736.7	667.0	613.0
Workers wages.....	1,705	2,457	3,484	4,050	4,366	4,845	5,015	6,018	5,808	5,540
Value added.....	5,984	9,260	14,213	18,902	18,537	21,214	23,610	30,427	26,368	25,651
Supplemental labor cost.....	538	811	1,232	1,497	1,723	2,085	2,294	2,752	2,639	2,606
Cost of materials.....	3,984	6,390	9,208	11,434	12,159	13,584	13,912	18,190	16,414	15,843
Value of shipments.....	10,089	15,380	22,708	27,647	30,421	34,517	37,194	47,983	42,921	41,985
New capital expenditures.....	536	783	1,591	2,616	2,459	3,013	2,897	4,410	4,495	3,419
Inventories.....	2,050	2,773	4,376	5,388	5,745	6,436	6,841	8,037	7,821	7,227
Assets, total.....	4,666	6,026	8,142	10,615	12,587	15,489	17,609	21,699	25,123	(NA)
Rents, total.....	108	107	145	189	247	264	315	373	391	(NA)
Ratio of—										
Cost of materials to value of shipments.....	395	415	405	414	400	394	374	379	382	377
Value added to value of shipments.....	593	602	627	611	609	615	635	634	614	618
Value added to work-hours.....	15.37	18.20	22.36	26.00	29.35	33.87	36.75	41.30	39.53	42.17

Source: U.S. Bureau of the Census, *Census of Manufactures, 1977* and *1982*, and *Annual Survey of Manufactures*.

Electronic Components Sales—Transportation Equipment—Appliances 747

No. 1318. FACTORY SALES OF ELECTRONIC COMPONENTS BY TYPE: 1975 TO 1987

(In millions of dollars)

TYPE OF COMPONENT	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total	13,816	17,876	21,234	25,571	29,784	33,881	33,886	43,396	39,457	37,113	40,245	
Solid state products	2,580	4,363	5,511	7,201	9,089	10,309	10,729	12,570	17,032	14,650	13,932	15,740
Parts	2,580	3,534	4,313	5,030	7,080	7,847	7,403	8,318	10,155	9,329	8,840	9,379
Connectors	734	985	1,286	1,574	2,018	2,203	2,148	2,505	3,200	2,901	2,677	2,990
Wire and cable	(1)	(1)	(1)	789	1,088	1,176	1,304	1,385	1,813	1,475	1,448	1,520
Capacitors	470	744	897	1,050	1,298	1,297	1,189	1,277	1,819	1,198	1,218	1,362
Coils and transformers	489	580	554	778	852	852	842	885	1,055	1,179	977	1,035
Resistors ²	447	477	504	547	553	538	583	538	598	587	588	558
Relays	(NA)	174	177	189	243	245	282	285	552	531	570	580
Switches	141	182	303	368	348	377	448	512	577	510	530	530
Quartz crystals	208	197	227	301	277	413	285	257	340	338	245	280
Filters	71	51	98	128	121	124	142	167	232	178	174	165
Passive networks	32	51	82	111	118	138	138	159	228	193	158	168
TV and FM antennas, parts	(1)	72	84	91	84	85	83	80	72	72	78	71
Electron tubes	1,071	1,278	1,428	1,554	1,744	1,889	1,885	2,049	2,137	2,055	2,125	2,178
Receiving tubes	152	144	134	105	81	100	78	82	36	32	30	30
Power, special purpose	420	519	585	682	738	888	925	1,007	1,059	1,051	1,067	1,119
TV tubes	489	613	707	787	915	1,001	884	980	1,042	962	1,028	1,029
Other components ³	3,042	4,345	5,525	5,548	7,858	8,889	9,544	10,918	13,882	13,423	12,218	12,830

NA Not available. ¹ Included in "Other components." ² U.S. consumption. ³ Includes sockets, delay lines, loudspeakers, magnetic components, transducers, printed circuit boards, microwave components, assemblies, and parts.

Source: Electronic Industries Association, Washington, DC, *Electronic Market Data Book*, annual. (Copyright.)

No. 1319. TRANSPORTATION EQUIPMENT—VALUE OF SHIPMENTS: 1975 TO 1986

(In millions of dollars, "N.A." means not elsewhere classified)

TYPE OF EQUIPMENT	1975	1977	1980	1981	1982	1983	1984	1985	1986
Aircraft ¹	10,881	12,053	23,368	25,109	24,235	26,377	24,878	34,977	38,184
Aircraft engines and engine parts	4,485	4,985	10,010	11,555	11,841	11,518	12,841	15,390	18,214
Aircraft equipment, n.e.c.	4,842	5,782	9,946	10,509	10,789	13,171	15,227	15,892	17,905
Boat building and repairing	1,290	1,822	2,129	2,249	2,307	2,594	3,322	3,498	4,049
Motor homes built on purchased chassis	(NA)	1,485	838	1,169	1,036	1,893	1,911	1,872	1,887
Motor vehicles and car bodies	43,384	72,979	81,428	89,457	88,708	90,895	112,358	122,327	125,870
Motor vehicle parts and accessories	23,023	37,842	35,627	40,215	38,414	48,776	55,805	57,931	57,394
Motorcycles, bicycles, and parts	705	847	1,180	1,180	1,143	1,151	1,283	1,044	1,032
Railroad equipment	3,895	4,002	7,173	4,567	2,879	1,946	2,871	2,736	2,513
Ship building and repairing ²	5,513	6,270	8,889	10,880	10,855	8,342	9,483	9,358	8,540

NA Not available. ¹ See table 1051 for number of civil aircraft shipments. ² Value of work done.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1977*, and *1982*, and *Annual Survey of Manufactures*.

No. 1320. HOME APPLIANCES AND HOME AUTO ELECTRONICS—IMPORTS: 1984 TO 1987

ITEM	NUMBER (1,000)				RETAIL VALUE (\$1,000)			
	1984	1985	1986	1987	1984	1985	1986	1987
Major appliances:								
Freezers	88	35	198	167	21,373	4,129	42,400	43,074
Microwave ovens	4,471	12,881	8,787	8,724	558,142	775,578	769,189	674,220
Refrigerator/freezer combination	1,072	1,213	1,545	1,708	84,955	105,383	120,540	138,574
Audio:								
Antennas, CB	882	888	1,019	575	3,315	3,102	5,702	2,832
Antennas, radio	9,745	9,844	11,583	8,228	52,203	46,182	63,465	38,386
Audio frequency elec. amplifiers	3,828	4,519	4,284	5,487	188,879	283,473	248,366	282,887
Headphones ¹	30,199	26,395	25,882	52,880	118,257	101,976	104,897	142,832
Loudspeakers	44,290	84,237	71,185	124,589	278,226	365,889	391,394	301,514
Microphones	2,249	2,175	5,824	18,172	25,240	26,925	34,586	47,133
Radios, total	48,425	47,155	43,282	43,578	688,278	814,802	716,393	773,281
Auto translators	539	2,841	2,828	2,329	30,885	208,783	183,408	159,367
Clock translator	15,571	13,031	13,886	12,858	196,932	195,914	138,861	122,040
AM translator (not battery)	867	895	532	841	15,195	28,708	28,819	19,774
AM translator (battery)	5,784	4,854	3,073	2,482	30,328	25,236	10,006	8,335
FM AM/FM multi-band translator radios (not battery)	3,007	3,359	2,856	2,871	182,842	180,007	172,715	253,222
FM AM/FM multi-band translator radios (battery operated)	22,857	22,277	20,199	22,398	230,518	205,154	184,886	210,543
Radio/phone combination ¹	48	56	46	123	2,334	3,886	7,942	25,832
Radio/phone/tape player combination	430	1,795	1,132	718	28,511	118,272	74,811	42,529
Record changers, auto	175	385	15	15	3,500	14,306	2,837	3,918
Stereo phones	247	354	51	108	14,890	18,853	4,306	6,890
Video:								
Antennas, TV	8,856	6,532	4,412	4,325	12,535	8,525	6,427	8,383
TV, black and white	5,340	4,188	5,314	4,404	283,388	215,205	230,711	217,311
TV, color	5,398	8,145	9,447	6,272	1,022,740	985,200	1,375,936	908,840
Videotape recorders	9,857	18,788	18,216	19,840	2,882,407	4,304,000	4,543,425	2,984,089
Home video camera, B and W	119	199	230	388	38,503	52,044	77,535	78,221
Home video camera, color	730	880	327	144	385,438	387,384	283,851	135,975
Picture tubes, B and W and color	1,228	2,359	2,895	1,348	69,428	108,999	132,308	68,283

¹ Includes sound amplifier sets. ² Includes consoles.

Source: Centrocopia Merchandising, Philadelphia, PA, Merchandising, 60th Annual Statistical and Marketing Report.

No. 1321. HOME APPLIANCES AND HOME AND AUTO ELECTRONICS—SHIPMENTS AND RETAIL VALUE: 1983 TO 1987

[Compiled from report of associations and manufacturers. Retail value represents median price of product times the number of units shipped. Except as indicated, covers electric appliances only]

PRODUCT	MANUFACTURES SHIPMENTS (1,000 units)					RETAIL VALUE (mil. dol.)				
	1983	1984	1985	1986	1987	1983	1984	1985	1986	1987
Major appliances	34,421	41,376	43,863	46,882	50,739	14,439	16,986	17,537	18,463	19,489
Air treatment	2,462	3,738	3,712	3,555	4,826	886	1,405	1,491	1,328	1,738
Air conditioners	1,829	2,829	2,800	2,785	3,658	805	1,294	1,286	1,130	1,502
Dehumidifiers	437	567	585	553	708	80	107	108	80	113
Air cleaners, electronic	196	220	226	237	271	82	95	99	108	123
Kitchen appliances										
Refrigerators ¹	5,255	5,731	5,874	6,284	6,724	3,807	4,001	4,121	4,289	4,557
Microwave ovens	6,008	8,080	10,693	12,868	12,741	2,586	3,382	3,488	3,800	3,541
Ranges, electric	2,899	3,164	3,216	3,532	3,818	1,299	1,477	1,517	1,888	1,880
Dishwashers	3,054	3,428	3,512	3,874	3,874	1,205	1,388	1,416	1,541	1,568
Freezers ²	1,188	1,114	1,140	1,154	1,180	586	545	546	517	528
Ranges, gas	1,576	1,736	1,807	1,886	2,132	696	785	821	880	982
Disposers	3,514	4,052	4,008	4,198	4,175	385	486	488	484	500
Home laundry	7,428	8,185	8,826	9,544	10,084	3,034	3,414	3,558	3,831	4,024
Dryers	3,111	3,484	3,701	4,114	4,421	1,102	1,259	1,325	1,451	1,544
Washers	4,316	4,711	4,825	5,430	5,663	1,932	2,154	2,231	2,379	2,479
Compact appliances ³	1,258	1,325	1,512	1,400	1,493	334	366	389	374	382
Video	24,684	29,821	23,393	37,131	37,761	10,989	12,841	(NA)	15,111	15,883
TV, color	19,839	15,946	16,894	16,866	19,774	6,895	7,297	7,250	7,832	7,813
Videocassette recorders	4,080	7,143	11,912	12,885	12,304	2,303	3,444	(NA)	5,057	4,786
TV, black and white	5,761	5,038	3,745	3,730	3,808	814	518	367	364	340
Camcorders	(NA)	(NA)	(NA)	1,090	1,436	(NA)	(NA)	(NA)	1,213	1,424
TV projection	142	182	281	816	295	285	347	437	884	857
Video cameras	410	484	402	181	110	368	380	266	118	77
Video cassette players	(NA)	(NA)	(NA)	150	182	(NA)	(NA)	(NA)	26	28
Videodisc players	312	186	178	125	142	106	55	51	25	26
Audio/HIFI	74,344	72,396	73,187	81,103	82,348	4,846	4,867	4,883	5,542	5,518
Components ⁴	8,588	8,378	8,800	10,914	11,270	1,518	1,510	1,853	2,041	2,064
Amps, pre-amps, tuners	581	549	537	597	609	167	163	151	188	173
Compact disc players	46	200	850	1,384	1,675	33	104	284	358	348
Speakers	3,237	3,302	3,345	3,789	3,971	452	485	474	585	570
Receivers	1,550	1,553	1,533	1,843	1,857	380	381	384	483	506
Turntables	2,120	1,896	1,442	1,686	1,382	280	213	172	167	182
Tape decks	880	890	908	1,808	1,458	172	181	175	284	282
Portable tape equipment	28,422	27,109	27,526	30,636	30,763	1,421	1,380	1,339	1,446	1,442
Packed systems	540	810	877	854	817	368	492	528	580	534
Radios	28,186	27,391	27,528	29,896	30,878	889	823	808	845	818
Compact systems	1,912	1,833	2,112	2,484	2,534	439	414	433	421	433
Headphones	2,809	3,090	3,167	3,425	3,534	125	134	124	140	148
Cartridges	3,774	3,586	3,047	2,795	2,539	122	114	84	86	78
Mobile electronics	22,327	22,863	24,719	26,495	26,614	2,828	2,361	2,388	3,111	3,439
Autosound ⁴	19,835	21,299	21,783	21,825	22,881	1,793	1,835	1,887	2,022	2,173
UD ⁵ cassette player	684	815	554	486	423	59	46	38	30	27
UD ⁵ cassette/radio combo	519	428	371	303	274	59	40	31	24	21
ID ⁵ cassette/radio combo	3,541	3,822	4,030	3,889	4,053	578	754	789	814	848
Radio only	975	832	857	757	887	104	84	81	85	69
Car speakers (in pairs)	13,427	14,536	15,182	16,010	16,241	834	836	878	942	983
Radar detectors	710	842	1,227	1,888	1,834	110	137	167	283	277
Citizen band radios	1,582	1,837	1,729	1,884	1,897	125	126	135	148	153
Cellular telephones	(NA)	85	(NA)	285	391	(NA)	182	(NA)	423	509
Auto security systems	(NA)	(NA)	(NA)	1,028	1,371	(NA)	(NA)	(NA)	257	308
Home office	26,746	37,680	28,041	28,388	42,737	1,234	1,108	1,116	6,348	6,844
Calculators	30,885	31,400	33,186	31,318	33,827	925	948	930	727	638
Electronic typewriters	260	650	850	2,038	2,186	109	154	185	446	484
Personal computers	4,800	5,000	4,025	3,075	3,598	(NA)	(NA)	(NA)	2,883	3,313
Monitors	(NA)	(NA)	(NA)	890	898	(NA)	(NA)	(NA)	190	187
Printers	(NA)	(NA)	(NA)	1,588	1,599	(NA)	(NA)	(NA)	1,071	1,038
Personal copiers	(NA)	(NA)	(NA)	289	291	(NA)	(NA)	(NA)	238	256
Facsimile machines	(NA)	(NA)	(NA)	181	228	(NA)	(NA)	(NA)	584	715
Electronic furniture	5,188	5,850	6,386	6,673	6,779	888	838	888	1,888	1,886
Specialty radios	5,187	5,378	5,188	5,184	5,408	(NA)	(NA)	(NA)	477	488
Satellite earth stations	(NA)	488	880	258	282	(NA)	1,318	1,388	513	888
Software										
Audio										
Blank audiocassettes	251,855	280,809	268,188	268,500	327,570	587	585	570	451	582
Video										
Blank videotape	61,880	66,363	158,088	* 276,438	* 280,551	725	925	1,132	* 1,181	* 1,075
Beta	15,870	25,382	27,867	34,795	29,576	175	224	210	145	100
VHS	45,820	72,951	128,191	240,643	249,475	550	700	923	1,036	958
Pre-recorded videotape	9,806	19,890	43,100	* 65,441	* 88,183	521	983	1,913	* 2,418	* 2,417
Beta	2,633	4,822	7,430	6,707	5,947	131	221	301	248	187
VHS	6,973	14,788	36,670	58,234	62,701	389	742	1,613	2,180	2,211
Blank floppy disks	193,000	241,250	205,083	425,000	545,403	(NA)	(NA)	(NA)	680	784
Telephone equipment										
Corded telephones	15,068	22,830	22,403	23,788	24,046	1,188	884	883	1,006	884
Cordless telephones	4,488	5,500	4,078	4,279	4,841	610	598	380	410	438
Telephone answering equipment	2,084	2,628	3,306	4,858	5,555	284	296	371	535	578

NA Not available. ¹ 6.5 cu. ft. and over. ² 10 cu. ft. and over. ³ Refrigerators, freezers, washers, and dryers. ⁴ Includes others not shown separately. ⁵ UD—under dash, ID—in dash.

Source: Desktopco Merchandising, Philadelphia, PA, Merchandising, 88th Annual Statistical and Marketing Report.



Section 28

Domestic Trade and Services

This section presents statistics relating to the distributive trades and service industries. Data shown for the trades, classified by kind of business, and for the various categories of services (e.g., personal, business, repair, hotel) cover sales or receipts, establishments, employees, payrolls, and other items. Also included are data for franchised businesses.

The principal sources of these data are census reports and survey reports of the Bureau of the Census. Data on gross product in trade and service industries appear in the monthly *Survey of Current Business*, issued by the U.S. Bureau of Economic Analysis. Financial data for firms engaged in retail, wholesale, or service activities appear in the annual *Statistics of Income*, published by the Internal Revenue Service.

Censuses.—Censuses of retail trade, wholesale trade, and the service industries have been taken at various intervals since 1929. Beginning with the 1967 Census, legislation provides for a census to be conducted every 5 years (for years ending in "2" and "7").

The establishments covered in the censuses and surveys of business are those classified in 3 divisions defined in the *Standard Industrial Classification Manual, 1972* (see text, section 13). *Retail trade* refers to places of business primarily engaged in selling merchandise for personal or household consumption; *wholesale trade*, to establishments primarily engaged in selling goods to dealers and distributors for resale or to purchasers who buy for business and farm uses; and *services*, to establishments primarily engaged in providing a wide range of services for individuals and for businesses.

Data from the 1958 Census of Retail Trade exclude nonemployer establishments which had annual receipts of less than \$2,500. Beginning with the 1963 censuses, nonemployer establishments which did not operate the entire year were included if, during the period they operated, their receipts were at a rate which would have reached specified annual totals had they operated the entire year. Beginning with the 1972 Census of Retail Trade, nonemployer establishments are included if, on an annual basis, they reported sales volume of at least \$1,000. The Census of Wholesale Trade excludes establishments with no paid employees. Beginning in 1977, sales taxes and finance charges are excluded in sales (or receipt) figures of the three censuses.

In 1977 the Census of Service Industries included for the first time health services (except dental laboratories), educational services, social services, membership organizations, and others performing a professional or scientific service (except engineering, architectural, and surveying services). Religious organizations and private households were not covered. While most of these industries were again included in the 1982 census, some were not. In 1982, data were not collected for hospitals, elementary and secondary schools, colleges and universities, labor unions and similar organizations, and political organizations. Also in 1977, tax-exempt service industries were covered for the first time.

The Census of Retail Trade beginning in 1977, excludes nonemployer direct sellers. In 1982, the census treated each leased department in a store as a separate establishment and classified it according to the kind-of-business it conducted. In prior years, data for leased departments were consolidated with the data for stores in which they were located.

In the retail and service censuses prior to 1982, combined data for all establishments (nonemployer firms plus establishments of employer firms) were presented for selected kind-of-business classifications. In 1982 these data could not be published by kind-of-business because many nonemployer firms were miscoded by the Internal Revenue Service (IRS) into miscellaneous categories rather than specific kind-of-business. For retail trade and services, total establishment summary data are available but kind-of-business detail are available only on a national level from the Bureau.

Current surveys.—Current sample surveys conducted by the Bureau of the Census cover various aspects of the retail and wholesale trade and selected service industries. Its *Monthly Retail Trade Report* contains monthly estimates of sales, inventories, and sales of organizations operating 11 or more retail stores (see table 1330), for the United States, by kind of business. In addition,

monthly retail sales data for census regions and divisions, large States, metropolitan areas, and cities are included. Annual figures on sales, yearend inventories, and sales/inventory ratios, by kind of business, appear in the *Annual Retail Trade Report*.

Statistics from the Bureau's monthly wholesale trade survey include national estimates of merchant wholesalers' sales, inventories, and stock-sales ratios by major summary groups—durable and nondurable—and selected kinds of businesses. Merchant wholesalers are these wholesalers who take title to the goods they sell (e.g., jobbers, exporters, importers, major distributors). These data, based on reports submitted by a sample of firms, appear in the *Monthly Wholesale Trade Report*. Annual figures on sales, sales-inventory ratios, and yearend inventories appear in the *Annual Wholesale Trade Report*.

The *Service Annual Survey* provides annual estimates of receipts for selected service establishments for the United States as a whole.

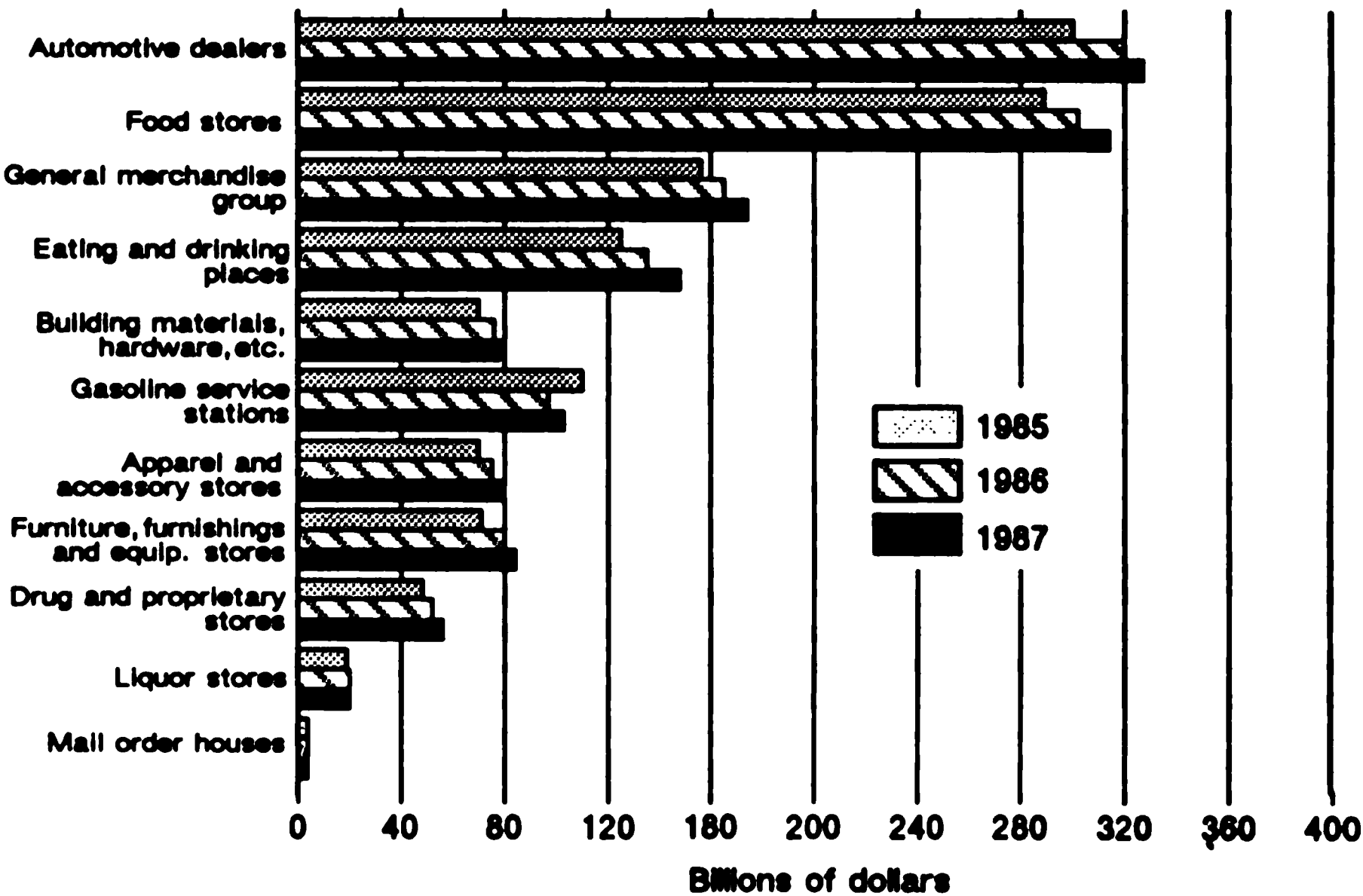
For the current sample survey programs, retail trade coverage is the same as for the census; wholesale trade coverage is limited to merchant wholesalers; and selected services coverage is less inclusive than the census.

Estimates obtained from annual and monthly surveys are based on sample data and are not expected to agree exactly with results that would be obtained from a complete census of all establishments. Data include estimates for establishments not reporting.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

Figure 28.1
Retail Store Sales by Kind of Business: 1985 to 1987



Source: Chart prepared by U.S. Bureau of the Census. For data see table 1329.

NO. 1322. GROSS NATIONAL PRODUCT IN DOMESTIC TRADE AND SERVICE INDUSTRIES IN CURRENT AND CONSTANT (1982) DOLLARS: 1970 TO 1987

[In billions of dollars, except percent. For definition of gross national product, see text, section 14. Based on 1972 Standard Industrial Classification]

INDUSTRY	1970	1975	1980	1981	1982	1982	1984	1985	1985	1987
CURRENT DOLLARS										
Wholesale and retail trade.....	168.7	273.7	438.9	483.1	508.5	542.9	613.9	658.2	698.4	740.4
Percent of gross national product.....	16.6	17.1	16.1	15.6	16.0	15.9	16.3	16.4	16.5	16.4
Wholesale trade	68.2	117.5	193.9	214.0	219.0	228.5	263.1	280.8	294.8	313.0
Retail trade.....	100.5	156.2	245.0	269.1	287.5	316.4	350.8	377.4	403.6	427.4
Services.....	120.2	198.8	374.0	422.8	463.8	515.5	580.2	648.1	716.3	793.5
Percent of gross national product.....	11.6	12.5	13.7	13.8	14.6	15.1	15.4	16.1	16.9	17.5
Hotels and other lodging places.....	6.3	10.1	18.9	20.4	21.7	24.3	27.0	30.4	32.7	35.8
Personal services.....	9.3	11.4	18.8	19.5	21.3	23.1	25.0	29.7	32.2	34.4
Business services.....	18.0	30.6	68.8	79.9	90.7	104.8	125.3	145.8	161.6	179.3
Auto repair, services, and garages.....	6.3	11.2	21.1	23.1	23.5	26.1	29.2	33.2	36.1	38.9
Miscellaneous repair services	2.7	4.6	9.2	9.2	9.6	10.8	12.8	12.4	13.4	13.9
Motion pictures.....	2.3	3.1	5.0	5.5	6.3	6.6	7.3	9.0	9.5	10.7
Amusement and recreation services.....	4.8	7.7	12.4	14.0	15.1	16.8	17.8	19.9	21.8	24.0
Health services.....	31.4	57.8	106.1	124.7	142.0	156.1	169.0	184.6	199.1	223.7
Legal services.....	7.3	12.5	23.3	25.9	30.6	35.0	41.6	46.3	53.7	62.3
Educational services.....	7.1	11.4	16.0	17.5	19.1	21.0	23.5	25.8	27.2	29.6
Social services and membership organizations.....	10.0	15.9	26.3	28.4	30.5	32.8	35.7	38.3	41.7	45.3
Miscellaneous professional services	10.3	16.6	39.6	47.5	45.7	49.9	56.9	63.6	78.3	86.4
Private households.....	4.5	4.6	6.6	7.0	7.6	8.2	8.9	9.0	9.1	9.2
CONSTANT (1982) DOLLARS										
Wholesale and retail trade.....	367.8	433.1	500.4	507.3	506.5	528.0	578.9	610.3	642.9	680.0
Percent of gross national product.....	15.2	16.1	15.7	15.6	16.0	16.1	16.5	16.9	17.3	17.2
Wholesale trade	152.0	185.6	213.5	218.4	219.0	222.0	250.6	268.5	282.7	291.7
Retail trade.....	215.6	247.5	286.9	288.9	287.5	307.0	328.3	341.8	360.2	388.3
Services.....	286.7	352.4	442.8	462.5	463.8	463.8	514.0	546.4	578.9	610.3
Percent of gross national product.....	12.2	13.1	13.9	14.2	14.6	14.8	14.7	15.1	15.6	15.9
Hotels and other lodging places.....	17.1	19.2	22.6	22.3	21.7	22.5	22.9	23.5	23.4	24.3
Personal services.....	22.9	21.1	22.2	21.0	21.3	21.8	22.4	25.4	26.4	27.1
Business services.....	47.5	57.1	84.0	88.5	90.7	100.0	111.0	120.8	129.8	139.7
Auto repair, services, and garages.....	14.9	19.2	24.4	24.5	23.5	25.2	27.3	30.1	31.7	32.9
Miscellaneous repair services	5.9	7.4	8.8	9.7	9.6	9.7	10.2	10.3	10.1	10.2
Motion pictures.....	4.8	5.2	5.7	5.6	6.3	6.2	6.3	7.5	7.7	7.8
Amusement and recreation services.....	9.2	11.3	13.7	14.7	15.1	16.1	16.4	17.9	18.9	20.3
Health services.....	77.8	103.5	129.4	137.7	142.0	146.7	153.1	158.9	165.7	176.9
Legal services.....	23.2	24.7	28.9	30.6	30.6	31.6	32.8	35.0	36.3	37.9
Educational services.....	14.6	16.8	18.1	18.6	19.1	19.8	20.6	21.5	21.6	22.4
Social services and membership organizations.....	22.1	25.7	30.2	30.5	30.5	31.1	32.3	33.3	34.7	35.9
Miscellaneous professional services	24.4	33.0	47.1	51.3	45.7	47.7	49.9	53.6	63.8	66.7
Private households.....	11.3	6.2	7.4	7.3	7.6	6.1	8.8	8.8	8.8	8.8

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July issues.

NO. 1323. PERSONS WORKING IN DOMESTIC TRADE AND SERVICE INDUSTRIES: 1970 TO 1987

[In thousands. Data represent worker-years of full-time equivalent employment by persons working for wages or salaries and number of active partners and proprietors of unincorporated businesses who devote a majority of their working hours to their unincorporated businesses. Based on 1972 Standard Industrial Classification]

INDUSTRY	1970	1975	1980	1981	1982	1982	1984	1985	1985	1987
Wholesale and retail.....	14,889	16,509	19,395	19,604	19,419	19,815	21,038	21,747	22,215	22,941
Wholesale trade	4,123	4,521	5,396	5,522	5,409	5,409	5,697	5,804	5,838	5,998
Retail trade.....	10,766	11,979	13,999	14,082	14,010	14,406	15,341	15,943	16,377	16,943
Services.....	13,380	15,650	19,526	20,230	20,729	21,571	22,895	23,929	24,807	26,107
Hotels and other lodging places.....	1,003	1,117	1,261	1,310	1,340	1,382	1,461	1,571	1,603	1,670
Personal services.....	1,341	1,182	1,330	1,337	1,334	1,379	1,443	1,503	1,528	1,595
Business services.....	1,666	2,054	3,077	3,251	3,345	3,703	4,273	4,650	5,010	5,483
Auto repair, services, garages.....	508	638	838	865	909	927	1,022	1,080	1,129	1,158
Miscellaneous repair services	316	369	475	519	515	523	548	555	544	546
Motion pictures.....	181	217	249	268	268	274	280	283	295	304
Amusement, recreation services.....	402	520	683	695	702	717	747	751	764	789
Health services.....	2,905	4,114	5,218	5,461	5,677	5,821	5,972	6,142	6,356	6,647
Legal services.....	401	501	690	732	766	830	883	921	952	1,048
Educational services.....	1,001	1,151	1,241	1,277	1,311	1,360	1,414	1,470	1,480	1,532
Social services and membership organizations.....	1,756	2,025	2,361	2,373	2,382	2,470	2,545	2,607	2,722	2,856
Miscellaneous professional services	746	939	1,348	1,402	1,435	1,447	1,541	1,633	1,671	1,741
Private households.....	1,154	793	755	740	727	738	766	753	753	740

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July issues.

No. 1324. RETAIL TRADE—SUMMARY: 1954 TO 1982

[Prior to 1958 and as noted, excludes Alaska and Hawaii. 1972 through 1982 not strictly comparable with prior years due to changes in Standard Industrial Classification; for details, see source. See also *Historical Statistics, Colonial Times to 1970*, series T 43-47 and T 79-91]

ITEM	Unit	1984	1985	1983	1987	1972	1977	1982
Firms, total.....	1,000	(NA)	(NA)	1,532	1,577	1,685	1,567	1,573
Multiunit establishments ¹	1,000	167	² 183	220	220	301	343	415
Establishments, total.....	1,000	1,722	1,795	1,708	1,763	1,780	1,855	1,923
With payroll.....	1,000	1,124	1,185	1,206	1,192	1,265	1,304	1,330
With sales of \$1,000,000 or more.....	1,000	(NA)	(NA)	(NA)	(NA)	74	119	193
Consumer Price Index: ³								
All items.....	1982-84 = 100..	26.9	26.9	30.6	33.4	41.8	60.6	96.5
All commodities.....	1982-84 = 100..	31.6	33.3	34.4	36.8	44.5	64.2	97.0
Sales.....	Bil. dol.....	170.0	200.4	244.2	310.2	457.4	723.1	1,085.9
By establishments with payroll.....	Bil. dol.....	157.9	187.8	233.1	295.2	440.2	699.6	1,039.0
By multiunit establishments ¹	Bil. dol.....	51.2	² 67.2	69.5	123.5	201.6	340.7	566.7
Percent of total sales.....	Percent.....	30.1	33.5	36.6	39.8	44.0	47.1	53.2
Percent of multiunit sales by 101-or-more establishment multiunits ^{1 4}	Percent.....	41.8	42.4	43.1	46.7	55.8	55.8	54.5
In 1982 dollars ⁵	Bil. dol.....	(NA)	(NA)	845.0	763.9	943.3	1,054.2	1,085.9
Percent of sales by corporations.....	Percent.....	48.4	53.0	61.9	67.4	76.4	79.8	84.6
Per capita sales: ⁶								
Current dollars.....	Dollars.....	1,055	1,156	1,296	1,571	2,186	3,291	4,599
Constant (1982) dollars ⁶	Dollars.....	(NA)	(NA)	3,423	3,869	4,508	4,793	4,599
Sales as percent of personal income.....	Percent.....	58.6	² 55.5	52.4	49.3	46.1	46.9	41.5
Sales, inside SMSAs ⁷	Bil. dol.....	(NA)	² 133.0	169.8	221.4	(NA)	551.8	845.0
Percent of total sales.....	Percent.....	(NA)	68.4	69.5	71.4	(NA)	76.3	79.3
Payroll, entire year.....	Bil. dol.....	18.2	21.7	27.6	36.2	55.4	85.9	123.6
Percent of sales.....	Percent.....	11.5	² 11.5	11.3	11.7	12.1	11.9	11.6
Paid employees, March 12 workweek ⁸	1,000	7,124	7,942	8,410	9,361	11,211	13,040	14,466

NA Not available. ¹ Establishments operated by firms which operate at two or more locations. Beginning 1982, includes single units operated by multiunit establishments. 1972 and 1977 data revised since originally published. ² Excludes Alaska and Hawaii. ³ Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*. For 1982, CPI-U, see text, section 14. ⁴ For 1982, data provided for percent of multiunit sales by 100-or-more establishment units. ⁵ Based on implicit price deflators for retail sales supplied by U.S. Bureau of Economic Analysis. ⁶ Based on estimated resident population as of July 1. ⁷ For definition of SMSA, see Appendix II. ⁸ 1954-1983 data for week including November 15.

Source: Except as noted, U.S. Bureau of the Census, *U.S. Census of Business: 1954*, vol. I; *1958*, vol. I; *1963*, vol. I; *1967*, vol. I; and *Census of Retail Trade, 1972*, RC 72-S-1, *1977*, RC 77-52 and *1982*, RC 82-A-52 and RC 82-I-1.

No. 1325. RETAIL TRADE ESTABLISHMENTS—NUMBER, SALES, AND EMPLOYEES, BY KIND OF BUSINESS: 1977 AND 1982

[Data for 1977 are adjusted for comparable treatment of leased departments between 1977 and 1982. Each kind-of-business classification includes leased departments classified in that kind of business as if they were separate establishments. See *Historical Statistics, Colonial Times to 1970*, series T 79-196 for similar but not comparable data]

KIND OF BUSINESS	ESTABLISHMENTS (1,000)		SALES (mil. dol.)		ANNUAL PAYROLL (mil. dol.)		PAID EMPLOYEES ¹ (1,000)	
	1977	1982	1977	1982	1977	1982	1977	1982
Retail trade, total.....	1,670.4	1,923.2	720,469	1,086,917	66,417	123,619	12,968	14,466
Building materials, hardware, garden supply, and mobile home dealers ²	90.6	86.5	38,914	50,993	4,372	6,221	471	504
Building materials, supply stores.....	40.6	40.1	27,123	35,144	2,993	4,179	294	307
General merchandise group stores ²	48.9	44.7	87,825	120,414	11,906	14,822	1,665	1,839
Department stores (incl. leased depts.) ³	8.8	10.0	76,909	107,163	10,743	(NA)	1,644	(NA)
Department stores (excl. leased depts.) ³	8.8	10.0	71,053	99,170	9,906	12,495	1,519	1,515
Food stores ²	252.9	241.7	158,444	246,121	14,777	23,530	1,964	2,348
Grocery stores.....	179.0	166.0	148,116	230,696	13,370	21,364	1,694	2,031
Automotive dealers ²	139.7	129.3	150,130	193,515	13,338	16,862	1,119	1,051
Motor vehicle dealers:								
New and used cars.....	30.8	27.2	121,826	154,726	10,274	12,309	790	699
Used cars only.....	37.0	34.6	6,945	8,207	374	450	42	36
Auto and home supply stores.....	47.7	46.8	13,095	21,156	1,968	3,223	210	245
Gasoline service stations.....	177.6	135.5	56,636	97,440	3,634	4,768	673	804
Apparel and accessory stores ²	147.8	159.0	37,164	57,816	5,207	7,563	666	979
Women's clothing and specialty stores and furriers.....	55.1	58.8	13,629	22,264	1,902	2,758	353	397
Family clothing stores.....	21.6	23.7	7,972	13,660	1,033	1,671	163	219
Shoe stores.....	33.4	39.4	7,058	11,419	969	1,571	146	169
Furniture, home furnishings, and equipment stores.....	139.1	131.7	33,315	46,761	4,583	6,267	515	543
Radio, television, and music stores.....	36.6	35.2	6,180	13,813	1,023	1,662	124	146
Eating and drinking places ²	369.0	361.7	63,371	104,592	15,437	25,708	3,765	4,666
Eating places.....	275.2	301.7	55,670	95,091	14,040	23,987	3,431	4,341
Drug and proprietary stores.....	50.3	52.0	23,361	36,440	3,154	4,605	463	496
Miscellaneous retail stores ²	454.7	559.0	71,279	111,824	8,810	13,232	1,246	1,436
Liquor stores.....	44.6	41.5	13,031	18,146	916	1,310	146	167
Fuel and ice dealers.....	20.3	15.7	10,168	17,059	1,026	1,406	101	96

NA Not available. ¹ For pay period including March 12. ² Includes other kinds of businesses, not shown separately. ³ Includes sales from catalog order desks.

Source: U.S. Bureau of the Census, *1982 Census of Retail Trade*.
ing sheet, June 1985).

NO. 1326. RETAIL TRADE—ESTABLISHMENTS, EMPLOYEES, AND PAYROLL: 1960 TO 1966

[Excludes government employees, railroad employees, self-employed persons, etc. For statement on methodology, see Appendix III]

SIC ¹ code	KIND OF BUSINESS	ESTABLISHMENTS (1,000)			EMPLOYEES (1,000)			Payroll, 1966 (\$ mil. dot.)
		1960	1965	1966	1960	1965	1966	
(G)	Retail trade, total.....	1,222.9	1,406.5	1,461.2	16,947	18,962	17,660	196
52	Building materials and garden supplies ²	62.4	66.5	66.6	535	565	626	9
521	Lumber and other building materials.....	24.2	26.3	26.9	289	322	347	6
522	Paint, glass, and wallpaper stores.....	6.6	8.3	8.5	44	46	49	1
525	Hardware stores.....	16.4	19.5	19.4	129	134	143	2
526	Retail nurseries and garden stores.....	6.3	8.5	8.6	43	56	61	1
53	General merchandise stores ²	26.9	35.3	36.0	1,966	1,842	1,854	19
531	Department stores.....	9.2	10.0	10.9	1,591	1,515	1,530	16
533	Variety stores.....	12.4	10.7	10.5	186	153	144	1
539	Misc. general merchandise stores.....	14.9	13.8	14.2	179	170	174	2
54	Food stores ²	157.6	162.7	167.4	2,225	2,595	2,723	29
541	Grocery stores.....	115.0	130.3	133.1	1,917	2,241	2,358	26
546	Retail bakeries.....	15.7	19.0	19.9	148	174	176	1
55	Automotive dealers and service stations ²	202.3	200.9	201.6	1,745	1,955	1,930	34
551	New and used car dealers.....	27.2	26.1	26.2	793	836	864	21
553	Auto and home supply stores.....	35.2	41.2	41.9	225	264	271	4
554	Gasoline service stations.....	116.9	105.8	103.9	601	609	614	6
56	Apparel and accessory stores ²	124.6	139.3	141.6	944	1,034	1,081	10
561	Men's and boys' clothing and furnishings.....	18.1	15.9	15.4	140	118	117	1
562	Women's ready-to-wear stores.....	40.0	44.4	45.1	350	367	414	3
565	Family clothing stores.....	14.5	16.6	15.9	164	221	226	2
566	Shoe stores.....	32.5	37.3	37.4	179	194	195	2
57	Furniture and home furnishings stores ²	94.4	98.0	101.4	577	631	666	10
571	Furniture and home furnishings stores.....	50.4	54.3	55.5	362	383	376	6
5712	Furniture stores.....	29.1	29.3	29.7	239	225	230	4
572	Household appliance stores.....	10.0	8.8	10.1	65	63	66	1
5732	Radio and television stores.....	14.3	23.2	24.0	66	140	153	2
58	Eating and drinking places ²	262.5	361.3	362.6	4,492	5,302	5,577	36
5812	Eating places.....	217.3	261.4	266.5	4,053	4,879	5,087	34
5813	Drinking places.....	54.0	62.6	50.2	319	277	268	2
59	Miscellaneous retail ²	260.3	317.8	327.2	1,914	2,133	2,206	26
591	Drug stores and proprietary stores.....	46.8	50.7	50.9	466	536	542	6
592	Liquor stores.....	26.7	32.6	32.4	140	154	153	1
5941	Sporting goods and bicycle shops.....	15.8	16.3	16.6	96	104	106	1
5944	Jewelry stores.....	20.2	23.4	24.5	140	133	136	2
5947	Gift, novelty, and souvenir stores.....	16.5	23.0	23.4	64	120	123	1
5961	Mail order houses.....	6.4	7.1	6.2	134	114	111	2
5962	Florists.....	16.0	23.5	24.4	60	114	121	1
	Administrative and auxiliary.....	11.9	13.0	13.1	650	775	765	16

¹ Standard Industrial Classification; see text, section 13. ² Includes industries not shown separately.

Source: U.S. Bureau of the Census, *County Business Patterns*, annual.

NO. 1327. LARGEST RETAILING COMPANIES—SALES, ASSETS, NET INCOME, AND EMPLOYEES, BY SALES GROUP: 1960 TO 1966

[Sales, assets, and net income in billions of dollars; employees in thousands; except percent. Excludes large privately owned companies that do not publish sales. Includes all reported data for fiscal years ending not later than January following year stated]

RANK BY SALES GROUP	SALES ¹			ASSETS ²			NET INCOME ³			EMPLOYEES ⁴		
	1960	1965	1966	1960	1965	1966	1960	1965	1966	1960	1965	1966
50 largest.....	360.8	319.3	325.8	66.3	195.0	198.4	3.6	7.6	7.6	3,346	3,967	3,763
Top 10.....	109.3	108.4	170.9	56.0	114.6	122.2	1.9	3.4	3.9	1,614	1,821	1,950
11th-20th.....	40.6	63.4	66.7	16.4	34.0	23.6	.5	1.3	1.6	591	720	656
21st-30th.....	23.8	41.8	38.0	12.9	25.5	24.7	.7	1.5	1.2	566	784	551
31st-40th.....	15.7	26.7	23.7	7.3	12.5	9.8	.5	.6	.5	324	317	199
41st-50th.....	11.5	19.1	17.3	4.3	5.2	6.1	.3	.8	.3	143	245	205
Percent of total:												
Top 10.....	54.4	52.7	55.3	56.2	58.9	64.6	48.7	44.3	51.3	49.8	45.6	51.8
11th-20th.....	20.2	19.9	20.5	17.0	17.4	12.5	12.3	17.0	21.1	16.2	18.5	22.8
21st-30th.....	11.8	13.1	11.7	12.7	13.1	13.1	18.5	20.2	15.6	17.8	20.2	14.6
31st-40th.....	7.6	8.4	7.3	7.6	6.4	6.2	13.6	8.3	6.6	10.0	6.1	5.3
41st-50th.....	6.7	6.0	5.3	4.5	4.2	4.3	6.8	10.2	3.9	4.4	6.3	5.4

¹ Includes sales of subsidiaries when they are consolidated and sales from discontinued operations. ² Total assets employed in business at end of fiscal year. ³ After taxes, and extraordinary charges and credits. ⁴ As of year end, or yearly average.

Source: Time, Inc., New York, NY, adapted from *The Fortune* (Director's). (Copyright.)

NO. 1328. RETAIL TRADE SALES—SUMMARY: 1970 TO 1987

[Data reflect use of a new sample of retail stores, based on kind-of-business classifications from the 1982 Census of Retail Trade, which was selected and implemented during 1988. Sales and inventory estimates from the old sample were converted to a level comparable with the new sample. Sales and inventories for leased departments and concessions are tabulated in the kind-of-business category of the leased department or concession. Based on Current Business Survey, see Appendix III. Minus sign (—) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series T 245, 246, and 255.]

YEAR	CURRENT DOLLARS							CONSTANT (1982) DOLLARS ⁴		
	Total sales (bil. dol.)	Annual percent change ¹	Per capita ² (dol.)	Index of sales (1982=100)	Durable goods (bil. dol.)	Nondurable goods (bil. dol.)		Total sales (bil. dol.)	Annual percent change ¹	Per capita ² (dol.)
						Total	Dept. stores ³			
1970	375.2	6.4	1,630	95.1	114.6	280.3	37.4	622.7	2.5	4,033
1971	414.2	10.4	2,002	98.7	126.4	278.8	41.8	674.7	8.3	4,229
1972	458.5	10.7	2,191	102.9	158.3	302.2	45.9	646.6	8.1	4,516
1973	511.9	11.6	2,422	107.2	177.2	334.7	51.0	686.7	4.8	4,887
1974	542.0	5.9	2,541	107.7	172.9	369.1	53.8	637.4	-5.4	4,384
1975	586.1	8.5	2,730	108.0	185.9	402.2	57.5	644.0	7	4,381
1976	655.4	11.6	3,017	114.4	220.4	435.0	63.5	1,007.2	6.7	4,629
1977	722.5	10.1	3,288	117.6	248.4	473.1	71.1	1,053.3	4.6	4,783
1978	804.2	11.3	3,621	125.2	281.4	522.7	78.0	1,088.0	4.1	4,835
1979	888.6	11.5	3,983	133.9	307.5	581.2	82.5	1,112.8	1.6	4,965
1980	957.3	8.8	4,212	141.3	300.2	657.1	88.2	1,073.3	-3.6	4,723
1981	1,036.7	8.5	4,523	147.1	328.2	712.4	86.6	1,077.4	4	4,882
1982	1,089.3	2.9	4,809	100.0	338.0	751.2	88.2	1,089.3	-8	4,809
1983	1,188.4	9.3	4,987	108.3	391.0	777.4	112.0	1,147.1	7.3	4,888
1984	1,282.6	9.8	5,424	119.9	454.0	828.6	123.8	1,228.5	6.9	5,187
1985	1,367.3	6.6	5,727	127.9	497.0	870.3	128.4	1,278.6	4.3	5,357
1986	1,437.5	5.1	5,962	134.4	538.8	908.6	137.2	1,350.3	5.6	5,801
1987	1,510.8	5.1	6,206	141.3	558.1	951.5	144.5	1,388.2	7	5,584

¹ Change from immediate prior year. ² Based on Bureau of the Census estimate of resident population as of July 1.

³ Excludes leased departments. ⁴ Based on implicit price deflators for retail sales supplied by U.S. Bureau of Economic Analysis.

Source: U.S. Bureau of the Census, *Current Business Reports, Revised Monthly Retail Sales and Inventories, January 1979 through December 1987*, (BR-13-878) and unpublished data.

NO. 1329. RETAIL TRADE—SALES, BY KIND OF BUSINESS: 1970 TO 1987

[In billions of dollars. Based on 1972 Standard Industrial Classification; see headnote, table 1328. Based on Current Business Survey, see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series T 245-271.]

SIC ¹ code	KIND OF BUSINESS	1970	1975	1980	1982	1983	1984	1985	1986	1987
	Retail trade, total	375.2	586.1	957.3	1,089.3	1,188.4	1,282.6	1,367.3	1,437.5	1,510.8
	Durable goods stores, total ²	114.6	185.9	300.2	338.0	391.0	454.0	497.0	538.8	588.1
55 exc. 554	Automotive dealers	85.2	107.3	164.7	193.5	229.2	271.2	299.5	320.3	326.9
561,2,5,6,7,9	Motor vehicle, misc. automotive dealers	59.2	97.3	146.2	172.4	206.9	247.7	273.6	294.4	299.6
561.2	Motor vehicle dealers	57.2	89.5	137.7	162.9	197.0	234.1	258.7	277.7	280.3
551	Motor vehicle dealers, franchised	54.3	84.9	130.5	154.7	187.0	224.2	248.7	268.0	267.1
553	Auto and home supply stores	6.0	10.1	18.5	21.2	22.3	23.6	25.9	25.9	27.0
52	Building materials, hardware, garden supply, mobile home dealers ³	18.1	27.5	50.8	51.0	56.5	65.6	70.4	75.8	78.0
521.3	Building materials, supply stores	11.3	17.9	35.0	35.1	40.8	46.1	49.1	54.1	57.9
525	Hardware stores	3.0	5.2	8.3	8.7	9.5	11.0	11.6	12.3	14.1
57	Furniture, home furnishings, equipment ²	17.0	27.0	44.2	46.6	55.3	63.0	71.3	80.3	84.1
571	Furniture, home furnishings stores	10.4	18.5	29.3	27.1	31.1	35.2	37.6	41.8	44.2
5722,32	Household appliance, radio, TV	5.6	8.2	14.0	15.6	20.1	23.7	29.2	33.3	34.5
	Nondurable goods stores, total ²	280.3	402.2	657.1	751.2	777.4	828.6	870.3	908.6	951.5
56	Apparel and accessory stores ²	22.1	32.4	53.4	57.8	60.0	64.0	69.8	74.8	79.1
561	Men's, boys' clothing, furnishings	4.5	8.6	7.7	7.8	8.0	8.4	8.7	9.0	9.0
562,3,6	Women's clothing, specialty stores, furriers	8.2	12.4	18.7	22.3	22.0	24.2	26.9	29.7	31.2
562	Women's ready-to-wear stores	7.1	11.4	17.0	20.4	20.1	21.6	24.3	26.7	26.2
565	Family clothing stores	4.4	6.7	10.6	13.7	15.1	15.8	16.8	17.8	19.5
566	Shoe stores	4.5	5.8	10.5	11.4	11.8	12.1	12.7	13.4	14.6
591	Drug and proprietary stores	14.6	20.0	31.0	36.4	40.6	44.5	47.9	51.6	56.0
58	Eating and drinking places	30.5	51.1	90.1	104.6	112.5	119.6	125.1	135.3	147.6
5812	Eating places	25.5	44.4	80.4	96.1	102.7	109.4	114.2	123.8	135.1
54	Food stores	90.0	138.7	220.2	246.1	257.1	274.2	288.6	301.8	314.3
541	Grocery stores	82.6	129.1	205.6	230.7	241.1	256.0	271.9	284.1	298.1
554	Gasoline service stations	28.9	47.6	94.1	97.4	101.8	105.2	109.6	97.3	103.2
53	General merchandise group stores	49.1	73.7	106.6	120.4	135.1	148.7	155.9	165.1	175.9
531	Department stores ²	37.4	57.5	88.2	99.2	112.0	123.8	129.4	137.2	148.5
533	Variety stores	6.1	7.9	7.8	8.2	8.6	9.1	9.1	8.3	6.4
539	Misc. gen. merchandise group stores ⁴	5.7	8.3	12.6	13.0	14.5	15.6	17.3	19.8	20.9
592	Liquor stores	8.4	11.9	18.9	18.1	19.1	18.1	19.3	19.8	19.5
596	Non-store retailers	9.1	13.4	22.8	23.6	24.3	25.7	25.0	25.7	26.5
5991 pl.	Mail-order houses (department store merchandise)	1.8	2.6	4.3	4.3	4.3	4.8	4.2	3.7	3.8

¹ Standard Industrial Classification; see text, section 13. ² Includes kind of business, not shown separately.

³ Excludes leased departments. ⁴ Includes catalog showroom stores.

Source: U.S. Bureau of the Census, *Current Business Reports, Revised Monthly Retail Sales and Inventories, January 1979 through December 1987*, (BR-13-878) and unpublished data.

**NO. 1330. RETAIL TRADE—SALES OF MULTIUNIT ORGANIZATIONS, BY KIND OF BUSINESS:
1980 TO 1987**

(Data based on sales of companies which had 11 or more retail establishments according to the most recent update of multieestablishment files selected with certainty (i.e., their sales size exceeded specified dollar volume cutoffs which varied by kind of business). For details, see source. See also *Historical Statistics, Colonial Times to 1970*, series T 197-219)

SIC ¹ code	KIND OF BUSINESS	SALES (bil. dol.)						PERCENT OF TOTAL RETAIL SALES		
		1980	1983	1984	1985	1986	1987	1980	1986	1987
	Total sales	367.2	448.4	486.5	512.0	534.1	566.1	37.3	37.4	37.7
563	Durable goods stores	34.2	45.1	51.3	55.2	58.8	67.7	11.4	11.1	12.1
	Auto and home supply stores.....	4.7	5.1	5.4	6.0	6.7	7.2	26.2	23.3	26.6
	Nondurable goods stores²	322.9	403.3	434.1	456.8	474.4	501.4	46.1	52.5	52.7
56	Apparel and accessory stores ²	21.1	29.2	31.8	35.4	38.0	42.4	42.7	50.9	53.6
562,3,8	Women's ready-to-wear, accessory and fur.....	8.3	10.9	12.0	14.0	15.8	17.1	47.1	52.0	54.8
568	Shoe stores.....	5.3	6.8	7.1	7.5	8.3	8.9	50.8	59.2	60.9
591	Drug and proprietary stores.....	16.8	23.8	26.8	28.4	30.0	32.9	54.3	59.4	58.7
54	Food stores.....	119.8	148.0	155.3	164.3	171.1	179.8	54.4	58.9	57.2
541	Grocery stores.....	118.1	143.8	152.9	161.8	168.3	176.9	57.4	59.4	59.7
53	General merchandise group.....	98.5	124.9	137.8	144.2	153.1	162.3	90.6	92.5	92.3
531	Department stores.....	85.0	108.3	119.8	125.3	133.1	142.1	96.1	98.8	97.0
533	Variety stores.....	6.3	7.1	7.5	7.5	6.6	6.7	80.9	82.9	79.7
536	Misc. general merchandise group stores.....	7.3	9.5	10.5	11.3	13.3	13.5	58.1	95.3	64.4
5812	Eating places.....	22.8	29.3	31.5	32.8	35.0	37.5	28.1	28.7	27.7

¹ Standard Industrial Classification; see text, section 13. ² Includes kinds of business not shown separately.

Source: U.S. Bureau of the Census, *Current Business Reports*, series BR, *Revised Monthly Retail Sales and Inventories*, January 1978 through December 1987, (BR-13-875).

**NO. 1331. RETAIL TRADE—MERCHANDISE INVENTORIES AND SALES-INVENTORY RATIOS, BY KIND OF
BUSINESS: 1980 TO 1987**

(As of Dec. 31. Includes warehouses. See headnote, table 1328)

SIC ¹ code	KIND OF BUSINESS	INVENTORIES AT COST ² (bil. dol.)				SALES-INVENTORY RATIOS ³			
		1980	1986	1986	1987	1980	1986	1986	1987
	Total	117.8	179.2	180.5	206.1	8.1	7.8	8.0	7.4
	Total (excluding automotive dealers)	92.1	129.3	126.0	147.4	8.8	8.2	8.3	8.0
55 etc. 554	Durable goods stores⁴	55.5	67.9	69.8	106.7	5.4	5.7	6.0	5.2
551,2,5,6,7,9	Automotive dealers.....	25.8	45.9	45.5	57.7	6.4	6.5	7.0	5.7
551,2,5,6,7,9	Motor vehicle and misc. automotive dealers.....	22.1	41.1	40.8	52.9	6.6	6.7	7.2	5.7
551,2	Motor vehicle dealers.....	19.6	37.4	36.9	(NA)	7.0	6.9	7.5	(NA)
551	Motor vehicle dealers (franchised).....	19.0	38.0	35.2	(NA)	6.9	6.9	7.5	(NA)
553	Automotive and home supply stores.....	3.6	4.6	4.8	4.9	5.1	5.4	5.4	5.7
52	Building materials, hardware, garden supplies, mobile home dealers.....	9.3	13.0	13.3	14.5	5.5	5.4	5.7	5.4
521,3,5	Building materials, supply, hardware stores.....	7.9	11.2	11.7	(NA)	5.5	5.4	5.7	(NA)
521,3	Building materials and supply stores.....	5.7	8.1	8.4	(NA)	6.1	6.0	6.4	(NA)
525	Hardware stores.....	2.2	3.1	3.2	(NA)	3.8	3.8	3.8	(NA)
57	Furniture, home furnishings, equipment stores ⁴	9.1	14.3	15.2	16.9	4.9	5.0	5.3	5.0
571	Furniture, home furnishings.....	5.2	7.0	7.3	(NA)	5.0	5.4	5.7	(NA)
5712	Furniture stores.....	3.9	4.8	5.0	(NA)	4.6	4.9	5.1	(NA)
5722,32	Household appliance, radio, TV.....	2.8	5.1	6.5	(NA)	5.0	4.8	5.2	(NA)
5722	Household appliance stores.....	1.0	1.5	1.8	(NA)	5.7	5.9	5.8	(NA)
5944	Jewelry stores.....	3.6	4.4	4.5	(NA)	2.3	2.4	2.5	(NA)
	Nondurable goods stores⁴	62.4	68.4	60.7	66.4	10.8	9.8	9.8	8.7
56	Apparel and accessory stores ⁴	10.6	14.5	14.6	17.5	4.8	4.8	5.1	4.5
561	Men's, boys' clothing, furnishings.....	1.9	2.2	2.2	(NA)	4.0	4.0	4.2	(NA)
562	Women's ready-to-wear stores.....	2.5	3.9	4.1	(NA)	6.4	6.2	6.5	(NA)
565	Family clothing stores.....	2.3	3.4	3.5	(NA)	4.8	4.8	5.1	(NA)
566	Shoe stores.....	2.8	3.1	3.1	(NA)	3.8	4.1	4.3	(NA)
591	Drug and proprietary stores.....	5.6	8.8	9.8	10.2	5.8	5.4	5.3	5.5
58	Eating and drinking places.....	2.0	3.3	3.5	(NA)	44.2	37.7	38.4	(NA)
54	Food stores.....	13.6	18.7	20.0	20.6	18.2	14.7	15.1	15.3
541	Grocery stores.....	13.0	18.9	19.2	19.7	15.8	14.4	14.8	15.0
554	Gasoline service stations.....	3.0	3.4	3.0	3.1	31.7	32.3	32.4	33.1
53	General merchandise group stores.....	20.4	30.6	31.3	33.4	5.2	5.1	5.3	5.3
531,9	Dept. stores, misc. general merchandise stores.....	18.4	28.3	29.2	(NA)	5.4	5.2	5.4	(NA)
531	Department stores.....	15.4	23.8	24.6	26.0	5.8	5.4	5.6	5.8
533	Variety stores.....	2.0	2.3	2.1	(NA)	3.9	4.0	3.9	(NA)
582	Liquor stores.....	2.0	2.3	2.3	(NA)	6.4	6.4	6.5	(NA)

NA Not available. ¹ Standard Industrial Classification; see text, section 13. ² Excludes supplies and equipment used in store and warehouse operations that are not for resale. Not adjusted for seasonal variation. ³ Relative annual sales to year-end inventories. ⁴ Includes kinds of businesses not shown separately.

Source: U.S. Bureau of the Census, *Current Business Reports*, series BR, *Annual and Monthly Retail Trade Reports*.

No. 1332. RETAIL FOODSTORES—NUMBER AND SALES, BY TYPE: 1972 TO 1987

TYPE OF FOODSTORE	NUMBER (1,000)					SALES ² (\$B. dol.)					PERCENT DISTRIBUTION			
	1972	1980	1985 ¹	1986 ¹	1987 ¹	1972	1980	1985	1986	1987	Number		Sales	
											1972	1986	1972	1986
Total	267.4	345.8	238.1	238.8	235.8	86.0	220.2	288.6	301.8	314.3	100.0	100.0	100.0	100.0
Grocery stores	184.4	172.5	186.8	185.3	165.9	92.2	205.6	271.9	284.1	296.1	72.7	70.2	93.2	94.1
Supermarkets ³	27.2	28.3	27.3	27.0	(NA)	63.8	157.0	201.5	210.6	(NA)	10.2	11.4	64.4	69.7
Convenience stores ⁴	21.0	35.8	45.4	47.0	(NA)	4.1	16.9	33.7	32.3	(NA)	7.9	19.8	4.2	10.7
Mom and pop stores	146.2	110.4	94.1	92.3	(NA)	24.3	29.7	36.7	41.3	(NA)	54.6	38.0	24.5	13.7
Specialized food stores ⁵	73.0	73.3	71.3	70.8	69.9	6.6	14.8	16.7	17.6	18.2	27.3	29.6	6.9	5.8

NA Not available. ¹ Estimated. ² Includes nonfood items; 1972 data include sales taxes. ³ A grocery store, primarily self-service in operation, providing a full range of departments, and having at least \$2.5 million in annual sales in 1986 dollars. ⁴ A small grocery store selling a limited variety of food and nonfood products, typically open extended hours. ⁵ Primarily engaged in the retail sale of a single food category such as meat and seafood stores and retail bakeries.

No. 1333. SUPERMARKETS—NUMBER AND SALES, BY TYPE OF FORMAT: 1980 TO 1986

(For definition of supermarket, see footnote 3, table 1332)

SUPERMARKET FORMAT	NUMBER			SALES (\$B. dol.)			PERCENT DISTRIBUTION			
	1980	1984	1986	1980	1984	1986	Number		Sales	
							1980	1986	1980	1986
Supermarkets, total	36,321	38,947	27,806	157.0	192.8	210.5	100.0	100.0	100.0	100.0
Conventional	21,009	17,644	17,169	114.7	95.8	99.8	79.8	63.6	73.1	47.4
Superstores ¹	3,160	4,608	4,904	27.8	54.8	57.9	12.0	18.5	17.7	27.5
Warehouse ²	1,870	3,584	3,332	6.8	22.9	25.9	8.3	12.3	4.2	12.3
Combination food and drug ³	475	843	1,133	6.3	15.4	16.8	1.8	4.2	4.0	8.0
Superwarehouse ⁴	7	108	297	1.6	3.3	6.7	(2)	1.1	1.0	3.2
Hypermarket ⁵	10	60	80	(NA)	.8	3.4	(2)	.5	(NA)	1.6

NA Not available. ² Less than .05 percent. ¹ Contains greater variety of products than conventional supermarkets, including specialty and service departments, and considerable nonfood (general merchandise) products. ² Contains limited product variety and fewer services provided, incorporating case lot stocking and shelving practices. ³ Contains a pharmacy, a nonprescription drug department, and a greater variety of health and beauty aids than that carried by conventional supermarkets. ⁴ A larger warehouse store that offers expanded product variety and often service meat, deli, or seafood departments. ⁵ A very large store offering a greater variety of general merchandise—like clothes, hardware, and seasonal goods—and personal care products than other grocery stores.

Source of tables 1332 and 1333: U.S. Dept. of Agriculture, Economic Research Service, *Food Marketing Review*, annual.

No. 1334. COMMERCIAL AND INSTITUTIONAL GROUPS—FOOD AND DRINK SALES: 1970 TO 1986

(Excludes military. Data refer to sales to consumers of food and alcoholic beverages. Sales are estimated. For details, see source)

TYPE OF GROUP	Est. 1966	SALES (mil. dol.)							
		1970	1980	1983	1984	1985	1986	1987 ¹	1988 ²
Total	626,001	42,196	116,094	161,356	164,126	173,999	186,171	196,394	212,476
Commercial foodservice ³	453,782	34,829	101,528	131,266	143,266	152,884	164,510	176,107	189,331
Eating places ⁴	270,698	21,614	72,276	95,267	104,521	111,598	120,124	128,588	138,211
Restaurants, lunchrooms	126,514	13,348	39,207	50,530	55,112	58,444	62,301	66,143	70,574
Limited menu restaurants ⁵	128,125	6,190	28,899	39,494	43,719	47,191	51,486	55,872	60,425
Bars and taverns ⁶	32,308	5,008	7,785	8,157	8,255	8,428	8,976	9,212	9,826
Food contractors ⁷	9,026	2,442	6,818	8,242	8,907	9,480	10,095	10,774	11,550
Manufacturing and industrial plants	(NA)	915	2,121	2,394	2,616	2,721	2,824	2,968	3,132
Colleges and universities	(NA)	486	1,140	1,494	1,612	1,738	1,862	2,033	2,202
Lodging places ⁸	26,385	2,586	8,788	9,165	10,028	10,890	11,383	12,340	13,303
Hotel restaurants	15,704	1,554	4,884	7,302	8,110	8,748	9,404	10,280	11,154
Retail hosts ⁹	106,650	1,852	3,284	4,690	5,395	6,196	7,052	7,953	8,907
Grocery store restaurants	41,867	189	830	1,554	1,955	2,486	2,986	(NA)	(NA)
Gasoline service stations	30,490	109	482	860	1,048	1,291	1,527	(NA)	(NA)
Recreation and sports	6,807	514	1,452	1,822	1,908	1,967	2,055	2,149	2,270
Institutional foodservice ¹⁰	171,269	7,370	17,475	20,089	20,861	21,025	21,861	22,277	23,145
Employee foodservice	8,212	888	1,636	1,767	1,904	1,971	1,976	2,021	2,113
Industrial and commercial organizations	3,573	581	1,377	1,505	1,630	1,682	1,694	(NA)	(NA)
Educational foodservice	94,484	2,102	4,610	6,509	5,749	5,978	6,253	6,486	6,716
Elementary and secondary schools	91,776	1,183	2,912	2,577	2,780	2,919	3,080	3,189	3,295
Hospitals	6,791	2,991	6,868	7,375	7,391	7,104	7,170	7,198	7,368
Miscellaneous ¹¹	26,326	846	1,521	1,885	1,981	2,077	2,197	2,221	2,348
Clubs	10,310	525	1,056	1,391	1,487	1,537	1,620	(NA)	(NA)

NA Not available. ¹ Projection. ² Includes other types of groups, not shown separately. ³ Data for establishments with payroll. ⁴ Fast-food restaurants. ⁵ For establishments serving food.

Source: National Restaurant Association, Washington, DC, *Foodservice Numbers: A Statistical Digest for the Foodservice Industry*, annual, and 1988 *National Restaurant Association Foodservice Industry Forecast*, December 1987. (Copyright.)

No. 1326. SHOPPING CENTERS—NUMBER, GROSS LEASABLE AREA, AND RETAIL SALES, BY GROSS LEASABLE AREA: 1986 AND 1987

[As of December 31. A shopping center is a group of architecturally unified commercial establishments built on a site which is planned, developed, owned and managed as an operating unit related in its location, size, and type of shops to the trade area that the unit serves. The unit provides on-site parking in definite relationship to the types and total size of the stores. The data base attempts to include all centers with 30 or more stores. Estimates are based on a sample of data available on shopping center properties available; for details, contact source]

YEAR	Total	GROSS LEASABLE AREA (sq. ft.)					
		Less than 100,001	100,001-200,000	200,001-400,000	400,001-800,000	800,001-1,000,000	More than 1 million
NUMBER							
1986	28,486	18,230	6,682	2,083	916	261	312
1987	30,641	19,679	7,185	2,231	984	263	319
Percent distribution	100.0	64.2	23.5	7.3	3.1	.9	1.0
Percent change, 1986-1987	7.5	7.9	7.5	7.1	3.9	.8	2.2
GROSS LEASABLE AREA							
1986 (mil. sq. ft.)	3,523	801	917	855	522	234	393
1987 (mil. sq. ft.)	3,723	967	964	863	539	238	403
Percent distribution	100.0	28.0	26.4	15.9	14.5	6.3	10.8
Percent change, 1986-1987	5.7	7.3	7.4	7.0	3.3	.7	2.5
RETAIL SALES							
1986 (bil. dol.)	556.5	180.3	140.4	84.8	73.9	36.2	80.8
1987 (bil. dol.)	602.3	174.5	153.0	82.5	78.4	36.5	85.4
Percent distribution	100.0	29.0	25.4	15.3	13.0	6.4	10.9
Percent change, 1986-1987	8.2	6.9	8.9	9.0	6.2	6.2	7.6

Source: National Research Bureau, 310 South Michigan Avenue, Chicago, IL 60604. Data published by Communication Channels Inc., Atlanta, GA, in *Shopping Center World*, February 1988. (Copyright.)

No. 1336. SHOPPING CENTERS—NUMBER, GROSS LEASABLE AREA, AND RETAIL SALES BY STATE: 1987

[See footnote, table 1335]

STATE	Number	Gross leasable area (mil. sq. ft.)	Retail sales (mil. dol.)	PERCENT CHANGE, 1986-1987			STATE	Number	Gross leasable area (mil. sq. ft.)	Retail sales (mil. dol.)	PERCENT CHANGE, 1986-1987		
				Number	Gross leasable area	Retail sales					Number	Gross leasable area	Retail sales
U.S.	28,641	3,723.0	602,294	7.5	5.7	8.2	S.A.—						
NE	1,814	198.5	31,595	6.1	4.8	6.6	Con.						
ME	149	13.8	2,286	5.7	.9	3.6	VA	635	110.7	17,762	9.3	6.5	10.5
NH	130	13.1	2,159	10.2	4.0	6.8	WV	125	16.2	2,548	6.8	9.5	10.9
VT	82	5.6	934	3.6	1.9	3.8	NC	976	103.5	16,936	15.6	11.8	14.5
MA	750	84.4	13,536	5.3	3.1	5.0	SC	565	56.3	9,258	6.2	7.1	10.1
RI	160	14.0	2,250	5.1	5.3	7.4	GA	1,065	107.7	17,903	10.3	8.7	11.6
CT	543	65.6	10,436	6.1	8.2	9.5	FL	2,389	298.4	49,474	11.2	8.9	12.2
SEA	3,008	431.4	68,188	6.6	5.1	7.3	E.S.C.	2,154	222.4	37,488	6.7	6.3	8.3
NY	1,228	171.6	27,314	4.6	2.6	5.2	KY	501	54.3	8,712	6.6	5.2	7.3
NJ	677	101.5	16,188	6.6	6.9	11.0	TN	787	65.5	13,786	9.2	9.5	11.2
PA	1,103	158.3	24,674	6.5	5.5	7.0	AL	524	60.4	9,671	5.4	5.0	6.8
E.M.C.	4,308	588.3	88,783	6.2	4.7	5.8	MS	342	32.2	5,320	3.6	2.7	5.4
OH	1,159	167.9	26,215	6.0	3.5	5.3	W.S.C.	4,814	482.3	74,488	4.3	3.3	6.1
IN	689	85.0	13,565	4.7	4.2	5.5	AR	311	29.1	4,730	2.6	1.7	3.8
IL	1,271	159.9	25,362	12.5	6.4	8.6	LA	580	71.3	11,530	2.6	2.4	4.8
MI	730	100.3	15,786	6.6	4.4	6.1	OK	503	51.1	8,355	3.1	1.8	4.6
WI	461	55.1	8,842	9.2	4.9	8.2	TX	2,610	300.8	49,851	5.2	3.9	6.9
W.M.C.	1,880	246.7	38,828	7.0	4.2	6.9	NE	2,188	246.1	40,884	7.7	4.9	6.3
MN	388	51.8	8,303	6.7	3.0	6.3	MT	74	7.5	1,231	4.2	.2	3.3
IA	229	30.6	4,835	7.0	3.4	6.4	ID	101	12.7	2,046	5.2	1.7	5.1
MO	608	87.3	13,869	7.2	5.1	7.6	WY	43	5.4	868	4.9		3.0
ND	62	8.2	1,297	6.9	3.1	6.2	CO	616	77.6	12,660	5.3	4.3	7.0
SD	36	5.0	799	12.5	5.7	9.7	NM	228	22.4	3,709	4.6	3.7	6.4
NE	176	22.5	3,562	8.6	4.4	7.4	AZ	741	77.3	13,102	9.3	5.6	9.8
KS	393	44.3	7,125	5.7	4.2	6.5	UT	153	23.9	3,851	10.1	4.3	8.2
S.A.	6,888	806.4	131,814	10.6	8.7	11.8	NV	202	21.1	3,528	15.4	12.2	15.7
DE	69	16.2	2,415	4.7	3.1	7.2	Pac.	4,538	538.9	88,130	7.1	6.0	8.7
MD	624	90.8	14,453	7.8	7.7	9.7	WA	500	63.8	10,172	8.9	6.0	10.2
DC	51	6.6	1,066	4.1	-	2.9	OR	306	34.6	5,548	5.5	5.8	7.4
							CA	3,561	421.6	69,263	7.1	5.8	8.8
							AK	46	5.9	1,003	7.1	9.0	13.0
							HI	123	12.7	2,124	5.1	3.1	6.5

- Represents zero.

Source: National Research Bureau, 310 South Michigan Avenue, Chicago, IL 60604. Data published by Communication Channels Inc., Atlanta, GA, in *Shopping Center World*, February 1988. (Copyright.)

No. 1237. RETAIL SALES—BY TYPE OF
[in millions of dollars]

DIVISION AND STATE	TOTAL ¹		FOOD STORES				GENERAL MERCHANDISE STORES				AUTOMOTIVE DEALERS	
	1982	1987	Total		Supermarkets		Total		Department stores		1982	1987
			1982	1987	1982	1987	1982	1987	1982	1987		
U.S.	1,085,918	1,545,087	248,486	321,834	231,000	302,727	125,828	189,589	98,186	128,508	153,886	326,082
M.S.	82,083	102,981	13,829	20,386	12,486	18,824	6,174	10,679	6,179	9,036	10,386	22,264
ME	5,332	8,943	1,311	1,912	1,247	1,828	466	779	341	583	933	1,989
NH	5,364	9,725	1,278	2,086	1,208	1,964	527	1,034	415	820	962	2,154
VT	2,801	4,344	612	934	586	897	173	282	120	199	473	1,014
MA	28,818	46,808	6,008	8,885	5,371	7,982	3,000	4,983	2,538	4,238	4,851	9,980
RI	4,163	6,751	923	1,389	802	1,188	448	788	387	688	633	1,237
CT	15,828	26,310	3,600	5,070	3,251	4,730	1,861	2,843	1,378	2,534	2,706	5,800
M.A.	189,348	236,266	38,078	62,884	34,220	47,488	17,381	26,638	14,742	22,076	34,938	48,108
NY	72,287	108,682	17,446	24,789	15,381	21,885	7,612	11,580	6,286	9,730	9,665	18,520
NJ	38,307	54,844	8,810	12,012	7,838	10,886	3,837	5,486	3,163	4,847	8,208	12,308
PA	50,776	72,730	12,022	15,883	11,020	14,686	6,131	8,884	5,283	7,488	8,774	16,280
E.M.C.	180,888	256,661	40,116	48,988	37,488	46,830	22,118	32,880	19,081	28,488	32,886	57,888
OH	48,315	65,173	11,148	13,388	10,447	12,584	6,156	8,146	5,380	8,028	7,981	14,242
IN	23,724	34,272	5,289	6,800	5,023	6,287	2,878	3,981	2,252	3,367	4,410	6,183
IL	50,747	71,233	10,581	13,088	9,844	12,221	5,821	8,536	5,081	7,386	8,988	16,711
MI	39,218	57,408	8,518	10,466	7,836	9,661	4,844	7,448	4,437	6,788	7,521	13,473
WI	20,564	27,467	4,584	5,627	4,307	5,207	2,420	3,570	1,870	2,912	3,484	6,118
W.M.C.	78,084	108,800	16,678	21,780	18,084	25,777	9,163	14,388	7,388	11,884	14,948	26,728
MN	19,588	28,903	3,822	5,328	3,675	5,012	2,258	3,801	1,884	3,312	3,542	6,417
IA	12,846	18,425	3,012	3,816	2,877	3,470	1,388	2,080	1,088	1,830	2,374	3,752
MO	21,865	31,888	4,888	6,383	4,658	6,117	2,790	4,327	2,402	3,841	4,083	7,884
ND	3,367	4,337	579	748	547	708	348	538	286	448	529	1,243
SD	2,889	4,108	617	805	588	788	258	431	188	318	568	973
NE	6,885	9,473	1,458	1,838	1,387	1,757	797	1,130	588	838	1,321	2,152
KS	10,842	14,367	2,402	3,066	2,304	2,844	1,288	1,781	888	1,377	2,222	3,502
S.A.	178,378	272,748	41,348	64,884	38,223	63,486	19,621	31,878	15,412	25,880	33,867	62,867
DE	3,131	4,652	678	871	620	797	418	660	380	584	625	1,022
MD	20,883	32,241	4,888	6,142	4,344	5,705	2,458	3,553	2,117	3,086	3,781	7,487
DC	2,864	3,403	496	601	450	548	225	270	188	232	127	188
VA	24,706	40,181	5,843	8,188	5,680	7,868	2,881	5,022	2,237	3,883	4,588	9,075
WV	7,521	10,247	2,022	2,418	1,964	2,344	1,006	1,461	787	1,178	1,361	2,281
NC	26,006	37,813	6,207	8,278	6,010	8,064	2,508	4,273	1,888	2,872	4,778	8,488
SC	12,488	19,008	3,180	4,473	3,088	4,388	1,244	2,013	806	1,484	2,218	3,878
GA	24,408	38,858	5,882	8,151	5,388	7,888	2,764	4,748	2,200	3,888	4,828	9,178
FL	56,488	86,791	12,631	18,883	11,788	18,828	8,017	9,884	4,838	8,226	11,348	21,344
E.S.C.	67,701	81,888	14,488	18,734	13,873	18,228	8,888	10,734	6,116	8,884	11,888	19,861
KY	14,672	20,822	3,886	4,331	3,508	4,180	1,757	2,580	1,388	2,084	2,511	4,538
TN	19,886	28,862	4,720	6,480	4,567	6,326	2,383	3,814	1,828	3,086	3,832	7,327
AL	14,480	20,161	3,708	4,141	3,586	4,023	1,883	2,473	1,180	1,811	2,874	5,148
MS	9,044	12,446	2,367	2,772	2,304	2,710	1,177	1,757	726	1,124	1,788	2,982
W.S.C.	127,444	183,317	20,888	38,844	28,877	38,748	14,440	18,148	11,418	16,448	27,341	38,487
AR	9,114	12,130	2,130	2,882	2,086	2,778	1,154	1,612	887	1,383	1,979	2,474
LA	19,888	26,181	5,038	8,466	4,864	8,246	2,328	2,918	1,733	2,236	3,779	4,833
OK	16,071	19,473	3,806	4,284	3,883	4,157	1,612	2,188	1,284	1,846	3,713	4,418
TX	82,274	108,563	18,056	24,473	18,286	23,588	9,148	12,421	7,424	10,283	17,880	23,882
M.	88,288	90,843	14,888	18,362	13,838	17,718	8,888	9,888	4,821	7,218	11,263	18,084
MT	3,866	4,664	866	1,070	818	1,033	306	443	198	284	748	802
ID	4,080	5,263	1,088	1,281	1,037	1,282	310	486	283	311	816	1,178
WY	2,818	3,808	636	780	617	780	191	326	87	151	488	746
CO	18,881	22,021	3,784	4,802	3,812	4,828	1,888	2,866	1,423	2,284	3,150	4,100
NM	6,319	8,661	1,523	1,836	1,456	1,858	667	888	413	546	1,274	1,810
AZ	13,884	20,436	3,423	4,776	3,282	4,813	1,481	2,287	1,188	1,848	2,620	4,008
UT	6,327	8,183	1,513	1,881	1,448	1,886	711	1,038	578	838	1,186	1,564
NV	5,343	8,027	1,207	1,737	1,180	1,878	587	848	530	848	967	1,531
Pac	168,008	241,829	37,638	48,881	36,212	48,771	18,872	28,388	18,218	22,740	28,340	48,882
WA	20,008	27,813	4,886	6,126	4,888	6,867	2,178	2,886	1,838	2,518	3,260	5,576
OR	12,634	16,183	2,738	3,233	2,587	3,081	1,787	2,401	1,384	1,880	2,258	3,432
CA	123,848	188,413	28,383	37,286	28,286	34,888	14,012	19,884	12,327	17,411	21,881	30,218
AK	3,227	4,227	708	838	686	910	336	488	218	333	418	680
HI	5,183	7,383	1,101	1,388	878	1,246	668	867	446	587	551	1,047

¹ Includes other types of stores, not shown separately. ² Includes hardware dealers. ³ Includes home furnishings stores.

STORE AND STATE: 1962 AND 1967

Data are estimates]

EATING AND DRINKING PLACES		GASOLINE SERVICE STATIONS		APPAREL AND ACCESSORIES STORES		BUILDING MATERIALS DEALERS ¹		FURNITURE AND APPLIANCE STORES ²				DIVISION AND STATE	
1962	1967	1962	1967	1962	1967	1962	1967	Total		Furniture			
								1962	1967	1962	1967		
103,962	180,564	97,640	161,940	57,838	81,116	51,146	82,163	47,141	64,822	17,951	27,873	U.S.	
5,946	10,746	5,266	8,066	3,546	5,236	1,886	5,863	2,466	4,647	875	1,431	N.E.	
425	786	406	550	216	318	311	594	144	144	57	57	ME	
426	786	411	522	249	417	337	762	200	447	60	116	NH	
223	406	226	262	156	156	176	333	81	163	29	46	VT	
3,106	5,436	2,367	2,610	1,763	2,505	1,176	2,322	1,170	2,126	447	666	MA	
404	720	360	446	237	370	176	316	145	267	50	83	RI	
1,457	2,606	1,466	1,675	836	1,476	675	1,274	666	1,266	230	1,266	CT	
15,066	21,777	12,336	12,171	10,341	15,335	8,667	10,466	7,362	14,636	2,676	4,362	N.E.	
7,420	10,666	4,625	4,561	5,295	7,666	2,561	4,366	3,606	5,663	1,242	2,011	NY	
3,227	4,516	3,251	3,301	2,267	3,541	1,361	2,260	1,743	3,601	565	1,016	NJ	
4,446	6,264	4,452	4,260	2,756	3,916	2,146	3,610	2,002	3,675	744	1,252	PA	
19,163	24,623	16,154	19,467	8,436	12,766	7,662	13,436	7,473	12,314	3,717	4,675	E.N.C.	
4,663	6,464	5,406	5,324	1,656	2,704	1,637	2,966	1,666	1,666	662	1,022	OH	
2,333	3,166	2,760	3,006	1,070	1,636	1,636	1,636	902	1,636	336	524	IN	
5,136	6,631	4,716	4,607	3,291	4,607	2,143	3,466	1,666	3,672	629	1,233	IL	
3,616	5,371	4,066	4,405	2,246	2,977	1,760	3,417	1,663	3,132	577	900	MI	
2,211	2,651	2,171	2,113	651	1,161	1,046	1,564	677	1,516	261	366	WI	
7,163	10,261	6,436	6,633	3,773	4,916	4,667	6,463	3,143	1,666	1,262	1,662	W.N.C.	
1,601	2,701	2,106	2,354	622	1,327	1,221	1,666	776	1,206	292	366	MN	
1,137	1,902	1,416	1,432	616	776	766	962	466	662	206	256	IA	
2,037	3,012	2,266	2,561	1,015	1,360	1,100	1,666	622	1,666	306	367	MO	
261	347	371	354	174	193	246	266	136	160	67	77	ND	
275	365	370	357	147	166	166	166	114	162	53	66	SD	
667	677	766	666	352	440	446	620	342	535	165	264	NE	
656	1,277	1,104	1,067	544	631	636	634	467	661	171	207	KS	
16,667	25,466	16,362	17,662	9,237	12,723	8,757	14,144	8,296	15,676	3,446	1,666	S.A.	
266	1,666	274	262	166	211	156	253	136	256	52	64	DE	
1,644	2,604	2,037	2,104	1,126	1,636	761	1,560	951	1,602	1,666	521	MD	
563	740	165	156	241	293	40	46	132	196	1,666	74	DC	
2,152	3,435	2,451	2,656	1,245	1,673	1,063	2,012	1,166	2,467	466	621	VA	
544	721	736	663	336	362	455	601	261	435	140	163	WV	
2,172	3,334	2,006	2,326	1,060	1,676	1,523	2,275	1,666	2,177	1,666	603	NC	
1,114	1,751	1,250	1,367	662	979	726	1,143	565	1,070	276	1,666	SC	
2,263	3,755	2,457	2,764	1,261	1,762	1,316	2,106	1,060	2,134	441	767	GA	
6,616	8,442	4,663	5,402	2,766	3,675	2,661	4,143	2,767	5,307	1,061	1,756	FL	
4,741	6,663	5,546	6,636	2,636	3,641	2,663	3,641	2,666	4,162	1,666	1,676	E.S.C.	
1,277	1,677	1,626	1,774	642	760	756	1,022	536	1,013	241	361	KY	
1,706	2,371	2,046	2,145	966	1,316	600	1,252	625	1,557	361	665	TN	
1,126	1,663	1,237	1,306	657	1,012	753	1,021	563	1,026	262	436	AL	
630	642	733	611	446	621	462	566	336	563	172	266	MS	
11,416	15,066	10,416	11,416	7,446	8,922	6,663	11,422	6,717	8,146	2,360	2,660	W.S.C.	
657	667	606	616	476	566	466	666	336	520	165	226	AR	
1,643	2,264	1,601	1,563	1,147	1,356	1,171	1,611	932	1,666	404	1,666	LA	
1,440	1,616	1,174	1,133	1,133	1,152	945	1,434	730	1,067	303	377	OK	
7,470	10,072	6,627	6,160	4,664	5,614	4,361	7,225	3,717	5,257	1,476	1,766	TX	
6,666	8,066	5,674	6,136	2,762	3,444	3,426	5,326	2,672	4,266	1,036	1,447	W.N.	
424	464	403	352	201	231	272	354	173	260	61	79	MT	
375	456	366	416	179	190	263	370	173	254	60	106	ID	
264	375	407	446	136	172	201	266	96	153	36	46	WY	
1,654	2,441	1,472	1,364	765	662	666	1,556	796	1,295	276	376	CO	
626	657	632	611	326	400	366	620	251	363	115	156	WY	
1,426	2,072	1,342	1,553	556	723	665	1,170	1,170	1,132	246	366	AZ	
611	634	675	670	366	366	366	564	315	466	152	215	UT	
552	760	575	666	264	366	265	413	206	362	71	107	NV	
16,666	27,765	14,411	16,476	6,566	14,666	7,516	11,421	14,266	2,617	3,662	3,662	Pac.	
2,266	3,061	1,737	1,717	666	1,560	1,101	1,533	646	1,361	297	413	WA	
1,353	1,726	1,147	1,122	601	600	565	721	517	746	173	206	OR	
13,664	21,055	10,601	12,034	6,267	10,616	6,616	8,616	6,131	11,714	2,047	3,255	CA	
411	536	215	166	130	176	344	337	133	170	42	44	AK	
660	1,352	411	412	363	634	154	214	167	232	66	71	HI	

Source: Market Statistics, New York, NY The Survey of Buying Power Data Service, annual (copyright)

NO. 1336. DOMESTIC AND INTERNATIONAL FRANCHISING—SUMMARY: 1970 TO 1988

[Franchising is a form of marketing or distribution in which a parent company customarily grants an individual or a company the right, or privilege, to do business in a prescribed manner over a certain period of time in a specified place. The parent company is termed the franchisor; the receiver of the privilege the franchisee; and the right, or privilege, the franchise.]

ITEM	Unit	1970	1975	1980	1982	1983	1984	1985	1986	1987 ¹	1988 ¹
DOMESTIC²											
Number of franchised establishments	1,000	386	436	443	439	442	444	488	482	478	608
Company-owned ³	1,000	72	81	85	87	86	87	86	88	88	92
Franchisee-owned	1,000	324	354	357	352	355	357	399	374	390	417
Sales of products and services	\$B. dol.	120	191	329	375	423	482	543	599	599	888
Company-owned ³	\$B. dol.	23	29	47	55	59	84	88	85	90	87
Franchisee-owned	\$B. dol.	96	162	280	321	364	428	475	484	509	801
Average sales per establishment	\$1,000	302	436	740	856	956	1,100	1,183	1,231	1,251	1,250
Employment	1,000	(NA)	3,511	4,668	4,927	5,185	5,671	6,263	6,501	(NA)	(NA)
INTERNATIONAL											
U.S. companies operating foreign outlets	Number	⁴ 156	222	279	296	305	323	342	354	(NA)	(NA)
Foreign outlets	1,000	⁴ 3.4	11.0	20.4	23.5	25.7	27.0	30.2	31.8	(NA)	(NA)

NA Not available. ¹ Estimated by respondents to annual survey of franchisors. ² Excludes foreign outlets of U.S. companies. ³ Represents establishments owned by the parent company. ⁴ 1971 data.

NO. 1336. DOMESTIC FRANCHISING—NUMBER OF ESTABLISHMENTS AND SALES, BY KIND OF FRANCHISED BUSINESS: 1970 TO 1988

[See headnote, table 1336, for definition of franchising. Excludes foreign outlets of U.S. companies]

KIND OF FRANCHISED BUSINESS	NUMBER OF ESTABLISHMENTS (1,000)							SALES (\$B. dol.)						
	1970	1975	1980	1985	1987 ¹	1988 ¹		1970	1975	1980	1985	1987 ¹	1988 ¹	
All franchising, total	386.3	434.6	442.4	455.2	452.1	478.1	508.3	119.8	180.8	336.2	543.0	599.1	599.4	888.8
Auto and truck dealers ²	37.2	31.9	29.4	27.5	27.6	27.6	27.8	58.6	94.5	143.9	202.8	207.3	319.7	336.4
Percent	8.4	7.3	6.6	6.0	6.0	5.8	5.5	49.1	49.5	42.8	52.0	54.0	53.3	52.4
Restaurants (all types)	32.6	43.0	60.0	73.9	79.2	83.3	90.8	4.6	12.3	27.9	47.7	52.3	56.6	63.2
Percent	8.2	9.9	13.6	16.2	18.9	17.4	17.8	3.8	6.4	8.3	8.8	9.2	9.6	9.9
Gasoline service stations ²	222.0	189.5	158.5	124.6	120.5	116.9	112.0	29.3	47.4	94.5	100.8	86.6	89.2	91.9
Percent	58.0	43.6	35.8	27.4	26.1	24.2	22.0	24.5	24.8	28.1	18.6	15.2	14.9	14.4
Retailing (nonfood)	30.7	37.2	35.2	45.1	45.5	47.9	52.9	13.1	9.0	10.5	20.8	23.1	25.4	28.5
Percent	7.7	8.6	8.0	9.9	9.8	10.0	10.4	11.0	4.7	3.1	3.6	3.7	4.2	4.5
Auto, truck rental services	³ 10.7	6.5	7.3	11.2	9.5	10.0	10.6	1.2	1.5	3.1	5.7	6.2	6.5	7.0
Automotive products and services ⁴	20.4	47.6	40.2	36.5	39.7	39.3	41.5	1.9	5.0	7.1	10.7	11.9	12.3	13.7
Business aids and services	10.5	22.2	40.7	49.8	52.7	56.7	69.0	.7	1.4	6.7	12.0	13.9	14.7	16.8
Employment services	2.9	2.7	4.4	4.8	5.8	6.1	6.8	.5	.8	1.8	2.7	3.2	3.7	4.2
Tax preparation services	4.7	7.5	9.2	8.1	8.3	8.6	8.6	.1	.2	.3	.4	.5	.5	.5
Accounting, credit, collection, and general	1.1	3.5	2.4	2.1	1.8	2.0	2.2	(Z)	(Z)	1	.2	.2	.2	.2
Real estate ⁵	(NA)	3.8	17.3	13.9	14.0	16.2	16.9	(NA)	.2	3.6	4.9	5.1	5.6	6.4
Printing and copying	.3	1.1	2.6	4.5	4.9	5.8	6.4	.1	1	.4	.9	1.0	1.2	1.4
Other	1.4	3.4	4.8	16.4	16.0	16.4	22.0	1	.2	.8	3.1	3.3	3.5	4.1
Construction, home improvement, maintenance, and cleaning	.7	10.8	14.3	17.5	16.9	21.7	25.5	1	.8	1.5	4.1	4.6	5.2	6.2
Convenience stores	8.6	13.5	15.6	15.1	15.5	16.3	17.2	1.7	3.9	7.8	10.6	11.3	12.9	13.6
Educational products and services	4.9	1.3	3.2	6.2	5.6	9.6	10.6	1	.2	.3	.8	.9	1.0	1.2
Equipment rental services	(²)	1.4	2.2	2.5	2.7	2.8	3.3	(²)	.2	.4	.7	.7	.7	.8
Food retailing ⁶	(NA)	11.6	15.5	18.7	19.9	20.5	23.6	(NA)	1.4	7.4	10.1	10.7	11.1	12.1
Hotels and motels ⁷	3.4	6.4	6.4	7.5	8.2	9.3	10.4	3.5	4.6	9.5	14.6	16.0	17.7	19.7
Laundry, dry cleaning services	4.1	3.2	3.4	2.3	2.3	2.2	2.6	1	.2	.3	.3	.3	.3	.4
Recreation, entertainment, travel	2.7	3.4	4.6	7.8	7.9	8.2	8.9	1	.2	.5	2.3	3.5	4.0	5.0
Soft drink bottlers ⁸	2.7	2.4	1.9	1.4	1.2	1.1	1.1	4.1	5.2	14.4	18.3	18.7	20.9	22.1
Miscellaneous	4.8	2.7	3.6	5.5	6.1	6.6	7.7	.3	.4	.4	.9	1.3	1.5	1.6

NA Not available. Z Less than \$50 million. ¹ Estimated by respondents. ² Estimated by source on basis of Bureau of the Census and trade association data. ³ Equipment rental services included with auto, truck rental services. ⁴ Includes some establishments with significant sales of nonautomotive products such as household appliances, garden supplies, etc. ⁵ Gross commissions. ⁶ Excludes convenience stores. ⁷ Beginning 1975, includes campgrounds. ⁸ Includes soft drinks, fruit drinks and ades, syrups, flavoring agents and bases. Excludes independent private label and contract-bottle bottling companies, which accounted for 22 percent of the value of shipments of the total industry in recent years.

Source of tables 1336 and 1336: U.S. Dept. of Commerce, International Trade Administration, *Franchising in the Economy, 1988-89*.

NO. 1340. FRANCHISED NEW CAR DEALERSHIPS—SUMMARY: 1970 TO 1987

[Calendar year, except as indicated]

ITEM	Unit	1975	1976	1986	1981	1982	1986	1984	1985	1983	1987
Dealerships, total ¹	Number	22,286	22,800	22,299	22,299	25,760	24,725	24,725	24,729	25,100	25,180
Handling—											
Domestic only ²	Number	22,500	16,800	11,800	10,000	14,450	14,675	14,625	12,300	7,150	8,175
Imports only ²	Number	4,500	4,800	4,580	4,550	4,000	3,850	3,875	3,825	4,425	4,750
Both	Number	3,800	6,800	12,100	12,050	7,250	6,100	6,225	6,600	13,525	12,225
Sales	Bill. dol.	51.8	64.2	130.5	144.6	154.7	187.0	224.2	248.7	268.0	287.1
New cars	1,000	6,363	8,833	8,979	8,533	7,980	9,162	10,390	11,042	11,455	10,278
Used vehicles	1,000	11,283	11,281	9,717	10,187	9,840	10,885	12,258	13,028	13,218	13,144
Employment	1,000	702.9	728.0	753.7	705.1	702.3	748.8	813.8	856.5	884.2	884.8
Annual payroll	Bill. dol.	8.5	8.4	11.2	11.8	12.8	15.0	18.3	20.0	21.2	21.8
Advertising expenses	Bill. dol.	.4	.8	1.2	1.3	1.4	1.7	2.1	2.8	3.2	3.5
Inventory:											
Domestic: ³											
Total	1,000	1,409	1,514	1,508	1,457	1,284	1,209	1,413	1,510	1,887	1,723
Days' supply	Days	60	87	71	74	71	55	55	58	63	76
Imported: ³											
Total	1,000	(NA)	407	456	427	381	280	218	271	382	586
Days' supply	Days	(NA)	60	55	52	54	34	28	30	37	59

NA Not available. ¹ At beginning of year. ² Classification based on where automobiles are produced (i.e., automobiles manufactured by foreign companies but produced in the U.S. are classified as domestic). ³ Annual average.

Source: National Automobile Dealers Association, McLean, VA, NADA Data, annual.

NO. 1341. WHOLESALE TRADE—SUMMARY: 1954 TO 1982

[Prior to 1968, excludes Alaska and Hawaii. Data for 1972 through 1982 not strictly comparable with prior years due to changes in Standard Industrial Classification; for details, see source. See also *Historical Statistics, Colonial Times to 1970*, series T 43-47, and T 274-278]

ITEM	Unit	1984	1980	1980	1987	1972	1977	1982
Firms, total	1,000	(NA)	(NA)	232	233	278	289	321
Establishments, total	1,000	250	287	308	311	370	383	416
With sales of \$1,000,000 or more	1,000	(NA)	(NA)	82	75	103	182	180
Sales, all establishments	Bill. dol.	234.0	285.7	368.4	458.5	806.2	1,258.4	1,887.9
Merchant wholesalers	Bill. dol.	100.1	122.1	157.4	208.1	353.9	677.5	1,158.3
Inventories, end of year	Bill. dol.	13.0	15.0	20.1	28.1	45.7	82.3	130.7
Payroll, entire year	Bill. dol.	10.9	13.2	18.1	23.8	38.9	58.3	85.2
Paid employees, Mar. 12 workweek ¹	1,000	2,555	2,808	3,089	3,519	4,026	4,387	4,885
Active proprietors of unincorporated businesses	1,000	180	158	133	122	(NA)	(NA)	(NA)

NA Not available. ¹ 1954-1983 data for workweek including Nov. 15.

Source: U.S. Bureau of the Census, *U.S. Census of Business*, 1954, vol. III; 1958, vol. III; 1963, vol. IV; 1967, vol. III; and *Census of Wholesale Trade*, 1972, vol. I; 1977, WC 77-A-52 and 1982, WC 82-A-52.

NO. 1342. WHOLESALE TRADE, BY TYPE OF OPERATION AND KIND OF BUSINESS: 1977 AND 1982

[See *Historical Statistics, Colonial Times to 1970*, series T 274-287 and T 352-389 for similar but not comparable data]

TYPE OF OPERATION AND KIND OF BUSINESS	ESTABLISHMENTS (1,000)		SALES (mil. dol.)		ANNUAL PAYROLL (mil. dol.)		PAID EMPLOYEES ¹ (1,000)	
	1977	1982	1977	1982	1977	1982	1977	1982
Wholesale trade	382.8	415.8	1,258,400	1,887,895	58,290	95,209	4,387	4,885
Merchant wholesalers	307.2	337.8	877,550	1,158,334	42,067	69,936	3,388	3,918
Other operating types	75.6	77.9	580,851	638,561	16,223	25,273	1,029	1,067
Durable goods	228.2	268.1	908,758	981,212	24,866	57,344	2,539	2,919
Motor vehicles, automotive equipment	28.8	39.5	147,112	187,807	5,148	7,524	423	433
Furniture, home furnishings	11.1	12.6	22,032	32,452	1,445	2,367	110	126
Lumber, construction materials	15.7	17.0	48,179	50,894	2,502	3,429	180	184
Sporting, recreational, photographic goods ²	6.6	7.3	16,521	26,980	1,024	1,648	77	85
Metals and minerals, except petroleum	8.4	10.1	80,298	102,890	2,178	3,359	133	148
Electrical goods	24.9	29.2	68,909	120,052	3,822	7,462	277	367
Hardware, plumbing, heating equipment	18.8	20.8	30,805	43,529	2,578	4,051	194	217
Machinery, equipment, supplies	84.0	99.2	185,057	263,308	14,380	24,804	986	1,192
Miscellaneous	17.1	20.5	30,952	53,886	1,862	2,726	180	171
Nondurable goods	188.6	188.7	648,844	1,116,883	23,282	37,841	1,889	2,072
Paper, paper products	11.7	13.9	32,509	53,493	2,103	3,586	148	187
Drugs, drug proprietaries ³	3.8	3.9	19,445	33,987	1,148	1,975	89	106
Apparel, piece goods, notions	13.0	14.3	39,895	55,897	1,830	2,897	131	144
Groceries and related products	38.0	38.5	182,905	268,659	7,489	12,288	802	674
Farm-product raw materials	14.8	13.9	110,332	153,419	1,273	1,839	135	138
Chemicals, allied products	8.5	10.7	51,881	76,103	1,803	2,902	100	124
Petroleum, petroleum products	22.8	18.7	116,780	298,995	2,248	3,433	179	188
Beer, wines, distilled alcoholic beverages	8.7	8.4	28,979	42,122	1,841	3,081	122	141
Miscellaneous	37.8	39.4	69,138	116,008	3,778	5,849	251	272

¹ For pay period including March 12. ² Includes toys, hobby goods, and supplies. ³ Includes druggists sundries.

Source: U.S. Bureau of the Census, *Census of Wholesale Trade*, 1977, Geographic Area Series, WC 77-A-52, and 1982, Geographic Area Series, WC 82-A-52.

NO. 1343. MERCHANT WHOLESALERS—SUMMARY: 1960 TO 1967

[Data reflect latest revision. Based on Current Business Survey, see Appendix III. See *Historical Statistics, Colonial Times to 1970*, series T 280-371, for related sales data.]

SIC ¹ code	KIND OF BUSINESS	1960	1961	1962	1963	1964	1965	1966	1967
	SALES (bil. dol.)								
	Merchant wholesalers	1,124.5	1,224.2	1,195.5	1,269.9	1,366.7	1,375.7	1,362.3	1,526.8
50	Durable goods ²	493.1	523.4	496.9	522.6	522.6	561.7	561.3	736.3
501	Motor vehicles and automotive equipment	83.1	89.6	91.4	103.0	123.4	136.2	148.7	153.2
502	Furniture and home furnishings	16.3	17.9	17.7	19.7	22.7	22.4	23.2	24.7
503	Lumber and other construction material	36.4	34.9	32.1	41.6	46.7	49.9	54.2	62.4
504	Sporting, recreational, photographic, and hobby goods, toys and supplies	(S)	(S)	(S)	(S)	(S)	(S)	20.7	20.8
505	Metals and minerals, except petroleum	53.4	70.4	52.5	50.9	61.3	56.3	51.6	60.1
506	Electrical goods	46.9	53.8	55.9	67.5	67.2	69.4	92.0	88.0
507	Hardware, plumbing and heating equipment	29.1	31.0	29.3	31.7	36.3	39.0	41.1	47.5
508	Machinery, equipment, and supplies	140.7	157.2	140.9	141.0	167.1	172.6	175.4	192.2
509	Miscellaneous durable goods	52.5	55.1	48.0	53.3	61.8	68.7	74.3	82.4
51	Nondurable goods ²	641.4	700.8	675.2	661.2	736.7	724.1	711.1	781.6
511	Paper and paper products	22.6	25.1	25.9	26.2	33.6	35.3	36.2	44.7
512	Drugs, drug proprietaries and druggists' sundries	13.6	15.9	16.6	20.1	22.9	25.4	29.4	33.0
513	Apparel, piece goods and notions	26.5	29.4	(S)	33.4	37.8	40.3	41.6	45.3
514	Groceries and related products	155.4	165.4	174.7	187.6	203.1	207.7	221.9	235.0
515	Farm-product raw materials	125.4	126.9	114.6	126.5	133.2	103.7	94.1	103.3
516	Chemicals and allied products	(S)	(S)	(S)	21.2	22.2	22.6	22.7	23.4
517	Petroleum and petroleum products	171.5	200.3	(S)	(S)	(S)	(S)	124.6	149.0
518	Beer, wine, and distilled beverages	31.8	34.7	36.5	36.6	37.6	39.2	40.6	42.3
519	Miscellaneous nondurable goods	77.5	86.4	88.5	87.8	95.4	94.7	98.2	105.5
	INVENTORIES³ (bil. dol.)								
	Merchant wholesalers	123.0	130.3	128.2	130.4	142.6	147.1	162.9	166.1
50	Durable goods ²	78.7	83.4	84.8	84.5	84.6	89.2	108.9	108.0
501	Motor vehicles and automotive equipment	12.4	12.9	14.3	13.6	15.7	16.9	18.9	21.6
502	Furniture and home furnishings	2.6	2.5	2.5	2.6	3.0	3.2	3.3	4.0
503	Lumber and other construction material	(S)	(S)	(S)	4.2	4.6	4.9	5.3	6.2
504	Sporting, recreational, photographic, and hobby goods, toys and supplies	(S)	(S)	(S)	(S)	(S)	(S)	4.0	4.1
505	Metals and minerals, except petroleum	10.6	12.5	11.5	9.6	9.4	7.9	7.2	7.5
506	Electrical goods	7.6	8.9	9.0	9.5	12.7	12.5	13.4	13.6
507	Hardware, plumbing and heating equipment	5.3	5.5	5.2	5.5	6.3	6.4	6.6	6.9
508	Machinery, equipment, and supplies	29.3	32.3	31.7	31.7	33.6	34.8	34.8	36.2
509	Miscellaneous durable goods	(S)	(S)	(S)	5.1	6.0	6.4	7.1	7.9
51	Nondurable goods ²	44.3	46.9	43.3	46.0	48.1	50.9	52.0	57.1
511	Paper and paper products	2.0	2.3	2.2	2.7	3.0	3.3	3.6	3.6
512	Drugs, drug proprietaries and druggists' sundries	(S)	(S)	(S)	(S)	(S)	(S)	4.2	5.1
513	Apparel, piece goods and notions	(S)	(S)	(S)	5.7	6.3	6.5	7.3	6.1
514	Groceries and related products	7.6	7.8	8.2	8.9	9.7	10.8	12.2	13.0
515	Farm-product raw materials	7.6	6.1	6.4	7.6	7.3	7.9	8.2	6.9
516	Chemicals and allied products	(S)	(S)	(S)	(S)	(S)	(S)	2.2	2.6
517	Petroleum and petroleum products	(S)	(S)	(S)	(S)	(S)	(S)	3.9	3.4
518	Beer, wine, and distilled beverages	3.2	3.5	3.6	3.4	3.7	4.0	4.1	4.3
519	Miscellaneous nondurable goods	7.2	7.8	7.6	7.8	8.6	8.1	8.5	9.9
	SALES/INVENTORY RATIO³								
	Merchant wholesalers	9.14	9.40	9.01	9.33	9.54	9.36	9.11	9.21
50	Durable goods ²	6.14	6.13	5.88	6.19	6.56	6.77	6.78	6.86
501	Motor vehicles and automotive equipment	6.73	6.96	6.37	7.57	7.86	8.11	7.87	7.09
502	Furniture and home furnishings	6.51	7.06	7.16	7.67	7.57	7.00	7.03	6.16
503	Lumber and other construction material	(S)	(S)	(S)	9.90	10.15	10.18	10.23	10.06
505	Metals and minerals, except petroleum	5.97	5.66	4.57	5.30	6.52	7.00	7.17	8.01
506	Electrical goods	6.40	6.02	6.16	7.11	6.87	7.16	6.87	7.06
507	Hardware, plumbing and heating equipment	5.53	5.93	5.56	5.76	5.76	6.08	6.04	6.66
508	Machinery, equipment, and supplies	4.81	4.87	4.45	4.45	4.94	4.98	5.04	5.31
509	Miscellaneous durable goods	9.85	11.19	9.77	10.45	10.30	10.73	10.46	10.43
51	Nondurable goods ²	14.49	15.81	15.89	14.81	15.99	14.23	13.89	13.69
511	Paper and paper products	11.16	10.92	11.60	10.44	11.20	10.70	10.81	11.76
514	Groceries and related products	19.81	21.15	21.41	21.06	20.94	19.06	16.19	18.06
515	Farm-product raw materials	16.57	20.66	17.95	16.64	16.25	13.13	15.16	14.97
518	Beer, wine, and distilled beverages	9.69	9.99	10.16	10.82	10.16	9.60	9.60	9.84
519	Miscellaneous nondurable goods	10.71	11.10	11.59	11.26	11.09	11.69	11.80	10.66

S Data do not meet publication standards. ¹ Standard Industrial Classification; see text, section 13.

² Includes funds of businesses, not shown separately. ³ End of year inventories, seasonally adjusted.

Source: U.S. Bureau of the Census, *Current Business Reports, Revised Monthly Wholesale Trade Sales and Inventories, December 1960 Through December 1967*, (BR-13-873) and earlier reports, and unpublished data.

No. 1344. WHOLESALE TRADE—SUMMARY, BY STATE: 1982

DIVISION AND STATE	Estab- lish- ments	Sales (bil. dol.)	Paid employ- ees ¹ (1,000)	MERCHANT WHOLESALEERS	
				Estab- lish- ments	Sales (bil. dol.)
U.S.....	415,325	1,997.9	4,889	387,949	1,159.3
N. Eng.:					
ME.....	1,654	4.2	18	1,465	3.1
NH.....	1,487	4.1	16	1,220	2.6
VT.....	800	1.9	9	720	1.8
MA.....	9,708	49.8	132	7,837	26.3
RI.....	1,549	5.0	16	1,334	3.2
CT.....	5,329	32.7	60	4,241	19.8
Md. Atl.:					
NY.....	38,108	261.2	430	32,622	176.3
NJ.....	14,736	69.4	211	11,789	46.2
PA.....	17,873	78.4	221	14,209	38.9
E. No. Cent.:					
OH.....	16,965	79.6	221	12,387	37.5
IN.....	8,953	31.5	99	7,459	19.1
IL.....	21,722	131.1	267	16,975	68.5
MI.....	12,999	59.8	146	10,159	27.6
WI.....	8,156	27.4	91	6,832	16.6
W. No. Cent.:					
MN.....	9,020	47.4	104	7,334	30.6
IA.....	7,393	25.8	60	6,507	19.2
MO.....	10,149	49.4	122	8,202	27.5
ND.....	2,109	6.0	19	1,800	4.7
SD.....	1,806	4.9	16	1,635	3.0
NE.....	4,073	17.4	42	3,555	10.1
KS.....	5,607	24.5	58	4,605	15.5
So. Atl.:					
DE.....	819	7.3	14	859	2.1
MD.....	5,507	25.8	77	4,333	13.3
DC.....	465	2.6	9	394	1.5
VA.....	6,965	26.7	91	5,667	14.6
So. Atl.— Con.					
WV.....	2,380	6.1	26	2,016	4.1
NC.....	10,234	39.6	116	8,219	18.9
SC.....	4,599	12.7	46	3,864	7.8
GA.....	11,322	55.1	140	8,651	22.2
FL.....	19,537	65.6	212	16,267	39.1
E. So. Cent.:					
KY.....	5,278	19.2	60	4,336	11.0
TN.....	7,863	37.8	102	6,329	19.4
AL.....	5,913	19.6	86	4,946	12.2
MS.....	3,633	10.8	36	3,169	8.5
W. So. Cent.:					
AR.....	3,789	10.7	39	3,319	7.3
LA.....	7,678	35.1	96	6,335	24.9
OK.....	8,167	26.1	71	5,176	18.5
TX.....	31,978	206.0	417	25,670	122.7
ML:					
MT.....	1,806	4.9	16	1,586	3.7
ID.....	2,026	5.1	22	1,773	3.7
WY.....	1,081	3.3	10	906	2.8
CO.....	6,357	26.9	77	4,940	15.2
NM.....	2,123	5.1	21	1,821	4.1
AZ.....	4,555	13.9	52	3,721	8.3
UT.....	2,595	8.7	31	2,066	5.3
NV.....	1,233	3.9	14	1,073	2.6
Pac.:					
WA.....	7,839	31.3	90	6,160	18.5
OR.....	5,160	26.9	58	4,221	16.9
CA.....	43,278	217.7	548	34,832	126.6
AK.....	706	2.7	7	552	1.6
HI.....	1,737	4.1	17	1,434	2.5

¹ For the pay period including March 12.

Source: U.S. Bureau of the Census, 1982 Census of Wholesale Trade, Geographic Area Series, WC82-A-1 to 51.

No. 1345. SELECTED SERVICE INDUSTRIES—SUMMARY: 1977 AND 1982

[For establishments with paid employees]

ITEM	Unit	FIRMS SUBJECT TO FEDERAL INCOME TAX			Firms ex- empt ² 1982
		1977	1982		
			Original	Revised ¹	
Firms	1,000	654	1,154	740	121
Total establishments	1,000	725	1,262	827	147
Single unit	1,000	828	1,111	708	112
Multunit	1,000	99	151	119	35
Receipts ³	Bil. dol.	184.2	427.0	310.7	61.5
Average receipts ³ per establishment	\$1,000	226.5	338.4	375.7	416.1
Of multunit establishments	Bil. dol.	69.9	183.9	140.1	24.3
Percent of total ³	Percent	42.6	38.4	45.1	39.5
Payroll, entire year	Bil. dol.	58.1	156.6	107.9	23.1
Paid employees ⁴	1,000	6,337	11,108	8,060	2,260

¹ Because of the differences in scope between 1977 and 1982, the 1982 data have been recomputed to be comparable to 1977 (Standard Industrial Classification codes 702, 704, 80 (except 8072); 823, 824, 829, 83, 882, 883, and 889 excluded).
² No similarly published data in 1977. ³ Revenue for tax-exempt activity. ⁴ For workweek including March 12.

Source: U.S. Bureau of the Census, Census of Service Industries, 1977, vol. 1, and 1982, SC 62-I-1.

NO. 1346. SERVICE INDUSTRIES—SUMMARY OF ESTABLISHMENTS BY TAX STATUS: 1977 AND 1982

(See Historical Statistics, Colonial Times to 1970, series T 391-443 for similar but not comparable data)

KIND OF BUSINESS	ESTABLISHMENTS ¹ (1,000)		RECEIPTS OR EXPENSES ¹ (mil. dol.)		ANNUAL PAYROLL (mil. dol.)		PAID EMPLOYEES ² (1,000)	
	1977	1982	1977	1982	1977	1982	1977	1982
Firms subject to Federal income tax	2,755.1	(NA)	348,813	(NA)	81,183	158,826	8,518.9	11,188.1
Hotels, motels, and other lodging places	78.7	88.1	18,785	34,867	5,188	8,388	918.7	1,188.1
Hotels, motor hotels, and motels	51.9	47.8	17,719	32,675	5,027	9,057	894.1	1,078.2
Travelling parks and camps	18.8	15.3	734	1,044	103	151	11.9	16.2
Rooming, boarding, and membership lodgings	(X)	8.3	(X)	338	80	71	12.7	10.8
Personal services ³	512.1	(NA)	18,433	(NA)	5,478	7,588	918.4	978.5
Laundry cleaning and garment services	75.4	68.2	8,829	9,913	2,288	3,225	381.0	354.5
Photographic studios, portrait	37.1	48.5	1,185	2,027	215	357	29.8	44.0
Beauty and barber shops	284.7	274.8	5,285	7,455	1,816	2,414	318.7	314.2
Shoe repair shoe shine, etc.	9.8	7.8	239	281	40	55	7.2	7.0
Funeral service, crematories	19.8	18.7	2,827	3,838	639	927	71.8	74.2
Business services	458.2	(NA)	54,880	(NA)	20,882	42,418	2,297.4	3,181.7
Advertising	32.9	41.7	4,983	9,288	1,821	3,392	118.8	145.9
Services to dwellings, other buildings	67.3	91.9	4,587	8,197	2,258	3,888	426.3	540.0
Computer data processing services	16.1	40.9	7,576	22,217	2,833	7,843	203.8	353.5
Computer prog., other software services	(NA)	(NA)	(NA)	(NA)	957	3,238	51.3	128.6
Data processing services	(NA)	(NA)	(NA)	(NA)	1,814	3,448	195.7	183.4
Computer related services, n.e.c. ⁴	(NA)	(NA)	(NA)	(NA)	262	1,080	16.8	43.5
Management consulting, public relations	143.8	267.9	8,343	20,186	2,838	6,529	208.8	353.5
Equipment rental, leasing services	28.3	48.2	4,970	11,381	1,080	2,305	84.6	133.4
Other business services ⁵	188.9	(NA)	23,886	(NA)	9,818	18,447	1,252.5	1,825.4
Credit reporting, collection agencies	(NA)	(NA)	(NA)	(NA)	538	808	64.2	80.5
Direct mail advertising services	(NA)	(NA)	(NA)	(NA)	278	580	31.5	43.7
Commercial photography, art, graphics	(NA)	(NA)	(NA)	(NA)	588	1,084	46.0	86.8
Personnel supply services	(NA)	(NA)	(NA)	(NA)	2,881	5,632	431.7	808.8
Research and development labs	(NA)	(NA)	(NA)	(NA)	843	1,578	48.5	84.1
Testing labs and facilities	(NA)	(NA)	(NA)	(NA)	308	643	25.3	36.0
Detective agencies, protective services	(NA)	(NA)	(NA)	(NA)	1,588	3,000	279.9	340.5
Automotive repair, services, garages	280.2	227.8	21,878	33,782	4,488	7,987	682.8	588.2
Automotive rental and leasing, without drivers	12.4	12.5	5,407	8,750	834	1,380	75.5	94.2
Automobile parking	8.9	8.8	1,008	1,582	211	325	33.9	34.9
Automotive repair shops	154.2	178.1	12,770	20,414	3,080	4,806	318.3	384.8
General auto repair	87.0	109.6	5,633	8,824	1,173	1,840	128.3	144.1
Top and body repair	38.8	40.8	3,246	5,388	674	1,439	87.9	103.4
Other auto repair	28.4	28.8	3,891	6,082	1,043	1,827	120.0	117.2
Automotive services, etc. repair	24.7	27.2	1,391	2,026	320	448	57.8	88.5
Miscellaneous repair services	182.9	188.3	11,838	18,832	2,882	4,888	278.1	288.7
Electrical, electronic repair shops	52.5	35.9	3,581	4,488	1,001	1,350	95.2	87.4
Reupholstery, furniture repair	24.8	21.3	884	826	147	192	20.9	19.8
Other repair shops, related services	85.6	102.0	6,728	10,718	1,833	3,017	161.8	182.5
Amusement, rec. serv., incl. motion pictures	178.8	214.4	21,143	35,328	5,372	8,808	888.3	802.8
Motion picture prod. distribution, services	10.7	15.9	5,412	10,354	1,377	2,451	88.4	127.2
Motion picture theaters	11.8	10.0	2,806	3,810	482	587	112.2	103.5
Producers, orchestras, entertainers	87.7	82.9	2,361	4,319	524	971	80.1	58.8
Bowling alleys, billiards, pool establishments	11.3	8.8	1,788	2,308	480	648	108.1	108.8
Commercial sports, other amusement, recreation services	75.2	88.7	8,887	14,730	2,418	4,188	301.5	407.4
Health services, except hospitals ³	443.1	542.8	84,388	101,220	20,862	42,832	1,821.0	2,433.1
Offices of physicians	188.1	234.8	28,758	53,241	11,854	24,576	824.0	822.0
Offices of dentists	98.3	114.4	10,007	18,814	3,044	5,788	284.4	402.5
Medical and dental laboratories	15.7	17.2	2,459	4,245	880	1,820	87.8	103.7
Legal services	187.8	283.8	18,888	38,838	5,317	12,854	382.8	688.4
Selected educational services ³	81.8	107.8	1,838	3,228	489	822	81.3	88.8
Correspondence and vocational schools	(NA)	(NA)	(NA)	(NA)	302	508	34.1	38.0
Schools and educational services, n.e.c. ⁴	(NA)	(NA)	(NA)	(NA)	188	309	28.2	30.0
Engineering, architectural, surveying services	75.8	88.8	14,737	35,857	8,282	14,717	373.3	581.5
Accounting, auditing, bookkeeping services	128.1	178.8	7,980	15,888	2,917	5,933	238.9	388.2
Social and other services	278.7	(NA)	5,732	(NA)	1,073	1,884	191.4	342.7
Social services	(NA)	(NA)	(NA)	(NA)	888	1,477	177.4	222.0
Child day care services	(NA)	(NA)	(NA)	(NA)	338	616	87.5	123.1
Firms exempt from Federal income tax	(X)	147.1	(X)	54,822	(X)	23,142	(X)	2,288.1
Hotels, camps, membership lodging	(X)	4.1	(X)	513	(X)	158	(X)	22.8
Research, testing, consulting services	(X)	1.8	(X)	2,813	(X)	1,251	(X)	83.8
Selected amusement, rec., related services	(X)	78.8	(X)	8,187	(X)	2,108	(X)	313.8
Selected health services ³	8.7	10.8	4,784	10,438	2,818	5,187	233.8	478.2
Nursing and personal care facilities	2.3	3.0	2,218	4,752	1,203	2,587	201.8	283.2
Outpatient care facilities	4.2	4.7	1,805	3,957	918	1,857	86.2	108.8
Legal aid societies, similar legal services	1.1	1.8	258	421	183	352	12.4	14.5
Selected educational services	4.1	4.8	702	1,180	318	487	48.4	62.7
Social services	41.8	53.8	8,288	18,458	4,124	7,821	678.8	988.8
Child day care services	10.8	12.7	829	1,494	485	889	102.4	135.3
Selected membership organizations ³	88.1	81.8	8,488	18,883	3,073	5,188	417.3	482.8
Business associations	11.7	12.1	2,308	4,651	822	1,488	88.8	80.2
Civic, social, and fraternal associations	34.1	35.8	3,808	5,557	1,342	2,078	255.9	285.8
Noncommercial educational, scientific, and research organizations	1.8	1.8	1,437	2,733	588	977	47.8	48.8

NA Not available. X Not applicable. ¹Data for number of establishments and receipts of firms subject to Federal income tax include establishments without payroll. Receipts refer to establishments subject to Federal income tax. Expenses refer to establishments exempt from Federal income tax. ²For pay period including March 12. ³Includes other kinds of businesses, not shown separately. ⁴N.e.c. means not elsewhere classified. ⁵Data revised since originally published; revisions not carried to the broader kind-of-business level.

Source: U.S. Bureau of the Census, *Census of Service Industries, 1977*, Geographic Area Series, vol. II; *1982 Census of Service Industries*, Geographic Area Series, series SC82-A-52 and change sheet.

NO. 1347. SERVICES—ESTABLISHMENTS, EMPLOYEES, AND PAYROLL: 1980 TO 1986

[Excludes government employees, railroad employees, self-employed persons, etc. For statement on methodology, see Appendix III]

SIC code	KIND OF BUSINESS	ESTABLISHMENTS (1,000)			EMPLOYEES (1,000)			Pay- roll, 1986 (bil. dol.)
		1980	1985	1986	1982	1985	1986	
(I)	Services, total ¹	1,278.2	1,711.0	1,811.3	17,199	21,549	22,878	381
70	Hotels and other lodging places ²	41.4	48.0	48.0	1,086	1,270	1,332	14
701	Hotels, motels, and tourist courts	32.1	37.0	37.6	1,034	1,210	1,269	13
72	Personal services ²	152.3	175.2	179.0	953	1,069	1,117	11
721	Laundry, cleaning, and garment services ²	40.2	44.9	45.9	359	372	384	4
7215	Coin-operated laundries and cleaning	8.7	10.4	10.4	36	37	36	2
7216	Dry cleaning plants, except rug	17.4	17.2	16.3	132	139	136	1
723	Beauty shops	65.7	72.1	73.3	285	316	332	3
726	Funeral service and crematories	14.0	14.6	14.4	71	75	77	1
73	Business services ²	161.4	258.4	276.6	2,991	4,272	4,613	81
731	Advertising	10.6	15.6	16.2	140	185	167	6
7311	Advertising agencies	7.4	9.8	9.8	100	127	128	4
732	Credit reporting and collection	5.6	5.9	5.9	65	69	78	1
733	Mailing, reproduction, and stenographic services	14.6	20.3	20.6	136	190	196	4
7333	Commercial photography, art and graphics	7.0	10.2	10.1	63	84	85	2
734	Services to dwellings and other buildings	23.4	33.7	35.6	497	607	637	6
736	Personnel supply services ²	13.7	17.9	19.0	599	865	971	11
7361	Employment agencies	8.0	10.0	10.5	109	158	192	3
7362	Temporary help supply services	5.2	7.5	8.1	418	689	738	7
737	Computer and data processing services ²	13.6	28.1	27.1	303	515	554	16
7372	Computer programming and other software services	4.4	10.9	11.1	63	193	223	8
7374	Data processing services	6.2	7.6	7.9	167	253	256	6
739	Miscellaneous business services ²	75.5	120.4	129.9	1,270	1,796	1,875	35
7391	Research and development laboratories	2.3	3.4	3.5	99	141	148	5
7392	Management and public relations	27.2	43.9	45.4	325	512	562	13
7393	Detective agencies and protective services	6.8	10.1	10.4	338	411	431	5
7394	Equipment rental and leasing services	12.1	23.0	28.1	115	216	222	4
7395	Photofinishing laboratories	2.7	5.0	5.3	75	75	78	1
75	Automotive repair, services, and garages ²	90.5	127.6	133.6	560	676	727	11
751	Automotive rental, without drivers	6.7	9.7	9.8	101	120	136	2
7512	Passenger car rental and leasing	4.2	5.0	5.2	50	99	79	1
7513	Truck rental and leasing	4.1	4.2	3.9	48	49	56	1
753	Automotive repair shops	75.1	98.4	90.5	359	420	435	7
7531	Top and body repair shops	19.7	25.5	28.2	85	119	125	2
7536	General automotive repair shops	34.8	44.9	48.5	150	170	176	3
754	Automotive services, except repair	7.9	11.1	12.2	62	83	92	1
76	Miscellaneous repair services	46.0	56.7	58.4	319	327	339	6
7622	Radio and television repair	7.2	6.3	5.8	37	31	31	1
78	Motion pictures ²	14.9	18.2	18.5	208	229	252	5
781	Motion picture production, distribution, and services	4.1	8.5	9.2	93	117	140	3
783	Motion picture theaters	9.5	8.6	8.2	109	96	97	1
79	Amusement and recreation services ²	45.5	60.2	61.5	786	786	797	10
792	Theatrical producers, bands, orchestras, entertainers	5.9	7.8	7.6	96	97	103	2
7933	Bowling alleys	6.2	6.3	6.1	110	100	97	1
794	Commercial sports	2.1	2.5	2.5	80	88	85	2
7997	Membership sports and recreation clubs	9.5	13.2	13.1	172	215	220	3
80	Health services ²	310.8	390.2	401.4	5,258	6,337	6,614	126
801	Offices of physicians	147.2	180.1	182.1	742	924	960	35
802	Offices of dentists	85.7	96.4	89.9	351	445	465	8
8041	Offices of chiropractors	8.9	15.3	16.8	22	42	48	1
8042	Offices of optometrists	12.5	14.6	14.6	36	50	52	1
805	Nursing and personal care facilities	12.8	16.0	16.5	1,002	1,206	1,270	12
806	Hospitals	5.3	5.8	5.7	2,673	2,944	2,974	56
807	Medical and dental laboratories	10.8	13.2	13.9	96	112	124	2
808	Outpatient care facilities	8.6	12.5	14.0	185	251	290	6
81	Legal services	97.3	125.7	128.7	503	685	748	22
82	Educational services ²	23.3	30.1	31.0	1,241	1,517	1,562	22
821	Elementary and secondary schools	11.3	13.3	13.4	303	374	387	5
822	Colleges and universities	2.4	2.8	2.8	820	985	997	15
83	Social services ²	60.6	86.1	92.8	1,023	1,291	1,388	13
836	Residential care	9.9	14.9	15.8	214	280	300	3
86	Membership organizations ²	130.7	176.0	207.9	1,215	1,552	1,686	17
861	Business associations	11.1	11.7	11.8	79	87	90	2
863	Labor organizations	20.6	20.6	20.5	172	170	160	2
864	Civic and social associations	30.5	35.6	37.0	279	311	327	3
865	Religious organizations	58.0	83.0	122.3	673	651	966	7
891	Engineering and architectural services	37.5	53.2	55.9	694	667	706	21
893	Accounting, auditing and bookkeeping	40.8	58.1	60.8	302	400	432	9

¹ Standard Industrial Classification; see text, section 13.² Includes kinds of business not shown separately.Source: U.S. Bureau of the Census, *County Business Patterns*, annual.

No. 1348. SERVICE INDUSTRIES—ANNUAL RECEIPTS OF TAXABLE FIRMS: 1980 TO 1987

[In millions of dollars. Estimated]

SIC ¹ code	KIND OF BUSINESS	1980	1983	1984	1985	1986	1987
70	Hotels, camps, and other lodging places	(NA)	(NA)	(NA)	44,414	45,952	51,097
701	Hotels, motels, and tourist courts	28,952	35,870	38,859	41,742	43,317	48,236
72	Personal services ²	25,133	32,278	34,036	36,978	39,407	42,383
721	Laundry, cleaning, and garment services	9,213	10,821	11,895	12,841	13,062	13,895
723	Beauty shops	5,798	7,731	8,048	8,591	9,043	9,780
728	Funeral service and crematories	3,491	4,257	4,726	5,270	5,515	5,810
73	Business services ²	(NA)	(NA)	(NA)	181,988	186,743	216,306
731	Advertising	(NA)	11,079	13,645	16,334	17,343	18,304
7311	Advertising agencies	(NA)	9,179	10,358	12,432	13,156	13,461
733	Mailing, reproduction, and stenographic services	(NA)	(NA)	(NA)	10,740	11,697	13,217
7333	Commercial photography, art, and graphics	(NA)	(NA)	(NA)	4,551	4,699	5,316
734	Services to dwellings and other buildings	(NA)	9,970	11,100	12,545	13,828	14,763
7348	Cleaning and maintenance services to dwellings, and other buildings, n.e.c. ³	(NA)	(NA)	(NA)	10,035	11,242	11,808
736	Personnel supply services ²	(NA)	10,862	14,088	16,006	18,019	21,717
7361	Employment agencies	(NA)	(NA)	(NA)	4,440	4,818	5,395
7362	Temporary help supply services	(NA)	(NA)	(NA)	9,199	10,447	13,443
737	Computer and data processing services	(NA)	24,673	26,613	32,093	35,796	39,274
7372	Computer programming and other software services	(NA)	9,445	11,411	12,590	14,399	16,832
7374	Data processing services	(NA)	11,034	12,409	13,321	14,426	14,959
7379	Computer related services, n.e.c. ³	(NA)	4,191	4,793	5,182	5,982	7,484
7381	Research and development laboratories ⁴	(NA)	(NA)	(NA)	7,698	8,868	9,242
7382	Management, consulting, and public relations services ⁴	(NA)	(NA)	(NA)	33,516	36,786	38,479
7383	Detective agencies and protective services	(NA)	5,140	6,932	7,965	8,894	10,136
7384	Equipment rental and leasing services	(NA)	(NA)	(NA)	16,451	17,071	17,699
75	Automotive repair, services, and garages ²	30,547	37,304	43,615	51,543	53,983	57,837
751	Automotive rental and leasing ²	8,759	10,754	12,589	14,510	15,366	16,550
7512	Passenger car rental and leasing	4,691	6,124	7,365	8,743	9,319	9,911
7513	Truck rental and leasing	3,968	4,492	4,955	5,329	5,571	6,148
753	Automotive repair shops	18,077	22,697	25,877	30,983	32,084	34,749
76	Miscellaneous repair services	16,424	15,978	17,230	19,899	20,180	21,699
78	Motion pictures	12,509	14,830	15,797	17,002	18,205	20,753
781,2	Motion picture production, distribution, and allied services	(NA)	(NA)	(NA)	12,687	13,566	15,745
79	Amusement and recreation services ²	(NA)	(NA)	(NA)	25,416	27,327	29,407
792	Theatrical producers, bands, orchestras, and entertainers ⁴	(NA)	(NA)	(NA)	4,947	5,910	5,989
794	Commercial sports	(NA)	(NA)	(NA)	4,863	5,029	6,040
80	Health services ^{2,5}	(NA)	(NA)	(NA)	151,225	167,473	186,520
801	Offices of physicians	36,754	56,986	62,599	66,489	75,138	87,415
802	Offices of dentists	12,639	17,255	18,829	20,187	21,420	23,418
804	Offices of other health practitioners	(NA)	(NA)	(NA)	7,551	8,315	9,630
805	Nursing and personal care facilities ⁴	(NA)	(NA)	(NA)	17,632	19,225	20,256
806	Hospitals ⁴	(NA)	(NA)	(NA)	18,796	21,567	23,572
808	Outpatient care facilities ⁴	(NA)	(NA)	(NA)	8,967	11,104	13,422
81	Legal services ^{4,6}	(NA)	(NA)	(NA)	51,577	57,143	64,510
881	Engineering and architectural services	(NA)	36,240	39,067	43,617	45,367	50,466
883	Accounting, auditing, and bookkeeping	(NA)	17,113	18,964	22,308	24,082	27,949
4722	Arrangement of passenger transportation	(NA)	4,784	5,786	6,985	6,424	7,030
853	Real estate agents and managers ²	(NA)	21,773	25,408	31,257	34,959	38,145

NA Not available. ¹ Standard Industrial Classification; see text, section 13. ² Includes other kinds of businesses, not shown separately. ³ N.e.c. means not elsewhere classified. ⁴ For data on tax-exempt organizations, see table 1349. ⁵ Excludes nonemployers.

No. 1349. SELECTED SERVICE INDUSTRIES—ANNUAL REVENUES OF TAX-EXEMPT FIRMS: 1985 AND 1987

[In millions of dollars. Estimated]

SIC ¹ code	KIND OF BUSINESS	1985	1987	SIC ¹ code	KIND OF BUSINESS	1985	1987
7381,2,7 782,7997, 7999	Selected business services ²	4,667	6,525	81	Legal services	374	520
805,8,9 805	Selected amusement services ³	5,583	6,832	833	Job training and vocational re- habilitation services	3,369	3,980
805	Selected health services ⁴	141,580	175,909	835	Child day care services	2,971	3,724
805	Nursing and personal care fa- cilities	6,806	7,946	836	Residential care	6,737	7,101
806	Hospitals	125,218	156,163	892	Noncommercial educational, scientific, and research orga- nizations	4,440	5,662
808	Outpatient care facilities	6,645	7,874				

¹ Standard Industrial Classification; see text, section 13. ² Covers research and development laboratories (SIC 7381); management, consulting, and public relations services (SIC 7382); and commercial testing laboratories (SIC 7397). ³ Covers theatrical producers, bands, orchestras, and entertainers (SIC 792); membership sports and recreation clubs (SIC 7997); and amusement and recreation services, not elsewhere classified (SIC 7999). ⁴ Includes health and allied services, not elsewhere classified (SIC 806).

Source of tables 1348 and 1349: U.S. Bureau of the Census, *Current Business Reports*, series B8, 1987 Service Annual Survey.

No. 1360. HOTEL AND MOTOR HOTEL OPERATIONS—OCCUPANCY RATIO, SALES INDEXES, AND ROOM RATE INDEX: 1970 TO 1987

(Annual averages of monthly figures. Based on monthly reports from lodging establishments (approximately 1,400 in 1985). Prior to 1980, economy operations were included. See table 1361)

ITEM	1970	1975	1977	1979	1979	1980	1981	1982	1983	1984	1985	1986	1987
Occupancy ratio (percent).....	66	62	66	72	71	66	67	65	66	66	64	65	■
Sales indexes (1967 = 100):													
Total sales.....	107	132	180	199	210	234	251	256	267	299	294	308	323
Room sales.....	112	145	186	218	249	289	305	313	329	361	370	390	413
Restaurant sales.....	100	119	139	166	167	180	181	193	198	209	209	214	219
Room rate index (1967 = 100).....	126	165	194	229	255	296	328	349	361	387	404	■	436

Source: Lavenol & Horvath, Philadelphia, PA, *National Trend of Business in the Lodging Industry*, monthly. (Copyright.)

No. 1361. THE LODGING INDUSTRY, BY TYPE OF ESTABLISHMENT—SUMMARY: 1985 TO 1987

(An economy lodging establishment offers clean, standard-sized, fully-furnished modern rooms at usually \$10.00 to \$20.00 per night below the rate of typical full-service motor hotels. Their customers do not need food facilities, banquet rooms or meeting facilities, indoor recreation areas, or entertainment. An All-suite hotel doesn't have rooms, only suites. A suite differs from a hotel room by several characteristics. Generally, there is a separate bedroom, and guest amenities often include "amenities" such as a wet bar or microwave, and in some cases a full-kitchen. A resort hotel is a lodging facility providing an environment conducive to leisure and recreation and an emphasis on isolation/detachment while providing a full range of leisure oriented amenities. Based on Annual Surveys of Lodging Establishments. Covers approximately 800 full-service, 300 economy, 60 all suite, and 160 resort establishments in 1985. All figures except percents are medians. For definition of median, see Guide to Tabular Presentation)

ITEM	FULL-SERVICE		ECONOMY		ALL-SUITE		RESORT	
	1985	1987	1985	1987	1985	1987	1985	1987
Room occupancy rate.....	84.9	85.3	89.3	85.3	85.3	70.3	88.8	89.6
Average room rate (dol.).....	59.29	57.84	29.04	30.89	72.44	69.33	86.14	83.01
Sales per available room (dol.).....	21,739	22,885	7,718	7,700	22,045	17,891	25,480	18,947
Payroll and related expenses per available room (dol.).....	6,700	(NA)	1,398	1,274	6,376	6,713	9,244	(NA)
Ratio of net income before income tax to sales.....	-3.6	-4.0	30.6	13.8	(NA)	(NA)	.1	1.9
Employees ¹ per 100 available rooms.....	41.7	(NA)	(NA)	(NA)	28.8	41.8	61.5	79.8
Sales per employee ¹ (dol.).....	48,892	(NA)	(NA)	(NA)	43,134	48,513	44,108	(NA)
Composition of market—(percent):								
Business travelers/government officials.....	39.2	40.3	58.9	43.4	57.9	68.9	8.8	8.2
Tourists.....	34.8	32.8	31.5	42.8	28.7	22.8	88.7	89.7
Conference participants.....	15.2	20.0	4.9	4.1	12.9	11.2	21.9	29.4
Percent advanced reservations.....	88.9	71.9	44.2	36.1	60.8	81.8	82.2	85.9

NA Not available. ¹ Full-time equivalent employees.

Source: Lavenol & Horvath, Philadelphia, PA, *U.S. Lodging Industry*, annual; *U.S. All-Suite Lodging Industry*, annual; *U.S. Economy/Limited-Service Lodging Industry*, annual; and *U.S. Resort Lodging Industry*, annual.

No. 1362. COMPUTER AND DATA PROCESSING SERVICES—RECEIPTS, BY SOURCE: 1977 AND 1982

(In millions of dollars. For establishments with payroll)

RECEIPT SOURCE	TOTAL		COMPUTER PROGRAMS ¹		DATA PROCESSING				COMPUTER RELATED SERVICES (U.S.C.) ²	
	1977	1982	1977	1982	Total		Excluding facilities management ³		1977	1982
					1977	1982	1977	1982		
Total.....	7,476	21,519	1,992	8,189	4,474	19,899	4,688	9,466	1,918	3,539
Programming, systems analysis and design: ¹										
Prepackaged.....	1,384	1,808	1,771	1,515	182	78	165	70	(NA)	14
Custom.....		4,582		4,175		377		352	(NA)	31
Research and development ⁴	35	89	24	63	10	12	10	11	(NA)	4
Data processing and preparation.....	3,736	8,831	72	249	3,652	8,371	3,642	8,357	(NA)	11
Facilities management.....	446	896	25	34	416	857	18	43	(NA)	6
Rental or leasing ⁵ of data processing equipment.....	452	1,063	13	131	21	89	21	88	(NA)	842
Rental, sales, licensing of integrated systems.....		1,709		1,501		185		161		22
Consulting and planning ⁶	889	713	30	167	65	111	54	86	(NA)	436
Maintenance of equipment.....		2,155		159		20		18		1,379
Other services.....	256	683	67	206	126	196	127	180	(NA)	181

NA Not available. ¹ And related software. ² Operation of customers' in-house operation. ³ Not elsewhere classified.

⁴ Of hardware. ⁵ Except finance leasing. ⁶ Except programming services.

Source: U.S. Bureau of the Census, *Census of Service Industries: 1977*, Subject Series, SC-77-S-8, and *1982 Census of Service Industries, Miscellaneous Subjects*, SC 82-S-5.

NO. 1346. SERVICE INDUSTRIES—ANNUAL RECEIPTS OF TAXABLE FIRMS: 1980 TO 1987

(In millions of dollars. Estimated)

SIC ¹ code	KIND OF BUSINESS	1980	1981	1984	1985	1986	1987
70	Hotels, camps, and other lodging places	(NA)	(NA)	(NA)	44,414	45,952	51,097
701	Hotels, motels, and tourist courts	20,952	35,870	38,859	41,742	43,317	48,238
72	Personal services ²	25,133	32,278	34,036	36,978	39,407	42,363
721	Laundry, cleaning, and garment services	9,213	10,821	11,895	12,541	13,062	13,885
723	Beauty shops	5,795	7,731	8,048	8,591	9,043	9,780
726	Funeral service and crematories	3,491	4,267	4,726	5,278	5,515	5,810
73	Business services ²	(NA)	(NA)	(NA)	181,988	196,743	218,306
731	Advertising	(NA)	11,979	13,645	16,334	17,343	18,304
7311	Advertising agencies	(NA)	9,178	10,358	12,432	13,156	13,481
733	Mailing, reproduction, and stenographic services	(NA)	(NA)	(NA)	10,740	11,897	13,217
7339	Commercial photography, art, and graphics	(NA)	(NA)	(NA)	4,551	4,699	5,318
734	Services to dwellings and other buildings	(NA)	9,970	11,100	12,545	13,626	14,763
7349	Cleaning and maintenance services to dwellings, and other buildings n.e.c. ³	(NA)	(NA)	(NA)	10,036	11,242	11,806
736	Personnel supply services ²	(NA)	10,862	14,068	16,006	18,019	21,717
7361	Employment agencies	(NA)	(NA)	(NA)	4,440	4,818	5,365
7362	Temporary help supply services	(NA)	(NA)	(NA)	9,199	10,447	13,443
737	Computer and data processing services	(NA)	24,673	28,813	32,083	35,796	39,274
7372	Computer programming and other software services	(NA)	9,448	11,411	12,580	14,388	16,832
7374	Data processing services	(NA)	11,034	12,409	13,321	14,425	14,959
7379	Computer related services, n.e.c. ³	(NA)	4,191	4,793	5,182	6,982	7,484
7391	Research and development laboratories ⁴	(NA)	(NA)	(NA)	7,698	8,886	9,242
7392	Management, consulting, and public relations services ⁴	(NA)	(NA)	(NA)	33,815	36,785	38,479
7393	Detective agencies and protective services	(NA)	6,140	6,832	7,985	8,894	10,139
7394	Equipment rental and leasing services	(NA)	(NA)	(NA)	16,451	17,071	17,699
75	Automotive repair services, and garages ²	30,547	37,304	43,615	51,543	53,863	57,837
751	Automotive rental and leasing ⁴	8,759	10,754	12,589	14,510	15,386	16,560
7512	Passenger car rental and leasing	4,691	6,124	7,365	8,743	9,319	9,911
7513	Truck rental and leasing	3,968	4,492	4,955	5,329	5,571	6,148
753	Automotive repair shops	18,077	22,697	25,877	30,853	32,024	34,749
75	Miscellaneous repair services	15,424	15,978	17,230	19,889	20,180	21,598
78	Motion pictures	12,509	14,630	15,797	17,002	18,205	20,759
781,2	Motion picture production, distribution, and allied services	(NA)	(NA)	(NA)	12,997	13,586	15,745
79	Amusement and recreation services ²	(NA)	(NA)	(NA)	25,418	27,327	29,407
792	Theatrical producers, bands, orchestras, and entertainers ⁴	(NA)	(NA)	(NA)	4,947	5,910	6,869
794	Commercial sports	(NA)	(NA)	(NA)	4,963	5,029	6,040
80	Health services ^{4,5}	(NA)	(NA)	(NA)	151,225	167,473	189,520
801	Offices of physicians	38,754	56,985	62,599	66,499	75,136	87,415
802	Offices of dentists	12,539	17,255	18,629	20,187	21,420	23,419
804	Offices of other health practitioners	(NA)	(NA)	(NA)	7,551	8,315	9,630
805	Nursing and personal care facilities ⁴	(NA)	(NA)	(NA)	17,632	18,225	20,258
806	Hospitals ⁴	(NA)	(NA)	(NA)	18,796	21,997	23,572
808	Outpatient care facilities ⁴	(NA)	(NA)	(NA)	8,967	11,104	13,422
81	Legal services ^{4,5}	(NA)	(NA)	(NA)	51,677	57,143	64,510
891	Engineering and architectural services	(NA)	36,240	39,097	43,617	45,397	50,468
893	Accounting, auditing, and bookkeeping	(NA)	17,113	18,984	22,308	24,062	27,949
4722	Arrangement of passenger transportation	(NA)	4,784	5,785	6,885	8,424	7,030
863	Real estate agents and managers ⁴	(NA)	21,773	25,408	31,257	34,859	38,145

NA Not available. ¹ Standard Industrial Classification; see text, section 13. ² Includes other kinds of businesses, not shown separately. ³ N.e.c. means not elsewhere classified. ⁴ For data on tax-exempt organizations, see table 1349. ⁵ Excludes nonemployers.

NO. 1349. SELECTED SERVICE INDUSTRIES—ANNUAL REVENUES OF TAX-EXEMPT FIRMS: 1985 AND 1987

(In millions of dollars. Estimated)

SIC ¹ code	KIND OF BUSINESS	1985	1987	SIC ¹ code	KIND OF BUSINESS	1985	1987
7361,2,7 782,7997, 7999 805,8,9	Selected business services ²	4,857	6,526	81 833	Legal services	374	620
7999	Selected amusement services ³	5,583	6,832	835	Job training and vocational re-habilitation services	3,388	3,980
805	Selected health services ⁴	141,580	175,909	836	Child day care services	2,971	3,724
805	Nursing and personal care facilities	6,806	7,948	892	Residential care	5,737	7,101
806	Hospitals	125,218	156,183		Noncommercial educational, scientific, and research organizations	4,440	5,582
808	Outpatient care facilities	6,845	7,874				

¹ Standard Industrial Classification; see text, section 13. ² Covers research and development laboratories (SIC 7391); management, consulting, and public relations services (SIC 7392); and commercial testing laboratories (SIC 7397). ³ Covers theatrical producers, bands, orchestras, and entertainers (SIC 792); membership sports and recreation clubs (SIC 7997); and amusement and recreation services, not elsewhere classified (SIC 7999). ⁴ Includes health and allied services, not elsewhere classified (SIC 809).

Source of tables 1346 and 1349: U.S. Bureau of the Census, Current Business Reports, series B2, 1987 Service Annual Survey.

No. 1388. HOTEL AND MOTOR HOTEL OPERATIONS—OCCUPANCY RATIO, SALES INDEXES, AND ROOM RATE INDEX: 1970 TO 1987

(Annual averages of monthly figures. Based on monthly reports from lodging establishments (approximately 1,400 in 1985). Prior to 1980, economy operators were excluded. See table 1361.)

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Occupancy ratio (percent)	66	62	66	72	71	66	67	65	68	66	64	65	66
Sales indexes (1967 = 100):													
Total sales	107	132	188	188	210	234	251	226	267	280	294	308	323
Room sales	112	145	186	210	240	283	305	313	329	361	370	380	413
Restaurant sales	100	119	139	168	167	180	191	193	188	200	209	214	219
Room rate index (1967 = 100)	135	166	194	249	285	285	328	345	361	367	404	419	426

Source: Lavenhol & Horwath, Philadelphia, PA, *National Trend of Business in the Lodging Industry*, monthly. (Copyright.)

No. 1351. THE LODGING INDUSTRY, BY TYPE OF ESTABLISHMENT—SUMMARY: 1965 TO 1987

(An economy lodging establishment offers clean, standard-sized, fully-furnished modern rooms at usually \$10.00 to \$20.00 per night below the rate of typical full-service motor hotels. Their customers do not need food facilities, banquet rooms or meeting facilities, indoor recreation areas, or entertainment. An All-suite hotel doesn't have rooms, only suites. A suite differs from a hotel room by several characteristics. Generally, there is a separate bedroom, and guest amenities often include "extras" such as a wet bar or microwave, and in some cases a full-kitchen. A resort hotel is a lodging facility providing an environment conducive to leisure and recreation and an ambience of isolation/destination while providing a full range of leisure oriented amenities. Based on Annual Surveys of Lodging Establishments. Covers approximately 800 full-service, 300 economy, 60 all suite, and 180 resort establishments in 1988. All figures except percents are medians. For definition of median, see Guide to Tabular Presentation.)

ITEM	FULL-SERVICE		ECONOMY		ALL-SUITE		RESORT	
	1966	1987	1982	1987	1986	1988	1986	1987
Room occupancy rate	64.8	65.2	65.2	65.2	65.2	70.2	68.8	69.6
Average room rate (dol.)	68.29	57.84	29.04	30.89	72.44	69.33	66.14	63.01
Sales per available room (dol.)	21,738	22,865	7,719	7,700	22,045	17,981	25,480	18,947
Payroll and related expenses per available room (dol.)	6,700	(NA)	1,388	1,274	6,378	6,713	9,244	(NA)
Ratio of net income before income tax to sales	-2.6	-4.0	20.6	13.6	(NA)	(NA)	1	1.9
Employees ¹ per 100 available rooms	41.7	(NA)	(NA)	(NA)	58.9	41.8	61.5	79.8
Sales per employee ² (dol.)	48,582	(NA)	(NA)	(NA)	43,134	48,513	44,108	(NA)
Composition of market—(percent):								
Business travelers/government officials	39.2	40.2	58.9	43.4	57.9	69.9	8.9	8.2
Tourists	34.8	32.8	31.8	42.8	26.7	22.8	56.7	59.7
Conference participants	15.2	20.0	4.9	4.1	12.9	11.2	21.9	29.4
Percent advanced reservations	95.5	71.8	44.2	26.1	60.8	81.9	82.2	85.9

NA Not available. ¹ Full-time equivalent employees.

Source: Lavenhol & Horwath, Philadelphia, PA, *U.S. Lodging Industry*, annual; *U.S. All-Suite Lodging Industry*, annual; *U.S. Economy/United-Service Lodging Industry*, annual; and *U.S. Resort Lodging Industry*, annual.

No. 1352. COMPUTER AND DATA PROCESSING SERVICES—RECEIPTS, BY SOURCE: 1977 AND 1982

(In millions of dollars. For establishments with payroll)

RECEIPT SOURCE	TOTAL		COMPUTER PROGRAMMING ¹		DATA PROCESSING				COMPUTER RELATED SERVICES (n.e.c.) ³	
	1977	1982	1977	1982	Total		Excluding facilities management ²		1977	1982
					1977	1982	1977	1982		
Total	7,478	11,519	1,282	5,183	4,474	16,666	3,886	9,486	1,518	5,539
Programming, systems analysis and design: ¹										
Prepackaged	1,884	1,808	1,771	1,515	182	78	185	70	(NA)	14
Custom		4,582		4,175		377		352	(NA)	31
Research and development ⁴	35	99	24	53	10	12	10	11	(NA)	4
Data processing and preparation	3,738	8,831	72	248	3,652	8,371	3,642	8,357	(NA)	11
Facilities management	445	686	25	34	416	657	18	43	(NA)	6
Rental or leasing ⁵ of data processing equipment	452	1,083	13	131	21	90	21	65	(NA)	842
Rental, sales, licensing of integrated systems		3,708		1,501		185		181	(NA)	22
Consulting and planning ⁶	589	713	30	167	55	111	84	68	(NA)	439
Maintenance of equipment		2,155		159		20		18		1,579
Other sources	255	589	57	208	128	196	127	190	(NA)	181

NA Not available. ¹ And related software. ² Operation of customers' in-house operation. ³ Not elsewhere classified. ⁴ Of hardware. ⁵ Except finance leasing. ⁶ Except programming services.

Source: U.S. Bureau of the Census, *Census of Service Industries: 1977*, Subject Series, SC-77-S-8, and *1982 Census of Service Industries*, Miscellaneous Subjects, SC 82-I-8.

No. 1353. SERVICE INDUSTRIES—SUMMARY OF ESTABLISHMENTS WITH PAYROLL, BY STATE: 1962

DIVISION AND STATE	FIRMS SUBJECT TO FEDERAL INCOME TAX										TAX-EXEMPT FIRMS	
	Establishments				Receipts (mil. dol.)				Annual payroll (mil. dol.)	Paid employ- ees ² (1,000)	Estab- lishments	Reve- nue (mil. dol.)
	Total ¹ (1,000)	Busi- ness ser- vices	Per- sonal ser- vices	Auto- motive repair ²	Total ¹	Busi- ness ser- vices	Per- sonal ser- vices	Auto- motive repair ²				
U.S.	1,261.7	215,125	167,746	115,461	526,992	105,995	22,399	35,995	155,625	11,199.1	147,261	61,499
ME:												
ME	5.9	614	661	537	1,204	■	71	120	420	37.9	1,135	■
NH	5.5	653	695	499	1,245	334	66	116	■	36.2	990	210
VT	3.2	376	391	261	662	73	36	43	224	22.2	772	144
MA:												
MA	33.9	6,092	4,661	3,104	13,317	4,071	618	862	5,363	363.3	5,022	2,584
RI	5.4	661	667	544	1,361	310	66	116	514	41.3	611	324
CT	19.6	4,065	2,672	1,577	6,406	1,969	379	437	2,362	170.9	■	627
MA:												
NY	102.9	21,477	13,073	6,214	43,604	14,745	1,946	2,210	15,777	962.8	11,693	6,277
NJ	45.5	8,959	6,254	4,052	16,349	4,619	602	1,096	6,020	401.4	3,544	1,364
PA	55.0	8,255	6,152	5,996	19,063	■	1,036	1,390	7,045	465.9	6,424	3,267
W.C.:												
OH:												
OH	52.1	7,922	6,066	5,039	15,515	3,660	1,096	1,231	6,091	460.8	7,129	2,557
IN	24.4	3,493	3,786	2,577	6,252	1,170	499	622	2,313	187.6	3,622	■
IL	57.6	11,453	7,746	5,030	21,396	6,130	1,306	1,601	6,170	547.7	6,934	3,994
MI	43.7	6,390	5,602	3,867	13,446	3,156	639	1,070	5,312	362.8	5,076	1,696
WI	22.8	3,271	3,645	1,825	5,956	1,077	433	472	2,450	190.3	■	■
W.C.:												
MN	20.0	3,578	2,696	1,706	6,472	1,502	426	482	2,536	196.0	3,576	1,747
IA	14.6	1,671	2,544	1,526	3,364	640	250	299	1,209	105.7	2,865	727
MO	25.6	3,974	4,015	2,659	6,160	2,184	505	730	3,076	225.3	3,072	1,217
ND	3.1	362	599	292	611	106	64	75	310	23.4	719	180
SD	3.5	394	540	357	674	75	53	81	■	21.4	746	154
NE	6.5	1,174	1,439	644	2,229	468	159	210	603	95.3	1,403	409
KS	12.7	1,798	1,933	1,312	3,064	■	235	267	1,140	92.1	2,171	499
S.A.:												
DE	3.2	569	474	299	660	171	60	60	330	27.4	485	153
MD	22.6	4,255	2,999	1,796	6,563	3,107	447	538	■	■	2,580	1,411
DC	6.3	1,571	505	409	4,216	1,156	99	123	1,567	■	2,006	3,199
VA	27.6	5,023	4,172	2,496	9,177	2,862	563	616	■	■	3,145	1,552
WV	7.4	723	1,327	630	1,759	201	146	109	639	60.9	1,241	264
NC	27.1	3,739	4,316	2,746	5,266	1,205	539	586	2,371	198.4	3,076	830
SC	13.9	1,617	2,080	1,367	3,301	460	243	276	■	■	1,363	291
GA	26.2	4,536	3,694	2,625	6,796	■	466	■	■	242.6	2,669	942
FL	66.7	12,026	8,753	5,757	21,542	4,539	1,066	1,736	6,062	600.7	5,466	■
S.C.:												
KY	14.7	1,661	2,410	1,355	3,676	579	■	■	■	111.9	1,662	527
TN	21.4	3,063	3,311	2,099	6,344	1,904	446	606	2,346	177.3	2,463	719
AL	15.9	2,127	2,694	1,691	4,339	777	291	406	1,606	125.6	1,661	422
MS	9.7	1,062	1,480	964	2,172	393	151	167	762	66.2	1,209	296
W.S.C.:												
AR	10.1	1,169	1,536	1,063	2,177	276	161	221	605	■	1,339	296
LA	22.1	3,653	2,344	2,035	7,696	2,075	361	467	■	202.3	1,726	485
OK	16.7	2,716	1,980	1,463	5,097	1,162	305	367	1,794	132.9	1,795	509
TX	65.7	■	10,946	6,461	32,036	6,156	1,754	■	11,442	763.0	7,167	2,394
MI:												
MT	6.0	564	604	463	1,066	112	56	66	345	31.6	977	163
ID	5.1	561	662	464	1,066	169	70	97	366	33.5	626	303
WY	3.6	462	399	302	694	176	39	69	260	22.9	536	64
CO	21.7	4,077	2,415	1,644	7,325	1,660	349	548	2,569	191.1	2,239	620
NM	7.4	1,056	696	721	2,406	649	102	157	663	61.2	954	255
AZ	17.3	3,175	2,132	■	5,070	1,113	262	396	1,661	147.6	1,591	536
UT	7.9	1,290	743	744	2,173	416	104	224	770	59.6	647	191
NV	6.2	1,052	671	462	6,060	590	149	162	2,112	152.3	463	99
Pac.:												
WA	25.4	3,914	3,321	2,146	7,369	1,673	405	547	■	■	3,349	1,106
OR	16.3	2,396	1,657	1,375	3,699	699	223	■	1,430	112.3	2,053	551
CA	170.4	31,469	16,666	14,991	67,063	16,367	2,761	4,536	24,569	■	14,561	7,453
AK	2.6	523	237	164	1,155	246	46	67	434	21.2	■	186
HI	6.1	1,024	663	567	2,660	314	101	249	904	71.1	■	433

¹ Includes other kinds of businesses not shown separately.² Includes services and garages.³ For the pay period including March 12.

Source: U.S. Bureau of the Census, 1962 Census of Service Industries, Geographic Area Series, SC62-A-1 to 52



Section 20

Foreign Commerce and Aid

This section presents data on the flow of goods, services, and capital between the United States and other countries; changes in official reserve assets of the United States; international investments; foreign assistance programs; and import duties.

The Bureau of Economic Analysis publishes current figures on U.S. international transactions and the U.S. international investment position in its monthly *Survey of Current Business*. Figures for earlier periods are presented in *Balance of Payments—Statistical Supplement*, 1983 revised edition, in the periodic *Foreign Grants and Credits by the United States Government*, and in the June issues of the *Survey of Current Business*. Statistics for the foreign aid programs are presented by the Agency for International Development (AID) in its annual *U.S. Overseas Loans and Grants and Assistance from International Organizations*; and by the Department of Agriculture in its *Foreign Agricultural Trade of the United States*.

The principal source of merchandise import and export data is the Bureau of the Census. Current data are presented monthly in Report FT 135, *U.S. General Imports, Schedule A: Commodity by Country*; Report FT 410, *U.S. Exports, Schedule E: Commodity by Country*; and Report FT 990, *Highlights of U.S. Export and Import Trade*. The *Bureau of the Census Catalog* and the *Guide to Foreign Trade Statistics* lists the Bureau's monthly and annual reports in this field. In addition, the International Trade Administration and the Bureau of Economic Analysis present summary as well as selected commodity and country data for U.S. foreign trade in the *Overseas Business Reports* and the *Survey of Current Business*, respectively. The merchandise trade data in the latter source include balance of payments adjustments to the Census data. The Treasury Department's *Monthly Treasury Statement of Receipts and Outlays of the United States Government* contains information on import duties.

International accounts.—The international transactions tables (Nos. 1354-1356) show, for given time periods, the transfer of goods, services, grants, and financial assets and liabilities between the United States and the rest of the world. The international investment position table (No. 1357) presents, for specific dates, the value of U.S. investments abroad and of foreign investments in the United States. The movement of foreign and U.S. capital as presented in the balance of payments is not the only factor affecting the total value of foreign investments. Among the other factors are changes in the valuation of assets or liabilities, including changes in prices of securities, defaults, expropriations, and write-offs.

Direct investment abroad means the ownership or control, directly or indirectly, by one person or 10 percent or more of the voting securities of an incorporated business enterprise or an equivalent interest in an unincorporated business enterprise. Direct investment position is the value of U.S. parents' claims on the equity of, and receivables due from, foreign affiliates, less foreign affiliates' receivables due from their U.S. parents. Income consists of parents' shares in the earnings of their affiliates plus net interest received by parents on intercompany accounts, less withholding taxes on dividends and interest.

Foreign aid.—Foreign assistance is divided into three major categories—grants (military supplies and services and other grants), credits, and other assistance (through net accumulation of foreign currency claims from the sale of agricultural commodities). Grants are transfers for which no payment is expected (other than a limited percentage of the foreign currency "counterpart" funds generated by the grant), or which at most involve an obligation on the part of the receiver to extend aid to the United States or other countries to achieve a common objective. Credits are loan disbursements or transfers under other agreements which give rise to specific obligations to repay, over a period of years, usually with interest. All known returns to the U.S. Government stemming from grants and credits (reverse grants, returns of grants, and payments of principal) are taken into account in net grants and net credits, but no allowance is made for interest or commissions. Other assistance represents the transfer of U.S. farm products in exchange for foreign currencies (plus, since enactment of Public Law 87-128, currency claims from principal and interest collected on

credits extended under the farm products program), less the Government's disbursements of the currencies as grants, credits, or for purchases. The net acquisition of currencies represents net transfers of resources to foreign countries under the agricultural programs, in addition to those classified as grants or credits.

Figures as published in the *Foreign Grants and Credits* series are not identical with figures shown for Government unilateral transfers and capital in the balance of payments, mainly because of differences in treatment of particular items by the two sets of accounts. Such items include contributions to the multilateral construction program of the North Atlantic Treaty Organization, Government investments in certain productive enterprises abroad, Government receipts on funded claims, and net changes in foreign currency holdings resulting from transactions other than those under the farm products program, such as collections of principal and interest and purchases for dollars.

The basic instrument for extending military aid to friendly nations has been the Mutual Defense Assistance Program authorized by the Congress in 1949. Prior to 1952, economic and technical aid was authorized in the Foreign Assistance Act of 1948, the 1950 Act for International Development, and other legislation which set up programs for specific countries. In 1952, those economic, technical, and military aid programs were combined under the Mutual Security Act, which in turn was followed by the Foreign Assistance Act passed in 1961. Appropriations to provide military assistance were also made in the Department of Defense Appropriation Act (rather than the Foreign Assistance Appropriation Act) beginning in 1966 for certain countries in Southeast Asia and in other legislation concerning programs for specific countries (such as Israel). Figures on activity under the Foreign Assistance Act as reported in the *Foreign Grants and Credits* series differ from data published by AID or its immediate predecessors, due largely to differences in reporting, timing, and treatment of particular items.

Exports.—The Bureau of the Census compiles export data primarily from Shipper's Export Declarations required to be filed with customs officials for shipments leaving the United States. They include U.S. exports under mutual security programs and exclude shipments to U.S. Armed Forces for their own use.

The value reported in the export statistics is generally equivalent to a free alongside ship (f.a.s.) value at the U.S. port of export, based on the transaction price, including inland freight, insurance, and other charges incurred in placing the merchandise alongside the carrier at the U.S. port of exportation. This value, as defined, excludes the cost of loading merchandise aboard the exporting carrier and also excludes freight, insurance, and any other charges or transportation and other costs beyond the U.S. port of exportation. The country of destination is defined as the country of ultimate destination or country where the merchandise is to be consumed, further processed, or manufactured, as known to the shipper at the time of exportation. When ultimate destination is not known, the shipment is statistically credited to the last country to which the shipper knows the merchandise will be shipped in the same form as exported.

For certain low-valued shipments, the export statistics since July 1953 include estimates based upon selected samples of such shipments with lower and upper value limits of the sampled shipments varying (Canada excepted) from \$100-\$499 for July 1953-September 1969, \$251-\$499 for October 1969-February 1979, and \$501-\$999, for March 1979-June 1981. For July 1981-December 1984, the statistics for countries other than Canada reflect fully compiled data for shipments valued over \$500. For Canada, the upper value limit was \$1,999 during the period January 1963-December 1984, and lower value limits were raised to \$251 and \$501 in October 1969 and March 1979, respectively. Beginning 1985, data for low-valued exports to all countries are estimated using factors based on the ratios of low-valued shipments to individual country totals. From January, 1985 through December 1986, data are estimated for all shipments valued under \$1,001. Effective January 1987, data are estimated for shipments valued under \$1,501. Shipments valued under \$1,501 represent slightly less than 2.5 percent of the total value of exports.

Beginning January 1978, the Export Classification Schedule was based upon Schedule E, Standard International Trade Classification, Revision 2. This revision affects the comparability of some export statistics.

Imports.—The Bureau of the Census compiles import data from various customs forms required to be filed with customs officials. From 1974-1981, data on import values were presented on three bases: The transaction values f.a.s. (free alongside ship) at the foreign port of export, the c.i.f. (cost, insurance, and freight), and the previously reported customs import value (as appraised by the U.S. Customs Service in accordance with legal requirements of the Tariff Act of 1930, as amended). This latter valuation, primarily used for collection of import duties, frequently did not reflect the actual transaction value. Beginning 1982, import data are based on customs values, i.e., the price paid by the buyer to the seller in accordance with the 1979 Trade Agreement Act amendments to the 1930 Tariff Act. For the c.i.f. imports, the new customs value was substituted for the

arms-length transaction value used for 1981 and earlier years. The f.a.s. transaction values were discontinued as of January 1982. Country of origin is defined as country where the merchandise was grown, mined, or manufactured. If country of origin is unknown, country of shipment is reported.

Imports are classified either as "General Imports" or "Imports for consumption." General Imports are a combination of entries for immediate consumption, entries into customs bonded warehouses, and entries into U.S. Foreign Trade Zones, thus generally reflecting total arrivals of merchandise. Imports for consumption are a combination of entries for immediate consumption, withdrawals from warehouses for consumption, and entries of merchandise into U.S. customs territory from U.S. Foreign Trade Zones, thus generally reflecting the total of the commodities entered into U.S. consumption channels.

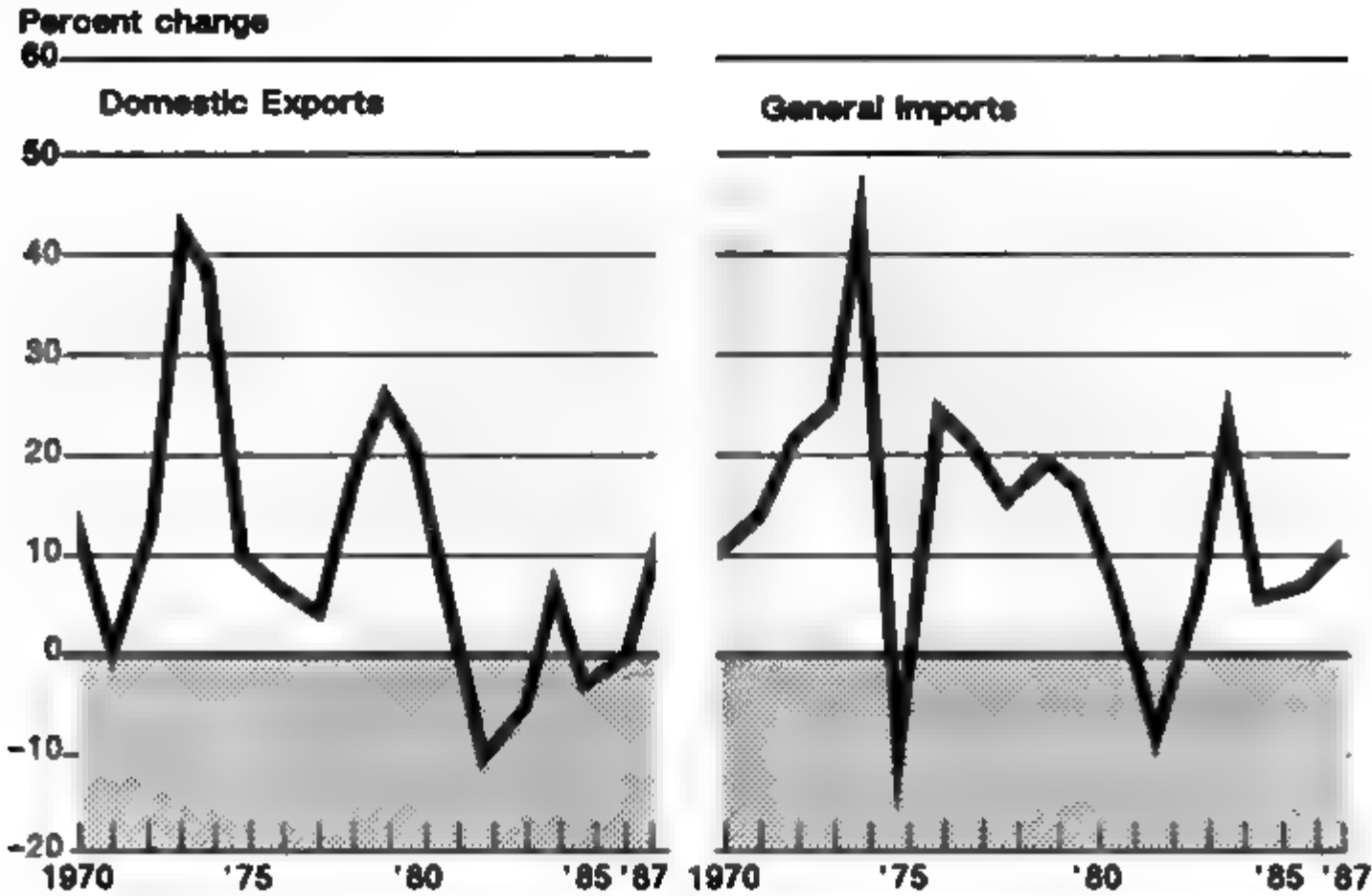
Since July 1953, the import statistics include estimates, not classified by commodity, for certain low-valued shipments. For July 1953-July 1965, entries valued under \$100, in general, were estimated, while entries valued under \$251 have been estimated for the period July 1965-December 1984. Since January 1965, import statistics include estimates for shipments valued under \$1,001. The estimated low-valued shipments generally amount to about 4 percent of the import total.

Area coverage.—Except as noted, the geographic area covered by the export and import trade statistics is the United States Customs area (includes the 50 States, the District of Columbia and Puerto Rico), the U.S. Virgin Islands (effective January 1981), and U.S. Foreign Trade Zones (effective July 1982). Data for selected tables and total values for 1980, have been revised to reflect the U.S. Virgin Islands' trade with foreign countries; where possible.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

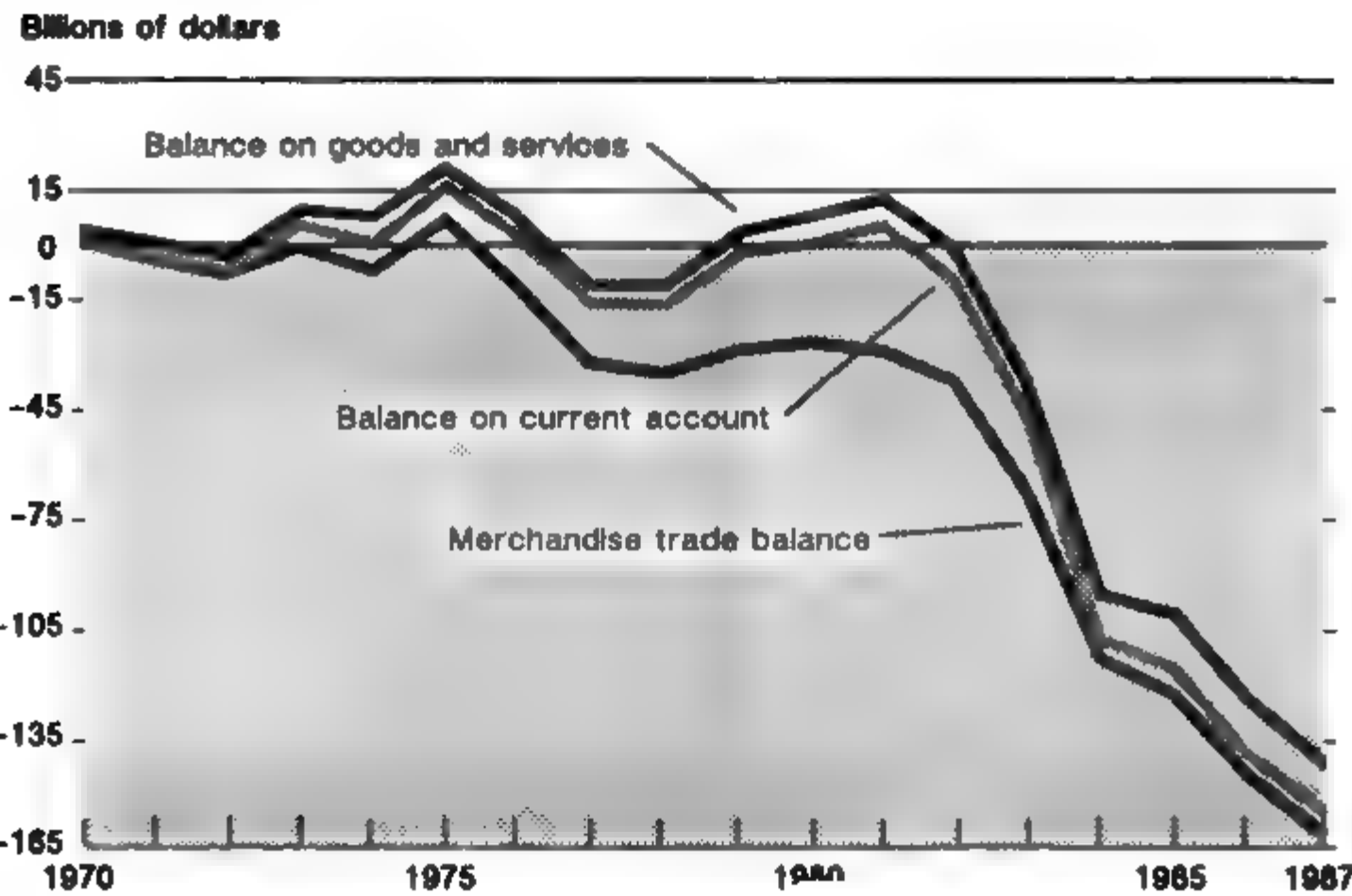
Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

Figure 29.1
U.S Exports and Imports—Annual Percent
Change: 1970 to 1987



Source: Chart prepared by U.S. Bureau of the Census. For data see table 1369.

Figure 29.2
U.S. International Transaction Balances: 1970 to 1987



Source: Chart prepared by U.S. Bureau of the Census.

Table 1364.

No. 1354. U.S. INTERNATIONAL TRANSACTIONS—SUMMARY: 1960 TO 1988

[In billions of dollars. Reserve assets are for end of period. Minus sign (-) indicates debits, see headnote, table 1356]

YEAR	Mer- chandise trade balance ¹	Net invest- ment income	Net military trans- ac- tions	Net travel and trans- porta- tion re- ceipts	Other serv- ices, net	Balance on goods and services	Uni- lateral trans- fers ¹	Balance on current account	Net for- eign as- sets in U.S.	Net U.S. assets abroad	Net U.S. offi- cial re- serve as- sets
1960	4.9	3.4	-2.8	-1.0	.8	5.2	-2.4	2.8	2.3	-4.1	19.4
1961	6.0	5.3	-2.1	1.3	1.5	8.4	-2.9	5.4	7	-5.7	15.5
1962	3.8	5.0	-2.9	-1.3	1.5	6.1	-3.1	3.0	3.7	7.3	14.9
1963	3.8	5.3	-3.2	-1.8	1.7	5.8	-3.3	2.5	7.4	-9.8	14.8
1964	.8	6.0	-3.1	-1.5	1.8	3.7	-3.1	.8	8.9	-11.0	15.7
1965	.8	6.0	-3.3	-1.8	2.0	3.5	-3.1	.4	12.7	-11.6	17.0
1970	2.8	6.2	-3.4	-2.0	2.3	5.8	-3.4	2.3	8.4	-9.3	14.5
1971	-2.3	7.3	-2.9	-2.3	2.8	2.4	-3.9	-1.4	23.0	-12.5	12.2
1972	-6.4	6.2	-3.4	-3.1	3.0	-1.7	-4.1	-5.8	21.5	-14.5	13.2
1973	.9	12.2	-2.1	-3.2	3.4	11.2	-4.1	7.1	18.4	-22.9	14.4
1974	-5.5	15.5	-1.7	-3.2	4.2	9.4	-7.4	2.0	34.2	-34.7	15.9
1975	8.9	12.8	.7	2.8	4.9	23.0	-4.9	18.1	15.7	-39.7	16.2
1976	-9.5	18.0	.8	-2.8	6.0	9.5	-5.3	4.2	36.5	-51.3	16.7
1977	-31.1	18.0	1.8	-3.8	5.7	-9.5	-5.0	-14.5	51.3	-34.8	19.3
1978	-33.9	20.6	.8	-3.6	6.5	-9.9	-5.6	-15.4	64.0	-61.1	18.7
1979	-27.5	31.2	-1.8	-2.9	6.2	5.1	8.1	-1.0	38.8	64.3	19.0
1980	-25.5	30.4	-2.2	-1.0	7.8	9.5	-7.8	1.8	58.1	86.1	28.8
1981	-28.0	34.1	-1.2	1	9.3	14.3	-7.5	6.9	63.0	111.0	30.1
1982	-38.4	28.7	-3	-1.0	9.3	.3	-9.0	-8.7	83.7	-121.2	34.0
1983	67.1	24.9	-2	-4.2	9.9	-38.8	-9.5	-48.2	84.9	-48.8	33.7
1984	112.5	16.5	-2.1	8.6	9.6	95.0	12.1	107.1	102.6	-22.3	34.9
1985	-122.1	25.9	-3.4	-10.0	8.8	-100.1	-15.0	-115.1	129.9	-32.8	43.2
1986	-144.5	23.1	-4.4	-9.3	11.6	-123.5	-15.3	-138.8	221.3	-98.0	46.5
1987	-180.3	20.4	-2.4	-10.3	12.0	-140.5	-13.4	-154.0	211.5	-78.0	45.8
1988, 1st quarter	-35.2	1.2	-1.0	-2.1	3.4	-33.8	-3.1	-36.9	28.1	6.8	43.2
2d quarter	-29.9	-1.7	-9	-1.4	3.5	-30.4	-2.9	-33.3	82.3	-13.3	41.0

¹ Excludes military grants.Source: U.S. Council of Economic Advisers, *Economic Indicators*, monthly; and *Economic Report of the President*, annual. Data from U.S. Bureau of Economic Analysis and U.S. Dept. of the Treasury.

No. 1355. U.S. BALANCES ON INTERNATIONAL TRANSACTIONS, BY AREA AND SELECTED COUNTRY: 1965 TO 1987

[In millions of dollars. Minus sign (-) indicates debits]

AREA OR COUNTRY	1965, BALANCE ON—			1966, BALANCE ON—			1967, BALANCE ON—		
	Mer- chandise trade ¹	Goods and services	Current account	Mer- chandise trade ¹	Goods and services	Current account	Mer- chandise trade ¹	Goods and services	Current account
All areas	-122,148	-106,893	-115,165	-144,847	-123,828	-138,828	-165,280	-140,516	-163,964
Western Europe	-21,438	27,664	26,276	26,400	33,649	34,039	27,457	34,162	-34,112
European Economic Community ²	17,400	22,502	-22,283	-22,149	-26,892	26,427	21,667	26,188	25,623
United Kingdom	3,368	5,361	5,171	3,881	12,365	12,089	3,418	12,490	12,181
Belgium-Luxembourg	1,538	2,658	2,844	1,521	3,752	3,725	1,917	4,008	3,978
France	2,810	-1,878	-1,848	-2,380	-773	853	-2,491	257	337
West Germany	10,586	16,456	15,971	14,052	18,244	17,493	15,404	19,493	-18,561
Italy	-4,798	4,492	4,705	5,599	3,227	-3,463	-5,567	-4,204	4,445
Netherlands	3,130	2,810	2,782	3,151	4,086	4,077	3,252	3,774	3,755
Other Western Europe	4,039	5,151	5,893	8,280	6,957	7,612	5,580	7,974	8,469
Eastern Europe	1,411	1,608	1,402	65	805	446	319	253	94
Canada	15,004	5,322	-5,586	13,020	-2,290	2,567	12,555	65	-361
Latin America, other Western Hemisphere	-15,321	-8,929	-9,723	-11,177	-4,080	-6,738	-12,273	10,319	13,390
Mexico	5,718	-4,131	-4,822	-5,343	-4,900	5,480	5,740	5,833	6,189
Venezuela	-3,458	-2,502	-2,520	-1,709	-1,133	1,151	-2,094	1,351	-1,381
Australia	2,363	3,814	3,573	2,494	3,808	3,582	2,339	4,254	4,206
South Africa ³	725	334	-348	1,327	723	546	176	886	874
Japan ⁴	-43,508	45,140	-45,208	-54,422	56,042	56,108	-56,944	58,476	58,544
Other Asia and Africa	-29,845	-21,604	-31,383	-38,751	-31,881	42,600	-53,419	44,395	53,328
Int'l. and unallocated	192	1,817	677	-	832	23	-	2,083	1,154

- Represents zero. ¹ Adjusted to balance of payments basis, excludes exports under U.S. military sales contracts and imports under direct defense expenditures. ² Includes Denmark, Greece, Ireland, European Atomic Energy Community, European Coal and Steel Community, and European Investment Bank, not shown separately. Beginning in 1966, also includes Spain and Portugal, not shown separately. ³ Includes New Zealand. ⁴ Includes Ryukyu Islands.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, June 1988.

NO. 1358. U.S. INTERNATIONAL TRANSACTIONS BY TYPE OF TRANSACTION: 1970 TO 1967

(In millions of dollars. Minus sign (-) indicates credits. See also Historical Statistics, Colonial Times to 1970, series U 1-25)

TYPE OF TRANSACTION	1970	1976	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Exports of goods and services¹	86,874	155,728	219,864	268,708	342,486	376,469	346,579	394,834	360,772	360,574	375,053	434,823
Merchandise, excl. military ^{2,3}	42,489	107,089	142,054	184,473	224,269	237,005	211,196	201,820	219,900	216,936	223,969	249,570
Foods, feeds, and beverages	5,874	19,234	25,287	30,171	35,993	36,338	31,793	31,754	31,790	24,140	23,129	24,596
Industrial supplies and materials	13,795	29,789	36,820	57,812	71,563	69,743	63,622	58,416	63,295	60,275	64,086	69,115
Capital goods, except automotive	14,058	36,039	46,714	59,183	75,140	82,426	74,345	69,230	74,273	76,519	79,342	88,103
Automotive vehicles and parts ⁴	3,870	10,794	15,522	18,065	17,086	19,264	16,984	16,316	22,147	24,726	24,917	26,200
Consumer goods (nonfood) ⁵	2,798	6,600	10,580	12,666	16,311	18,142	14,538	13,966	13,818	13,134	14,612	17,662
Transfers under U.S. military agency sales contracts	1,501	4,049	7,873	6,516	8,274	10,041	11,985	12,344	9,617	8,736	6,563	11,529
Travel and transportation	6,020	11,576	16,822	20,569	24,797	28,584	27,864	27,147	28,308	29,519	32,085	37,161
Miscellaneous services	3,957	7,896	10,801	11,107	12,641	14,376	14,952	15,972	16,639	17,547	20,296	22,607
Income on U.S. assets abroad	11,747	25,351	42,345	64,132	72,508	66,411	83,549	77,251	65,806	68,537	90,110	103,796
Direct investment	8,189	16,595	25,456	36,183	37,146	32,549	21,391	20,499	21,217	33,202	39,417	52,308
Other private receipts	2,671	7,644	14,944	23,854	32,798	50,182	58,050	51,920	59,454	50,131	45,273	46,116
U.S. Government receipts	907	1,112	1,843	2,295	2,562	3,080	4,118	4,852	5,227	5,504	6,430	8,332
Transfer of goods and services under U.S. military grants, incl.	2,713	2,587	226	466	798	579	886	149	163	46	101	89
Imports of goods and services	-89,901	-132,746	-229,869	-281,669	-333,893	-362,156	-348,382	-371,260	-455,746	-489,667	-488,673	-585,342
Merchandise, incl. military ^{2,3}	-28,866	-84,185	-176,031	-212,006	-248,745	-265,053	-247,842	-266,900	-332,422	-338,053	-368,516	-438,633
Foods, feeds, and beverages	-6,147	-9,842	-15,530	-18,001	-18,548	-16,531	-17,482	-18,571	-21,873	-21,873	-24,345	-24,749
Industrial supplies and materials	-16,343	-50,636	-83,221	-108,464	-132,256	-134,844	-110,822	-108,193	-124,026	-113,678	-104,294	-114,000
Capital goods, except automotive	3,978	10,166	19,366	24,460	31,420	36,912	38,407	43,168	60,480	61,434	72,139	84,707
Automotive vehicles and parts ⁴	5,515	12,085	25,009	26,454	28,068	30,865	34,040	43,216	56,561	65,077	78,110	86,151
Consumer goods (nonfood) ⁵	-7,403	-13,211	-26,389	-31,207	-34,222	-36,302	-38,081	-47,200	-61,155	-66,345	-79,179	-88,676
Direct defense expenditures	-4,855	-4,795	-7,352	-8,294	-10,511	-11,224	-12,200	-12,587	-11,916	-12,189	-12,955	-13,887
Travel and transportation	-8,036	-14,388	-20,495	-23,503	-25,794	-28,440	-28,876	-31,374	-36,912	-39,586	-41,439	-47,442
Miscellaneous services	-1,629	2,813	-4,342	-4,693	-4,846	-5,100	5,632	-6,064	-7,079	-7,947	-8,995	-10,772
Income on foreign assets in U.S.	-5,516	12,564	21,660	-32,980	-42,120	-52,329	-64,883	-52,370	-67,419	-62,901	-66,898	-83,361
Direct investment	-675	-2,234	-4,211	-6,367	-8,635	-8,898	-32,155	-5,598	-9,229	-6,079	-5,379	-10,804
Other private payments	-3,617	-5,788	-8,795	-15,481	-20,863	-28,553	-33,443	-25,953	-36,421	-35,516	-36,002	-48,826
U.S. Government payments	-1,024	-4,542	-8,674	-11,122	-12,862	-18,676	-16,286	-17,825	-19,769	-21,306	-22,809	-24,052
U.S. military grants of goods and services, net	-2,713	-2,587	-226	-466	-798	-579	-886	-149	-163	-46	-101	-89
Unilateral transfers (incl. military grants), net	-2,443	-4,886	6,582	-8,138	-7,262	-7,460	-8,396	-6,468	-12,162	-16,910	-16,366	-15,446
U.S. Government grants	-1,736	-2,894	-3,176	-3,550	-4,731	-4,466	-5,501	-6,288	-8,543	-11,223	-11,738	-10,011
U.S. Govt. pensions, private remittances, other transfers	-1,707	-1,974	-2,376	-2,579	-2,662	-2,994	-3,465	-3,192	-3,656	-3,767	-3,571	-3,434

U.S. assets abroad, net (increase/capital outflow (-)).....	-9,337	-38,703	-61,139	-64,331	-93,118	-110,961	-121,153	-46,777	-22,304	-32,636	-97,991	-75,967
U.S. official reserve assets, net.....	2,481	-849	732	-1,133	-8,155	-5,175	-4,965	-1,196	-3,131	-3,656	312	9,149
U.S. Govt. assets, other than official reserve assets, net.....	-1,569	-3,474	-4,860	-3,748	-5,162	-5,097	-6,131	-5,006	-5,489	-2,829	-2,000	1,162
U.S. credits and other long-term assets.....	-3,283	-5,941	-7,470	-7,697	-9,860	-9,674	-10,063	-9,967	-9,599	-7,666	-9,059	-6,493
Repayments on U.S. credits and other long-term assets ¹	1,721	2,475	2,941	3,928	4,456	4,413	4,292	5,012	4,490	4,719	6,078	7,620
U.S. foreign currency holdings and U.S. short-term assets, net.....	-18	-9	-131	25	242	164	-380	-51	-379	118	982	36
U.S. private assets, net.....	-10,229	-35,360	-57,202	-59,453	-72,802	-100,679	-110,056	-43,576	-13,665	-25,950	-96,303	-86,297
Direct investments abroad.....	-7,560	-14,244	-16,056	-25,222	-19,222	-9,624	2,369	-373	-2,821	-16,066	-27,811	-44,455
Foreign securities.....	-1,078	-6,247	-3,626	-4,726	-3,568	-5,699	-7,963	-6,762	-4,756	-7,481	-4,297	-4,456
U.S. claims on unaffiliated foreigners reported by U.S. nonbanking concerns.....	-598	-1,367	-3,853	-3,291	-3,174	-1,181	6,626	-6,513	5,019	923	-4,220	3,145
U.S. claims reported by U.S. banks, n.i.e. ²	-967	-13,532	-33,667	-26,213	-46,636	-64,175	-111,070	-29,926	-11,127	-1,323	-59,975	-40,531
Foreign assets in the U.S., net (increase/capital inflow (+)).....	6,399	16,670	64,999	36,762	93,112	93,692	93,746	84,999	162,621	129,999	221,263	211,499
Foreign official assets in the U.S., net.....	6,908	7,027	33,678	-13,666	15,497	4,960	3,593	5,845	3,140	-1,196	35,507	44,968
Other foreign assets in the U.S., not.....	-550	8,643	30,356	52,418	42,615	78,072	99,154	79,023	99,481	131,096	185,745	166,522
Direct investments in U.S.	1,464	2,603	7,897	11,877	16,916	25,196	13,792	11,946	25,359	19,022	34,091	41,977
U.S. Treasury securities.....	81	2,590	2,176	4,950	2,645	2,927	7,027	8,696	23,001	20,433	3,809	-7,596
U.S. securities other than U.S. Treasury securities.....	2,199	2,503	2,254	1,351	5,457	6,906	6,096	8,164	12,566	50,962	70,999	42,213
U.S. liabilities to unaffiliated foreigners reported by U.S. nonbanking concerns.....	2,014	319	1,899	1,621	6,852	917	-2,363	-118	4,704	-366	-2,906	2,150
U.S. liabilities reported by U.S. banks, n.i.e. ²	-6,296	626	16,141	32,607	10,743	42,126	65,633	50,342	33,849	41,045	79,763	67,776
Allocations of special drawing rights.....	967	-	-	1,139	1,152	1,069	-	-	-	-	-	-
Statistical discrepancy (sum of above items with sign reversed).....	-219	5,917	12,521	25,431	24,962	19,942	36,065	11,154	26,760	17,839	15,596	18,461
Balance on merchandise trade.....	2,603	8,903	-33,947	-27,536	-25,480	-27,978	-36,444	-67,080	-112,622	-122,146	-144,547	-160,380
Balance on goods and services.....	5,773	22,964	-9,875	5,136	9,466	14,344	278	-36,766	-94,975	-100,096	-123,520	-140,519
Balance on goods, services, and remittances.....	4,067	21,011	-12,251	2,559	8,604	11,350	-3,177	-39,957	-96,533	-103,660	-127,000	-143,953
Balance on current account.....	2,331	16,116	-15,427	-991	1,873	6,864	-8,679	-46,248	-107,077	-115,103	-136,826	-153,964

- Represents zero. ¹ Excludes transfers of goods and services under U.S. military grant programs. ² Excludes exports of goods under U.S. military agency sales contracts identified in Bureau of the Census export documents, excludes imports of goods under direct defense expenditures identified in Census import documents, and reflects various other adjustments (for valuation, coverage, and timing) of Census statistics to a balance of payments basis. ³ Includes other end-use items, not shown separately. ⁴ Includes engines. ⁵ Excludes automotive. ⁶ Includes sales of foreign obligations to foreigners. ⁷ Not included elsewhere. ⁸ Includes foreign currency notes sold to private residents abroad.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, June 1969.

No. 1357. INTERNATIONAL INVESTMENT POSITION, 1960 TO 1987, AND BY SELECTED AREAS, 1987

[In billions of dollars. Estimates for end of year; subject to considerable error due to nature of basic data. Direct investments at book value; other types at market or face values. See *Historical Statistics, Colonial Times to 1970*, series U 25-30, for similar data.]

TYPE OF INVESTMENT	1960	1965	1970	1975	1977	1978	1979	1980	1981
U.S. net international investment position	44.7	61.6	98.5	74.2	72.7	78.1	94.5	108.3	141.1
U.S. assets abroad	65.8	120.4	165.4	235.1	379.1	447.8	510.5	607.1	718.8
U.S. official reserve assets	19.4	15.5	14.5	16.2	19.3	16.8	19.0	26.8	30.1
U.S. Government assets, other	17.0	23.5	32.1	41.8	40.5	54.2	58.4	63.8	68.7
U.S. private assets	49.2	81.4	118.8	237.1	310.2	375.0	433.2	516.5	621.1
Foreign assets in U.S.	40.9	88.8	108.9	220.8	303.4	371.7	416.1	500.8	578.7
Foreign official assets	12.4	16.6	28.1	65.9	140.9	173.1	189.9	176.1	180.4
Other foreign assets	28.5	42.0	80.8	134.0	165.5	198.7	226.3	324.8	398.3

TYPE OF INVESTMENT	1982	1983	1984	1985	1986	1987				
						Total ¹	Western Europe	Canada	Latin America ²	Japan
U.S. net international investment position	136.9	68.4	3.5	-116.7	-288.2	-388.2	-378.2	86.7	22.4	-88.7
U.S. assets abroad	824.9	673.9	696.1	980.3	1,071.4	1,167.8	407.0	147.0	284.5	113.3
U.S. official reserve assets	34.0	33.7	34.9	43.2	48.5	46.8	12.1	(2)	(2)	1.0
U.S. Government assets, other	74.8	79.5	84.8	67.5	88.5	88.4	9.9	.4	18.3	(2)
U.S. credits and other long-term assets	72.9	77.8	62.9	85.8	88.7	67.8	9.8	.4	18.0	(2)
U.S. foreign currency holdings and short-term assets	1.7	1.7	2.0	1.8	.8	.8	(2)	(2)	.3	(2)
U.S. private assets	716.4	760.7	775.3	618.5	933.4	1,033.8	388.0	146.7	276.1	112.3
Direct investments abroad	207.8	207.2	211.5	320.3	358.8	308.8	148.0	58.8	42.3	14.3
Foreign securities	75.5	83.8	99.1	112.8	133.2	148.7	63.3	55.4	1.2	.5
U.S. claims on unaffiliated foreigners ³	28.6	35.1	30.1	29.1	33.3	30.1	12.9	3.7	8.8	1.8
U.S. claims reported by U.S. banks ⁴	404.8	434.5	445.6	447.4	507.3	547.8	139.9	30.8	223.8	86.9
Foreign assets in the U.S.	688.1	784.5	682.5	1,081.0	1,340.7	1,538.0	765.2	88.3	272.0	184.0
Foreign official assets in the U.S.	186.1	184.6	189.3	202.8	241.7	283.1	128.1	5.3	8.8	(2)
U.S. Government securities	132.8	137.0	143.0	143.4	177.3	218.1	(2)	(2)	(2)	(2)
Other U.S. Government liabilities	15.8	14.2	15.0	15.7	17.8	15.0	4.4	.3	.5	1.4
U.S. liabilities reported by U.S. banks ⁵	25.0	25.6	28.1	28.7	27.9	31.8	(2)	(2)	(2)	(2)
Other foreign official assets	17.9	17.7	15.2	16.7	18.8	17.3	(2)	(2)	(2)	(2)
Other foreign assets in the U.S.	488.9	580.0	680.3	888.4	1,088.9	1,252.8	637.1	81.1	283.3	(2)
Direct investments	124.7	137.1	184.8	184.8	220.4	251.9	178.0	21.7	15.3	33.4
U.S. securities ⁶	93.0	113.8	127.3	208.2	308.8	344.4	238.9	32.2	30.1	37.9
U.S. liabilities to unaffiliated foreigners ³	27.5	28.9	31.0	29.5	28.8	28.8	14.0	1.8	1.8	4.7
U.S. liabilities reported by U.S. banks ⁵	228.0	278.3	312.2	354.5	451.8	538.4	(2)	(2)	(2)	(2)
U.S. Treasury securities	25.8	33.8	58.2	53.6	81.5	78.4	(2)	(2)	(2)	(2)

¹ Less than \$50 million. ² Includes holdings of international and regional organizations that were shifted to "other foreign assets" in subsequent periods. ³ Includes other countries, international organizations, or unaffiliated, not shown separately. ⁴ Includes other Western Hemisphere. ⁵ Reported by U.S. nonbanking concerns. ⁶ Not included elsewhere. ⁷ Data included in "Foreign assets in the U.S." ⁸ Data included in "Foreign official assets in the U.S." ⁹ Excludes U.S. Treasury securities. ¹⁰ Data included in "Other foreign assets in the U.S."

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, June 1988, and earlier issues.

No. 1358. U.S. RESERVE ASSETS: 1970 TO 1988

[In billions of dollars. As of end of year, except as indicated]

TYPE	1970	1975	1976	1978	1980	1981	1982	1983	1984	1985	1986	1987	1988, June
Gold stock ¹	14.5	18.2	18.7	19.0	24.8	30.1	34.0	33.7	34.9	43.2	48.5	48.7	41.9
Special drawing rights	11.1	11.6	11.7	11.2	11.2	11.2	11.1	11.1	11.1	11.1	11.1	11.1	11.1
Foreign currencies	9	2.3	1.6	2.7	2.6	4.1	5.3	5.0	5.6	7.3	8.4	10.3	9.2
Reserve position in IMF ²	8	1	4.4	3.8	10.1	8.8	10.2	8.3	8.7	12.8	17.3	13.1	10.8
	1.8	2.2	1.0	1.3	2.9	5.1	7.3	11.3	11.5	11.9	11.7	11.3	10.0

¹ Less than \$50 million. ² Includes gold in Exchange Stabilization Fund; excludes gold held under earmark at Federal Reserve banks for foreign and international accounts. Beginning 1978, gold assets were valued at \$42.22 pursuant to the amending of Section 2 of the Par Value Modification Act, PL-85-110, approved September 21, 1973. ³ International Monetary Fund.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly; and Department of the Treasury, *Treasury Bulletin*, monthly.

No. 1388. FOREIGN DIRECT INVESTMENT POSITION IN THE U.S.—VALUE, BY AREA AND INDUSTRY: 1970 TO 1987

[In millions of dollars. Book value at year end. 1970 covers U.S. firms, including real estate investments in which foreign interest or ownership was 25 percent or more; thereafter, ownership of 10 percent or more. Minus sign (—) indicates a negative position. See also *Historical Statistics, Colonial Times to 1970*, series U 47-74]

AREA AND INDUSTRY	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987, pred.
All areas¹	13,270	27,862	54,482	53,046	106,714	124,877	137,051	154,583	184,515	220,414	251,827
Petroleum	2,892	6,213	9,905	12,200	15,245	17,990	18,208	25,400	28,270	29,094	35,395
Manufacturing	6,140	11,366	20,876	32,993	40,533	44,065	47,665	51,802	58,584	71,963	91,025
Finance and insurance	2,256	3,152	7,575	12,027	14,748	17,933	19,934	24,881	27,429	34,978	47,128
Trade, wholesale and retail	994	4,644	11,562	15,210	20,537	23,604	26,513	31,219	35,673	42,920	37,691
Canada	3,117	6,362	7,184	12,162	12,116	11,706	11,434	15,298	17,131	20,316	21,732
Petroleum	190	586	943	1,617	1,801	1,560	1,391	1,544	1,589	1,432	1,433
Manufacturing	1,836	3,061	3,615	5,227	3,376	3,500	3,313	4,115	4,607	6,106	7,487
Finance and insurance	324	341	505	1,612	1,808	1,801	1,061	3,245	4,006	4,283	3,461
Europe	9,554	18,594	37,403	54,886	72,377	83,193	92,836	108,211	121,413	144,181	177,863
Petroleum	2,777	5,476	6,010	10,137	12,854	15,071	16,326	23,142	25,636	26,139	32,787
Manufacturing	4,091	6,573	13,952	21,953	30,697	33,032	36,886	39,083	45,841	56,016	70,598
Finance and insurance	1,805	2,088	5,529	8,673	10,084	12,601	8,450	15,945	17,022	21,797	25,311
United Kingdom	4,127	5,251	9,798	14,105	16,565	26,447	32,152	36,367	43,555	55,935	74,941
Petroleum	1,220	(D)	199	257	124	5,444	5,955	10,591	12,155	11,758	(D)
Manufacturing	1,391	1,833	3,547	6,159	7,602	8,504	9,221	9,179	11,687	16,500	23,510
Finance and insurance	1,141	952	2,432	3,350	4,569	5,861	3,777	5,495	6,463	10,163	(D)
Netherlands	2,151	5,347	12,672	19,140	26,824	26,191	29,182	33,729	37,056	40,717	47,048
Petroleum	1,311	(D)	6,478	9,265	11,547	6,098	6,546	9,961	11,481	(D)	(D)
Manufacturing	652	1,945	3,492	4,777	9,016	9,601	11,222	12,497	13,951	13,263	16,120
Switzerland	1,545	2,138	3,449	5,070	5,474	6,378	7,454	8,148	10,568	12,058	14,343
Manufacturing	1,147	1,308	2,261	3,116	3,276	3,584	4,165	4,774	6,891	7,520	8,321
Finance and insurance	351	365	596	1,033	1,059	1,473	1,830	(D)	5,425	2,517	(D)
West Germany	580	1,408	5,866	7,586	9,459	9,850	10,845	12,330	14,816	17,250	19,837
Manufacturing	(NA)	984	2,665	3,875	4,199	4,239	4,487	4,369	6,015	7,426	9,002
Finance and insurance	(NA)	(D)	796	1,246	1,399	1,426	1,416	1,802	(D)	1,962	2,824
Other Europe²	1,051	3,360	5,821	8,777	12,005	12,327	13,293	15,820	15,417	18,221	21,694
Petroleum	(NA)	480	1,266	991	1,315	1,380	1,679	2,080	(D)	(D)	(D)
Manufacturing	(NA)	1,293	1,957	4,026	6,800	6,804	7,771	7,704	7,907	11,277	13,645
Finance insurance	(NA)	(D)	583	1,183	546	429	-906	(D)	(D)	(D)	(D)
Japan	229	891	3,493	4,723	7,897	9,577	11,336	16,644	18,313	29,834	33,391
Other areas	379	3,136	8,412	11,472	16,524	20,086	21,386	25,643	26,758	29,091	29,571

D Withheld to avoid disclosure of data of individual companies. NA Not available. ¹ Area totals include industries not shown separately. ² Direct investments in 1987 (in millions of dollars): Belgium and Luxembourg, 2,752; France, 10,185; Italy, 1,230; and Sweden, 4,699.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, August 1988, and earlier issues.

No. 1389. U.S. AFFILIATES OF FOREIGN COMPANIES—ASSETS, SALES, EMPLOYMENT, LAND, EXPORTS, AND IMPORTS: 1985

[A U.S. affiliate is a U.S. business enterprise in which one foreign owner (individual, branch, partnership, association, trust, corporation, or government) has a direct or indirect voting interest of 10 percent or more. Universe estimates based on a sample survey of nonbank affiliates with assets, sales, or net income of \$10 million or more]

INDUSTRY	Total assets (mil. dol.)	Sales ¹ (mil. dol.)	Employ- ment ² (1,000)	Employ- ee compen- sation (mil. dol.)	GROSS BOOK VALUE		Land owned (1,000 acres)	Mer- chandise exports ⁴ (mil. dol.)	Mer- chandise imports ⁴ (mil. dol.)
					Plant and equip- ment ³ (mil. dol.)	Land (mil. dol.)			
Total	528,638	967,338	3,964.5	95,891	517,997	26,179	14,951	99,713	124,476
Mining	12,842	6,596	29.3	1,334	11,372	479	705	922	274
Petroleum	78,838	66,460	122.0	5,069	61,961	3,082	967	1,159	6,621
Manufacturing	180,476	186,740	1,390.8	48,028	112,885	4,317	6,371	12,573	20,791
Chemicals and allied products	70,479	60,802	378.8	13,726	60,280	1,367	1,253	5,354	4,482
Wholesale trade ⁵	66,612	299,278	304.5	9,578	19,980	1,157	365	35,138	33,133
Motor vehicles and auto parts and supplies	23,998	71,381	70.8	2,509	6,684	367	(D)	3,298	42,896
Farm-product raw materials	7,777	30,374	20.1	571	2,160	61	36	17,464	5,616
Retail trade	29,694	48,597	578.8	7,573	14,454	1,393	(D)	356	1,894
Finance, except banking	247,328	30,354	52.8	5,314	3,364	179	(D)	233	(D)
Insurance	87,887	32,073	73.9	2,023	2,867	598	15	-	(D)
Real estate	67,751	11,821	34.7	831	52,739	16,819	2,526	(2)	(D)
Other	31,157	26,345	398.0	-8,256	16,064	2,246	3,512	330	(D)

- Represents zero. D Withheld to avoid disclosure of data of individual companies. Z Less than \$500,000.

¹ Excludes returns, discounts, allowances, and sales and excise taxes. ² Average number of full-time and part-time employees. ³ Includes other property, value of mineral rights owned and capitalized value of mineral rights leased. ⁴ F.o.b. value at port of exportation. ⁵ Includes industries not shown separately.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, May 1986, and *Foreign Direct Investment in the United States, Operations of U.S. Affiliates of Foreign Companies, Preliminary 1985 Estimates*.

No. 1361. U.S. BUSINESSES ACQUIRED OR ESTABLISHED BY FOREIGN DIRECT INVESTORS, BY INDUSTRY OF U.S. BUSINESS ENTERPRISE: 1986 AND 1987

[Foreign direct investment is the ownership or control, directly or indirectly, by one foreign individual branch, partnership, association, trust, corporation, or government of 10 percent or more of the voting securities of a U.S. business enterprise or an equivalent interest in an unincorporated one. Data represent number and full cost of acquisitions of existing U.S. business enterprises, including business segments or operating units of existing U.S. business enterprises and establishments of new enterprises. Investments may be made by the foreign direct investor itself, or indirectly by an existing U.S. affiliate of the foreign direct investor. Covers investments in U.S. business enterprises with assets of over \$1 million, or ownership of 200 acres of U.S. land]

INDUSTRY	1986						1987, prel.					
	Investments			Investors			Investments			Investors		
	Total	Acqui- sition	Estab- lish- ments	Total	For- eign direct inves- tors	U.S. affili- ates	Total	Acqui- sition	Estab- lish- ments	Total	For- eign direct inves- tors	U.S. affili- ates
NUMBER OF INVESTMENTS ¹												
Total.....	1,040	555	485	1,121	470	645	557	306	351	686	279	329
Agriculture and forestry.....	32	5	27	37	29	8	26	4	24	30	23	7
Mining.....	21	19	2	21	-	21	6	3	3	7	3	4
Petroleum.....	30	19	11	30	12	18	14	7	7	14	10	4
Manufacturing.....	324	275	49	345	118	227	189	145	41	214	84	130
Wholesale trade.....	84	63	21	90	27	63	35	25	10	40	16	24
Retail trade.....	29	23	6	31	12	19	21	19	2	21	10	11
Banking.....	15	8	7	16	8	8	8	2	6	8	6	2
Finance, except banking.....	35	11	24	36	13	25	25	11	14	26	16	10
Insurance.....	16	14	2	16	5	11	6	4	2	6	4	2
Real estate.....	309	21	288	337	154	153	134	16	116	144	67	77
Other.....	177	102	75	197	97	100	119	59	50	126	63	65
INVESTMENT OUTLAYS (mil. dol.)												
Total.....	26,177	31,460	7,723	26,177	8,802	30,575	30,543	25,603	4,939	25,043	9,634	21,516
Agriculture and forestry.....	165	61	104	165	82	83	251	130	121	251	(D)	(D)
Mining.....	939	931	7	939	-	939	772	739	33	772	494	276
Petroleum.....	1,035	962	73	1,035	721	314	715	(D)	(D)	715	480	235
Manufacturing.....	16,772	16,082	690	16,772	3,316	13,456	16,270	15,516	752	16,270	3,767	12,483
Wholesale trade.....	1,640	1,583	56	1,640	1,013	627	349	326	24	349	39	250
Retail trade.....	5,249	5,197	52	5,249	265	4,963	662	661	2	662	(D)	(D)
Banking.....	266	(D)	(D)	265	56	230	667	562	106	667	106	562
Financing, except banking.....	1,781	672	1,109	1,781	760	1,021	1,201	961	220	1,201	933	268
Insurance.....	1,666	(D)	(D)	1,666	139	1,530	116	(D)	(D)	116	(D)	(D)
Real estate.....	5,171	372	4,800	5,171	1,440	3,731	2,661	391	2,470	2,661	562	2,296
Other.....	4,635	3,796	837	4,635	891	3,744	6,910	6,067	843	6,910	2,139	4,772

- Represents zero. D Withheld to avoid disclosure of data of individual companies. ¹ Excludes investments that do not meet asset or acreage criteria in headnote.
Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, May 1988.

No. 1362. U.S. BUSINESSES ACQUIRED BY FOREIGN DIRECT INVESTORS—ASSETS, SALES, AND EMPLOYMENT, BY INDUSTRY OF U.S. BUSINESS ENTERPRISE: 1986 AND 1987

[See headnote, table 1361. Minus sign (-) indicates loss]

INDUSTRY	1986					1987, prel.				
	Total assets (mil. dol.)	Sales (mil. dol.)	Net income (mil. dol.)	Employ- ment (1,000)	Acres of land owned (1,000)	Total assets (mil. dol.)	Sales (mil. dol.)	Net income (mil. dol.)	Employ- ment (1,000)	Acres of land owned (1,000)
Total.....	57,694	46,166	1,032	419.0	1,661.3	101,695	36,636	811	361.4	176.6
Agriculture and forestry.....	87	(D)	- 16	.3	430.8	(D)	(D)	(Z)	(D)	(D)
Mining.....	1,412	847	37	6.8	68.5	1,140	(D)	22	1.6	31.3
Petroleum.....	6,635	8,947	146	9.8	18.8	(D)	(D)	(D)	1.3	(D)
Manufacturing.....	18,667	20,861	517	163.9	1,029.8	19,029	18,046	214	175.2	112.0
Wholesale trade.....	2,002	3,751	43	16.0	1.8	400	909	5	4.1	(D)
Retail trade.....	4,723	7,800	210	121.3	1.9	(D)	1,578	12	12.5	(D)
Banking.....	(D)	823	66	3.9	(D)	4,443	376	30	2.5	1.1
Finance, except banking.....	5,590	660	46	1.1	(D)	66,335	6,646	444	40.3	.4
Insurance.....	(D)	1,485	74	6.5	2.2	(D)	93	6	.6	(D)
Real estate.....	626	104	3	2.0	7.9	656	246	9	.8	19.0
Other.....	5,023	3,840	- 109	67.7	4,54.3	5,863	5,666	(D)	92.2	12.0

D Withheld to avoid disclosure of data of individual companies. Z Fewer than 500 or less than \$500,000.
Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, May 1988.

No. 1992. U.S. INVESTMENT POSITION ABROAD, BY COUNTRY: 1980 TO 1987

(In millions of dollars. Direct investments represent private enterprises in one country owned or controlled by investors in another country or in the management of which foreign investors have an important role. Negative position occurs when U.S. parent company's liabilities to the foreign affiliate are greater than its equity in, and loans to the foreign affiliate. See also *Historical Statistics, Colonial Times to 1870*, series U 41-48.)

COUNTRY	1980	1981	1982	1983	1984	1985	1987		
							Total ¹	Manufacturing	Petroleum ²
All countries	216,375	267,369	211,499	239,399	266,893	266,796	266,796	126,840	66,261
Developed countries	188,214	185,726	187,123	172,089	194,991	223,315	194,799		36,946
Canada	45,119	44,399	46,730	48,900	49,904	56,979	25,800	11,931	8,951
Europe ³	89,297	82,178	81,589	105,171	122,165	148,954	67,475	25,785	24,525
Austria	524		830	489	389	387	109	117	23
Belgium	8,299	4,439	4,994	5,039	5,229	7,079	2,499	547	709
Denmark	1,399	1,139	1,144	1,291	1,113	1,114	253	170	93
France	9,347	6,814	6,406	7,649	8,957	11,479	6,374	531	
Greece	347	327	285	210	172	215	94	132	(D)
Ireland	2,319	2,469	2,999	2,999		5,484	4,111	-23	1,399
Italy	5,397	4,491	4,594	5,009	5,995	8,449	6,084	252	449
Luxembourg	952	1,399	424	999		729	199	(D)	299
Netherlands	8,099	6,813	6,939	7,129	11,819	14,184	6,319	3,079	2,432
Norway	1,579	3,094	2,841	3,216	3,629	4,142	91	3,552	(D)
Portugal	297	219	206	237	279	381	193	(D)	(D)
Spain	2,679	2,297	2,139	2,291	2,812	4,097	2,897	124	21
Sweden	1,474	994	944	993	1,002		917	(D)	127
Switzerland	11,299	14,099	14,725	15,799	17,842	19,973	1,729	(D)	7,139
Turkey	207	121	229	234	242	241	52	99	-
United Kingdom	28,499	27,937	26,953	33,024	36,992	44,979	19,299	11,011	9,571
West Germany	15,415	15,315	14,829	16,794	20,949	24,459	15,974	3,319	1,674
Japan	8,225	7,991	7,999	9,235		14,270	7,079		945
Australia, New Zealand, and South Africa	10,993		10,999	10,743	11,299	13,212	4,411	3,454	1,934
Australia	7,954	9,095	8,916	8,772	9,129	10,999	3,499	2,843	1,479
New Zealand	579	999	510	579	513	635	211	(D)	72
South Africa	2,299	1,997	1,440	1,394	1,597	1,599	707	(D)	74
Developing countries	27,161	46,743	24,376	67,310	71,902	71,974	21,991	19,315	13,199
Latin America	36,761	24,133	24,827	28,281	34,789	42,337	15,992	5,771	10,499
South America ³	16,342	16,748	16,714		18,644	19,312	11,094	3,020	1,707
Argentina	2,549	2,702	2,799	2,705	2,919	2,954	1,516		199
Brazil	7,704	9,099	9,237	8,993	9,187	9,955		273	1,193
Chile	939	109	47	99	294	224	-221	99	79
Colombia	1,012	2,123	2,111	2,149	2,093	2,097		1,013	
Ecuador	322	442	371	381	499	497	157	237	(D)
Peru	1,995	2,042	1,902	1,243	1,131	1,102	99	397	(D)
Venezuela	1,999	1,711	1,791	1,599	2,139	2,124	1,091	534	174
Central America	10,193	9,904	9,993	9,959	9,571	10,439	4,953	941	2,997
Mexico	5,999	4,991	4,997	5,099	4,799	4,997	3,999	95	199
Panama	3,170	4,337	4,474	3,999	4,293		279	949	2,399
Other ³	1,097	999	792	911	929	964	319	129	19
Costa Rica	309	199		113	113	141	(NA)	(NA)	(NA)
El Salvador	109	109	94	73	(D)	51	(NA)	(NA)	(NA)
Guatemala	229	214	240	213	191	199	(NA)	(NA)	(NA)
Honduras	299	219	299	171	197	209	(NA)	(NA)	(NA)
Other Western Hemisphere ³	12,229	-4,519	-3,941	999	9,575	12,994	294	1,910	6,192
Bahamas, The	2,712	3,792	3,331	3,795	2,792	2,999	29	792	905
Bermuda	11,045	11,099	13,019	13,119	14,795	16,229		999	17,239
Dominican Republic	319	299	299	212	199	(NA)	(NA)	(NA)	(NA)
Jamaica	407	310	257	122	107	99	109	(D)	(D)
Netherlands Antilles	-4,339	-22,959	-24,994	20,499	-15,917	-13,999	21	(D)	-13,999
Trinidad and Tobago	951	992	997	494			7	311	3
Other Africa ³	3,779	4,123	4,499	4,497	4,313	5,095	309	4,237	57
Egypt	1,099	1,421	1,539	1,929	1,814	1,993	41		(D)
Libya	575	239	349	329	199	252			
Nigeria	19	219	327	44	575	1,297	40	1,120	-
Middle East ³	2,199	4,451	5,025		4,599	4,792	409	2,912	234
Israel	379	999	793	717	999	793	291	(D)	159
Saudi Arabia	1,097	2,199	2,392		1,972	2,995	199	1,079	-17
United Arab Emirates	394	997	991	792	957		20	595	(D)
Bahrain	-19	799	799	440	229	95	(NA)	(NA)	(NA)
Other Asia and Pacific	9,505	13,039	15,045	15,409	16,577	16,991	5,294	6,199	2,394
China: Taiwan	499	913	799	799	970	1,312	999	-14	20
Hong Kong	2,079	3,099	3,299	3,299	3,999		999	492	1,349
India	399	371	329	393	449	499	419	-14	(D)
Indonesia	1,314	2,770	4,093	4,475	4,395	3,929	224	3,291	199
Malaysia	932	1,157	1,101	1,140		1,111	329	704	11
Philippines	1,299	1,331	1,293	1,032	1,135	1,211	992	101	1
Singapore	1,204	1,821	1,992	1,974	2,239	2,521	1,493	579	72
South Korea	575	599	719	743		1,019	399	7	199
Thailand	391	992	1,091	1,074	1,079	1,992	299	957	9
Other	199	429	541	935	525	997	49	254	(D)
People's Rep. of China	-9	109	299	311	213	325	(NA)	(NA)	(NA)
International	3,955	6,721	5,394	9,429	4,995	4,394	(NA)	3,919	(NA)
Annex—OPEC ⁴	9,099	8,440	10,491	10,293	10,999	11,499	1,577		479

- Represents zero. D Suppressed to avoid disclosure of data of individual companies. NA Not available. Z Less than \$999,999. ¹ Includes industries not shown separately. ² Includes insurance. ³ Includes countries not shown separately. ⁴ OPEC—Organization of Petroleum Exporting Countries. Includes Algeria, Ecuador, Gabon, Indonesia, Iraq, Iran, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates, and Venezuela.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, August 1999.

No. 1364. U.S. GOVERNMENT FOREIGN GRANTS AND CREDITS: 1946 TO 1967

[In millions of dollars. "P.L." means Public Law. For explanation of minus sign (-), see heading, table 1365. See also text, section 29, and *Historical Statistics, Colonial Times to 1970*, series U 75-101]

PROGRAM	1946-1955, total	1956-1965, total	1966-1975, total	1976-1985, total	1963	1964	1965	1966	1967
Total, net	51,808	49,722	70,367	104,161	11,814	13,966	14,321	14,863	9,164
Investment in international financial institutions ¹	635	655	2,719	10,432	1,369	1,427	1,302	1,481	1,212
Under assistance programs, net	55,875	49,967	67,447	93,749	10,246	12,539	13,019	13,382	7,972
Developed countries ²	35,150	5,834	616	757	271	96	- 530	815	790
Developing countries ²	15,725	43,233	67,032	92,991	9,975	12,462	13,549	12,567	6,762
Net new military grants	14,200	21,584	30,236	14,958	1,317	2,320	3,130	4,126	3,132
Developed countries ²	8,910	7,831	691	1,369	226	154	123	162	291
Developing countries ²	5,291	13,633	29,545	13,588	1,091	2,166	3,007	3,963	2,871
Gross new grants	14,434	21,805	30,281	14,993	1,321	2,326	3,133	4,129	3,137
Foreign Assistance Act ³	13,427	21,789	30,281	14,983	1,321	2,326	3,133	4,129	3,137
Military supplies and services	12,262	20,892	9,802	2,436	184	158	49	89	59
Military assistance, service funded ⁴	-	-	19,181	-	-	-	-	-	-
Financing of military purchases ⁵	-	-	1,584	10,122	934	2,022	2,984	3,873	2,816
Relocation of facilities in Israel	-	-	-	800	-	-	-	-	-
Other special programs	1,145	1,109	734	1,633	203	145	121	157	263
Other	1,007	96	-	-	-	-	-	-	-
Less: Reverse grants and returns	234	261	45	38	4	6	3	3	5
Other grants, credits, and other assistance (through net accumulation of foreign currency claims)	36,673	27,509	37,412	78,791	8,928	10,259	9,889	9,379	4,940
Developed countries ²	26,240	2,097	75	612	45	- 58	- 653	652	- 1,051
Developing countries ²	10,434	29,600	37,487	79,403	8,884	10,296	10,542	8,724	5,991
Net new economic and technical aid grants ⁶	27,529	17,675	21,748	43,293	5,354	6,519	6,257	7,856	7,195
Developed countries ²	19,424	780	162	463	100	120	84	99	67
Developing countries ²	8,104	16,895	21,929	42,630	5,254	6,399	6,173	7,756	7,128
Gross new grants	28,769	17,993	22,003	43,302	5,354	6,519	6,257	7,908	7,195
Foreign Assistance Act ³	17,711	12,189	12,191	31,528	4,018	5,056	5,506	6,439	5,887
Farm products disposal	-	-	-	-	-	-	-	-	-
Foreign currencies, P.L. 83-480 ⁷	-	2,046	4,234	186	25	8	6	3	8
Famine and other urgent relief	530	2,704	2,862	5,017	582	688	874	973	515
Payment of transportation	-	494	949	1,990	175	231	331	285	211
Food for development loan forgiveness	-	-	-	353	81	40	11	53	37
Supplies to military or trusteeship administration areas	5,528	132	539	1,248	127	141	153	217	173
Peace Corps	-	232	912	979	116	110	120	130	128
Other	5,000	184	321	2,108	221	244	257	289	241
Less: Reverse grants and returns	1,240	318	265	9	-	-	-	52	-
Net new credits ⁸	8,605	7,025	16,954	35,786	3,579	3,713	1,923	1,516	2,320
Developed countries ²	8,627	3,207	310	1,019	54	- 178	- 730	567	- 1,081
Developing countries ²	1,978	10,232	16,644	36,805	3,634	3,890	2,353	950	1,249
New credits	11,958	18,429	37,422	72,196	6,177	7,777	5,914	7,166	4,631
Export-Import Bank Act	4,241	5,287	15,505	22,086	2,599	2,493	1,794	1,253	990
Foreign Assistance Act ³	1,919	6,196	12,053	35,324	4,514	3,945	2,759	2,932	2,516
Country program loans	1,766	5,722	8,362	10,733	988	753	671	596	334
Financing of military purchases	9	247	3,069	24,268	3,536	3,186	2,080	2,307	2,189
Social Progress Trust Fund	-	226	467	142	5	- 4	- 18	- 5	9
Other	145	2	118	162	5	11	13	35	22
P.L. 83-480 ⁷	48	3,639	7,161	8,142	797	909	1,055	991	825
Loans of foreign currency:	-	-	-	-	-	-	-	-	-
To foreign governments	48	3,286	1,843	10	(2)	(2)	(2)	-	2
To private enterprises	-	202	217	16	3	2	-	2	3
Long-term credit sales	-	362	5,101	8,116	794	907	1,055	999	821
P.L. 80-806 ⁹	-	-	2,433	5,559	261	428	300	1,989	500
Other	5,780	137	271	1,074	7	2	6	-	-
Less: Principal collections	3,353	4,404	20,469	36,410	4,597	4,064	4,290	5,649	7,171
Export-Import Bank Act	1,787	4,458	9,262	15,222	1,914	2,169	2,488	2,914	4,295
Foreign Assistance Act ³	39	1,283	3,557	11,234	1,283	1,329	1,239	1,879	2,340
Country program loans	1	944	2,481	4,212	424	436	460	536	474
Financing of military purchases	2	222	852	6,492	817	856	735	1,086	1,836
Social Progress Trust Fund	-	9	198	354	24	24	24	17	16
Other	35	89	25	177	18	14	18	25	14
P.L. 83-480 ⁷	-	180	3,753	2,923	389	330	289	367	275
Loans of foreign currency:	-	-	-	-	-	-	-	-	-
To foreign governments	-	111	2,354	551	44	43	36	37	29
To private enterprises	-	43	175	96	5	4	2	3	1
Long-term credit sales	-	27	1,223	2,278	317	283	248	326	245
Lend-lease, surplus property and grant settlements	675	2,001	1,438	388	20	22	18	20	18
P.L. 80-806 ⁹	-	-	1,763	4,748	84	108	158	569	151
Other	653	501	677	1,997	990	108	100	101	105

See footnotes at end of table.

No. 1364. U.S. GOVERNMENT FOREIGN GRANTS AND CREDITS: 1946 TO 1987—Continued

[In millions of dollars. See headnote, p. 780]

PROGRAM	1946- 1955, total	1956- 1965, total	1966- 1975, total	1976- 1985, total	1986	1987	1988	1989	1990
Other assistance (through net accumulation of foreign currency claims) ¹⁰	541	2,802	-1,290	-287	-5	7	9	4	-15
Developed countries ²	190	330	-203	-56	-1	-1	-7	-3	-27
Developing countries ³	351	2,472	-1,086	-231	-4	8	15	7	12
Currency claims acquired	813	11,498	6,688	1,227	93	79	97	134	92
Sales of farm products	813	11,170	3,013	114	4	1	10	49	49
Second-stage operations ¹¹	-	329	3,875	1,113	69	78	87	84	43
Less: Currencies disbursed	272	8,698	8,177	1,514	98	72	89	129	108
Economic grants and credits to purchasing country	182	6,863	6,238	180	25	5	2	10	15
Other uses	90	1,833	1,940	1,334	73	67	86	119	93

- Represents zero. Z Less than \$500,000. ¹ For details, see table 1365. ² Developed countries include Australia, Canada, Japan, New Zealand, South Africa, all countries listed under "Western Europe" in table 1365, except Portugal, Spain (through 1961), Yugoslavia, and Malta, and all countries listed under "Eastern Europe" in table 1365. Developing countries include all other countries listed in table 1365 (including Spain through 1961). ³ Foreign Assistance Act of 1961 (P.L. 87-195), as amended. Also includes predecessor and related programs. ⁴ Includes military assistance under Dept. of Defense Appropriation Act, 1968 (P.L. 89-394) and later acts. ⁵ Includes funds made available under Public Law 93-199 and subsequent legislation to release Israel from its contractual liability to pay for defense articles and services purchased under other legislation. ⁶ Net new grants are not adjusted for settlements for postwar relief and other grants under agreements, and net new credits exclude prior grants converted into credits, which were as follows: 1946-55, \$1,463 million; 1956-65, \$491 million; 1972, \$994 million. Repayments on these settlements are included in net new credits. ⁷ Agricultural Trade Development and Assistance Act. ⁸ Outstanding credits on Dec. 31, 1987, totaled \$69,975 million representing net credits extended since organization of Export-Import Bank, Feb. 12, 1984, less chargeoffs and net adjustments due to exchange rates (\$2,002 million), and excluding World War I debts. The amount repayable in dollars at U.S. Government option was \$69,362 million; the remainder was repayable in foreign currencies, commodities, or services, at the option of the borrowers. ⁹ Commodity Credit Corporation Charter Act. ¹⁰ Equivalent value of currencies still available to be used, including some funds advanced from foreign governments and after loss by exchange rate fluctuations (\$1,586 million), was \$187 million on Dec. 31, 1987. ¹¹ Includes foreign currencies acquired from triangular trade operations and principal and interest collections on credits, originally extended under P.L. 83-480, which—since enactment of P.L. 87-128—are available for the same purposes as P.L. 83-480 currencies.

Source: U.S. Bureau of Economic Analysis, press releases and unpublished data.

No. 1365. U.S. GOVERNMENT FOREIGN GRANTS AND CREDITS, BY TYPE AND COUNTRY: 1946 TO 1987

[In millions of dollars. See text, section 29. Negative figures (-) occur when the total of grant returns, principal repayments, and/or foreign currencies disbursed by the U.S. Government exceeds new grants and new credits utilized and/or acquisitions of foreign currencies through new sales of farm products. See also *Historical Statistics, Colonial Times to 1970*, series U 75-186]

TYPE AND COUNTRY	1946- 1955, total	1956- 1965, total	1966- 1975, total	1976- 1985, total	1986	1987	1988	1989	1990, prel.
Total, net	51,509	48,723	70,367	104,181	11,614	13,986	14,321	14,963	9,194
Investment in financial institutions	636	655	2,719	18,432	1,399	1,427	1,302	1,491	1,212
African Development Bank	-	-	-	54	18	18	18	15	20
African Development Fund	-	-	-	125	23	57	20	53	45
Asian Development Bank	-	-	110	602	58	80	135	110	95
Inter-American Development Bank	-	300	1,321	2,770	235	353	321	351	189
International Bank for Reconstr. and Development	636	-	13	353	34	27	41	241	232
International Development Association	-	320	1,275	6,417	1,002	892	768	658	546
International Finance Corporation	-	35	-	111	-	-	-	28	7
Under assistance programs	50,875	48,067	67,647	93,749	10,245	12,558	13,019	13,502	7,972
Western Europe	33,067	6,752	1,894	1,336	154	253	-202	-6	-167
Austria	1,001	193	-19	34	(2)	3	10	-9	-9
Belgium and Luxembourg	1,570	305	17	-46	-17	-17	-15	-9	-9
Denmark	568	276	64	-58	-13	-12	-30	-7	-6
Finland	86	-26	-19	21	19	-11	-2	-47	8
France	8,661	-171	-93	-222	6	-17	-47	-26	-13
Iceland	34	33	-8	-12	-1	-1	-1	-2	-2
Ireland	148	-16	-51	7	-7	-4	(z)	2	-2
Italy	3,851	1,435	85	133	-25	-12	-84	-107	-21
Malta	1	3	47	34	-	-	(z)	(z)	(z)
Netherlands	1,716	322	116	-180	-20	-14	-9	-1	-1
Norway	697	362	379	-257	-12	-4	-31	-16	-4
Portugal	246	241	34	1,003	55	129	101	178	9
Spain	258	1,203	807	965	101	222	-85	86	-11
Sweden	107	-20	17	-1	-5	-3	-6	-6	-5
United Kingdom	7,458	105	-546	-964	-119	-134	-121	-202	-347
West Germany	3,681	10	-117	-117	-6	-6	-2	-	-3
Yugoslavia	1,358	1,151	64	174	20	17	18	-21	-41
Other ¹ and unspecified	1,368	1,348	407	1,112	178	116	102	200	290

See footnotes at end of table.

**No. 1365. U.S. GOVERNMENT FOREIGN GRANTS AND CREDITS, BY TYPE AND COUNTRY:
1946 TO 1987—Continued**

[In millions of dollars. See headnote, p. 781]

COUNTRY	1946- 1955, total	1956- 1965, total	1966- 1975, total	1976- 1986, total	1986	1984	1980	1986	1987, prel.
Eastern Europe.....	823	591	229	1,029	54	5	15	1,249	- 189
Czechoslovakia.....	136	-	-	-5	-2	-3	-	-	-
Poland.....	350	555	-75	1,016	74	67	45	1,348	-33
Romania.....	-	-	92	55	5	-18	35	-28	-50
Soviet Union.....	292	-59	214	-44	-21	-36	-66	-98	-86
Other and unspecified.....	45	5	-5	6	-2	-2	3	-6	-
Near East and South Asia.....	4,944	16,828	17,126	50,783	5,286	6,408	7,437	7,924	6,221
Afghanistan.....	31	227	186	56	-2	-4	-21	-3	29
Bangladesh.....	-	-	701	1,670	219	285	175	178	140
Cyprus.....	-	19	20	126	(Z)	1	17	21	17
Egypt.....	41	1,009	271	13,599	2,060	1,926	2,231	2,727	1,606
Greece.....	2,026	1,261	905	362	19	-14	-21	72	304
India.....	370	4,690	3,810	1,016	74	84	42	36	48
Iran.....	314	1,061	914	-847	-306	-	-	-	-
Iraq.....	13	81	-5	5	32	-8	-12	-5	21
Israel.....	390	483	3,760	25,416	2,660	3,084	3,907	4,030	3,111
Jordan.....	26	495	618	1,320	67	-15	-1	7	109
Lebanon.....	15	78	90	233	57	32	34	-12	-6
Nepal.....	3	66	106	177	26	24	26	20	21
Oman.....	-	-	(Z)	79	3	14	-4	12	-33
Pakistan.....	169	3,092	2,046	1,971	348	415	481	347	226
Saudi Arabia.....	12	36	23	-20	-2	-2	-2	-1	-
Sri Lanka.....	(Z)	69	153	512	63	84	90	65	36
Syria.....	1	57	15	262	25	1	(Z)	(Z)	(Z)
Turkey.....	1,295	3,020	2,703	3,760	480	442	479	296	460
Yemen (Sanaa).....	-	40	24	216	37	33	41	36	47
UNRWA ^a	131	274	296	596	71	67	75	67	61
Other and unspecified.....	66	510	559	265	26	22	-3	27	33
Africa.....	147	2,272	3,010	11,073	1,225	1,665	2,654	1,296	1,062
Algeria.....	1	126	263	345	-63	-106	-131	-126	-96
Angola.....	-	-	8	115	-8	-5	36	27	24
Benin.....	-	7	12	44	2	4	5	3	3
Botswana.....	-	(Z)	35	189	18	26	29	20	24
Burkina.....	-	5	40	267	30	40	49	30	22
Burundi.....	-	4	5	62	8	13	9	5	5
Cameroon.....	-	16	50	150	3	20	5	11	12
Cape Verde.....	-	-	1	66	12	6	5	9	7
Chad.....	(Z)	5	20	145	23	24	41	25	35
Ethiopia.....	13	200	267	310	6	30	157	66	2
Ghana.....	(Z)	84	203	152	8	20	18	13	6
Guinea.....	-	69	66	74	2	4	11	16	24
Ivory Coast.....	-	14	57	57	-3	2	12	5	-3
Kenya.....	(Z)	34	78	549	81	69	62	69	46
Lesotho.....	-	(Z)	27	197	26	37	23	23	23
Liberia.....	24	139	66	459	66	107	71	52	23
Libya.....	25	192	8	-	-	-	-	-	-
Madagascar.....	(Z)	7	13	66	10	20	24	21	17
Malawi.....	-	5	30	66	7	10	8	11	16
Mali.....	-	12	56	195	16	32	50	45	34
Mauritania.....	-	1	20	161	22	29	36	19	11
Morocco.....	7	484	413	946	117	313	136	177	84
Mozambique.....	-	-	1	174	11	21	51	64	63
Niger.....	-	5	64	223	18	25	93	36	43
Nigeria.....	(Z)	67	264	267	90	49	151	1	1
Rwanda.....	-	2	13	91	11	19	16	24	16
Senegal.....	-	16	48	381	51	75	51	45	49
Sierra Leone.....	(Z)	22	36	65	11	9	11	12	12

See footnotes at end of table.

**No. 1983. U.S. GOVERNMENT FOREIGN GRANTS AND CREDITS, BY TYPE AND COUNTRY:
1946 TO 1967—Continued**

(In millions of dollars. See headnote, p. 781)

COUNTRY	1946- 1966, total	1946- 1966, total	1946- 1976, total	1976- 1986, total	1968	1969	1970	1971	1972, prel.
Africa—Continued									
Somalia.....	(2)	42	47	562	91	115	117	111	85
Sudan.....	-	86	82	1,368	212	223	443	184	101
Swaziland.....	-	(2)	8	58	11	7	8	9	13
Tanzania.....	2	34	123	299	80	22	21	10	28
Togo.....	-	9	18	60	8	8	9	10	12
Tunisia.....	2	407	376	563	125	119	40	7	-7
Uganda.....	-	12	35	40	4	9	5	4	16
Zaire.....	(2)	258	342	836	44	208	88	104	109
Zambia.....	-	1	35	331	25	53	51	77	33
Zimbabwe.....	-	(2)	(2)	271	82	74	54	22	30
Other and unspecified.....	71	-75	343	780	75	87	130	117	147
Far East and Pacific	9,878	12,199	34,778	6,635	1,199	699	230	-84	-2,096
Australia.....	-9	(2)	276	-12	75	-5	-39	-118	-30
Burma.....	25	134	43	31	3	7	7	7	10
Cambodia.....	28	227	1,771	-	-	-	-	-	-
China, Mainland.....	-	-	-	49	8	20	6	-8	9
Taiwan.....	1,267	2,881	1,523	848	-44	-144	-255	-262	-970
Hong Kong.....	3	35	41	11	-9	-14	-14	11	-8
Indonesia.....	248	501	1,368	1,881	259	224	37	13	-13
Japan and Ryukyu Islands.....	3,267	1,318	-348	-210	-18	-89	-87	-86	-319
Laos.....	37	847	1,968	-	-	-	-	-	-
Malaysia.....	1	30	86	39	81	-8	-11	-15	-12
New Zealand.....	3	2	85	-88	-15	-13	-11	-10	-4
Pacific Islands, Trust Territory of the ¹	28	89	488	1,280	127	143	154	219	188
Philippines.....	1,028	554	728	1,485	239	141	334	449	281
Singapore.....	-	(2)	78	110	-34	58	-53	-184	1
South Korea.....	1,420	4,744	5,436	3,518	449	208	58	-148	-1,717
Thailand.....	192	727	988	733	80	110	88	82	77
Vietnam.....	244	3,586	19,721	-	-	-	-	-	-
Other and unspecified.....	1,868	844	585	400	29	31	28	27	18
Western Hemisphere	1,348	5,181	8,816	9,889	832	2,077	2,143	1,825	2,018
Argentina.....	88	342	34	21	26	18	14	81	27
Bahamas, The.....	(2)	(2)	29	-25	(2)	-	(2)	1	(2)
Bermuda.....	-	-	18	-18	-	-	-	-	-
Bolivia.....	77	268	270	414	82	39	71	110	113
Brazil.....	509	1,400	1,518	369	40	80	388	7	33
Canada.....	-1	4	272	317	87	88	-87	-61	-168
Chile.....	100	740	724	-985	-47	-29	-7	58	24
Colombia.....	43	448	848	286	83	104	83	83	12
Costa Rica.....	18	83	103	887	202	183	213	139	159
Dominican Republic.....	2	184	380	550	38	141	164	236	82
Ecuador.....	32	131	144	153	10	46	50	86	54
El Salvador.....	3	56	93	1,881	329	448	448	376	414
Guatemala.....	23	146	100	289	33	25	82	91	158
Guyana.....	(2)	7	71	36	2	-1	(2)	2	6
Haiti.....	27	75	42	370	42	44	58	87	92
Honduras.....	8	53	113	801	112	210	243	224	206
Jamaica.....	16	3	120	643	114	151	151	121	85
Mexico.....	225	178	305	1,162	-548	97	-40	-29	540
Nicaragua.....	8	87	180	187	3	1	-2	(2)	(2)
Panama.....	10	103	210	205	15	54	43	24	10
Paraguay.....	4	67	88	22	3	(2)	1	(2)	(2)
Peru.....	85	304	274	757	88	212	181	98	82
Trinidad and Tobago.....	-	35	21	151	-19	19	-21	-32	-34
Uruguay.....	8	90	118	-9	-5	-3	-4	11	-3
Venezuela.....	6	155	115	-35	5	-37	30	31	-38
Central American Bank for Economic Integration.....	-	6	121	38	3	-4	-4	-5	-4
Caribbean Development Bank.....	-	-	8	108	14	1	1	1	-1
Other ² and unspecified.....	-8	216	488	1,236	151	173	198	188	197
Other international organizations and unspecified areas	988	1,326	4,018	9,739	820	1,304	1,404	1,378	1,866

- Represents zero Z Less than \$500,000 ¹ Includes European Atomic Energy Community, European Coal and Steel Community, European Payments Union, European Productivity Agency, North Atlantic Treaty Organization, and Organization for European Economic Cooperation. ² United Nations Relief and Works Agency for Palestine refugees. ³ Excludes transactions after October 1986, with Commonwealth of the Northern Mariana Islands; includes transactions with Federated States of Micronesia, Republic of the Marshall Islands, and Republic of Palau. ⁴ Includes Andean Development Corporation, Eastern Caribbean Central Bank, Inter-American Institute of Agricultural Sciences, Organization of American States, and Pan American Health Organization.

Source: U.S. Bureau of Economic Analysis, press releases and unpublished data.

No. 1360. U.S. FOREIGN ECONOMIC AND MILITARY AID PROGRAMS: 1946 TO 1987

[In millions of dollars. For years ending June 30 except, beginning 1977, ending Sept. 30. Economic aid shown here represents total U.S. economic aid—not just aid under Foreign Assistance Act. Major components in recent years include AID, Food for Peace, Peace Corps, and paid-in subscriptions to international financial institutions, such as IBRD, and IDB. Cumulative totals for 1946-1987 are true totals net of deobligation; annual figures however, are gross unadjusted program figures. Military aid includes Military Assistance Program (MAP) grants, foreign military credit sales, service-funded programs, and excess defense articles]

PERIOD OR YEAR AND REGION	Total economic and military aid	ECONOMIC AID			MILITARY AID		
		Total	Loans	Grants	Total	Loans	Grants
1946-1987, total	330,527	208,795	57,144	149,651	126,732	38,615	87,117
1946-1952.....	41,861	31,116	8,518	22,598	10,545	-	10,545
1953-1961.....	43,358	24,063	5,850	18,293	19,305	161	19,144
1962-1969.....	50,254	33,392	15,421	17,972	16,862	1,620	15,242
1970-1979.....	65,714	25,902	6,935	18,967	38,812	14,179	24,633
1980-1986.....	96,368	83,081	10,841	52,140	33,287	19,759	13,529
1980-1987.....	111,580	73,261	12,184	61,967	38,389	20,711	17,678
1970.....	6,569	3,676	1,399	2,268	2,992	70	2,822
1971.....	7,836	3,442	1,299	2,143	4,386	743	3,653
1972.....	9,021	3,940	1,639	2,301	5,085	590	4,530
1973.....	9,472	4,117	1,391	2,726	5,358	550	4,805
1974.....	8,510	3,306	1,150	2,755	4,604	1,358	3,208
1975.....	6,916	4,905	1,679	3,229	2,009	780	1,286
1976.....	6,412	3,878	1,759	2,119	2,535	1,442	1,083
1976, TQ ¹	2,803	1,931	640	1,091	672	494	178
1977.....	7,784	5,594	2,053	3,511	2,190	1,411	779
1978.....	9,014	6,061	2,530	4,131	2,353	1,601	752
1979.....	13,845	7,120	1,900	5,220	6,725	5,173	1,552
1980.....	9,686	7,573	1,993	5,580	2,122	1,480	672
1981.....	10,550	7,305	1,480	5,045	3,245	2,546	989
1982.....	12,324	8,129	1,484	6,675	4,195	3,084	1,111
1983.....	14,202	8,603	1,819	6,964	5,599	3,832	1,667
1984.....	15,524	9,039	1,621	7,417	6,486	4,401	2,085
1985.....	18,126	12,327	1,579	10,749	5,801	2,385	3,436
1986.....	16,739	10,980	1,330	9,570	5,639	1,580	3,859
1987.....	14,456	9,635	1,135	8,345	5,192	980	4,149
Near East and South Asia.....	7,005	3,369	517	2,782	4,299	633	3,485
East Asia.....	709	539	63	476	171	-	171
Europe.....	259	106	-	106	191	106	36
Latin America.....	1,912	1,897	265	1,412	215	-	215
Africa.....	1,233	1,095	273	822	139	15	124
Oceania and other.....	18	16	2	14	-	-	-
Non-regional.....	2,712	2,824	-	2,624	68	-	68

- Represents zero. ¹ Transition quarter, July-Sept.
Source: U.S. Agency for International Development, *U.S. Overseas Loans and Grants and Assistance from International Organizations*, annual.

No. 1367. U.S. FOREIGN MILITARY AID, BY REGION AND SELECTED COUNTRIES: 1983 TO 1987

[In millions of dollars. For years ending Sept. 30. Military aid data include Military Assistance Program (MAP) grants, foreign military credit sales, international Military Education and Training, and excess defense articles]

REGION AND COUNTRY	1983	1984	1985	1986	1987	REGION AND COUNTRY	1983	1984	1985	1986	1987
Total.....	5,286	6,486	5,801	5,286	5,162	East Asia.....	367	443	416	391	171
Near East and South Asia.....	4,194	4,765	4,248	4,427	4,939	Indonesia.....	27	47	34	21	12
Egypt.....	1,327	1,367	1,177	1,246	1,302	Malaysia.....	5	11	5	2	1
Greece.....	281	501	501	432	344	Philippines.....	51	52	42	106	103
Israel.....	1,700	1,700	1,400	1,723	1,800	South Korea.....	157	232	232	168	2
Jordan.....	53	117	92	83	42	Thailand.....	86	101	102	35	52
Lebanon.....	102	16	1	1	1	Africa ¹	308	635	379	356	139
Oman.....	30	40	40	9	(Z)	Botswana.....	5	9	9	4	2
Pakistan.....	261	301	326	312	314	Cameroon.....	3	5	5	(Z)	1
Turkey.....	403	718	704	619	494	Djibouti.....	2	2	3	2	1
Yemen.....	7	5	6	3	2	Gabon.....	2	3	(Z)	(Z)	(Z)
Latin America ¹	164	369	369	238	215	Kenya.....	22	24	22	21	12
Colombia.....	1	25	1	4	5	Liberia.....	13	13	13	6	1
Costa Rica.....	5	9	11	3	2	Morocco.....	101	70	50	38	49
Dominican Rep.....	7	6	9	5	3	Niger.....	3	2	5	4	2
Ecuador.....	5	7	7	5	5	Somalia.....	31	33	34	20	8
El Salvador.....	81	197	136	122	112	Sudan.....	44	47	48	17	6
Haiti.....	1	1	1	2	1	Tunisia.....	102	112	67	68	34
Honduras.....	46	77	67	61	61	Zaire.....	10	8	8	8	6
Jamaica.....	4	4	8	8	3	Europe.....	514	511	531	485	191
Panama.....	6	14	11	8	4	Portugal.....	111	109	135	112	83
Peru.....	5	11	9	1	(Z)	Spain.....	403	403	403	308	109
						Non-regional.....	53	72	53	91	88

Z Less than \$500,000. ¹ Includes amounts not shown separately.
Source: U.S. Agency for International Development, *U.S. Overseas Loans and Grants and Assistance from International Organizations*, annual.

**No. 1980. U.S. FOREIGN AID—COMMITMENTS FOR ECONOMIC ASSISTANCE, BY REGION AND
SELECTED COUNTRIES: 1983 TO 1987**

[In millions of dollars. For years ending Sept. 30. Falls under economic portion of the Foreign Assistance Act. Data cover commitments for economic and technical assistance by AID. See text, section 28]

REGION AND COUNTRY	1983	1984	1985	1986	1987	REGION AND COUNTRY	1983	1984	1985	1986	1987
Economic assistance	5,244	5,984	6,132	7,446	6,385	Latin America¹—					
Near East and South Asia¹	2,488	2,474	2,687	3,728	2,783	Con.					
Bangladesh	78	77	76	72	80	Paraguay	-	(2)	1	1	1
Cyprus	15	15	15	14	15	Peru	35	119	36	26	21
Egypt	790	953	1,065	1,069	620	ROCAP ²	19	16	107	63	58
Israel	785	910	1,060	1,898	1,200	Regional	37	23	30	30	29
Jordan	20	20	100	85	111	Africa¹	636	728	900	798	628
Lebanon	52	28	20	18	13	Botswana	10	11	10	14	8
Nepal	14	14	16	17	16	Burkina Faso	(2)	(2)	8	15	8
Oman	15	15	20	20	15	Burundi	6	4	4	3	2
Pakistan	200	225	250	263	278	Cameroon	19	23	24	25	31
Sri Lanka	51	45	35	25	28	Cape Verde	2	2	3	3	2
Turkey	285	138	175	120	102	Chad	2	11	16	18	11
Yemen (Sanaa)	28	27	28	25	25	Congo	1	1	1	1	1
Regional	17	18	23	-	-	Djibouti	2	3	4	3	2
East Asia	218	238	313	318	448	Equatorial Guinea	1	1	1	1	1
Burma	14	12	15	10	7	Gambia, The	4	4	8	5	9
Indonesia	72	75	72	95	88	Ghana	-	(2)	2	4	3
Philippines	87	84	183	351	253	Guinea	2	2	4	13	2
Thailand	23	26	36	31	27	Guinea-Bissau	2	2	4	2	1
East Asia Regional	21	23	7	58	85	Kenya	81	53	40	43	37
Europe	46	82	94	142	186	Lesotho	12	10	11	10	13
Italy	13	10	2	-	(2)	Liberia	45	48	80	45	27
Portugal	20	40	80	77	86	Malawi	7	8	25	35	13
Spain	12	12	12	12	5	Mali	10	12	32	13	12
Latin America¹	842	912	1,388	1,126	1,310	Mauritania	5	5	11	4	4
Belize	17	4	23	10	13	Mauritius	2	4	7	2	3
Bolivia	11	52	18	38	29	Morocco	11	28	38	37	28
Costa Rica	184	148	188	138	181	Niger	21	28	28	24	27
Dominican Rep.	35	64	128	87	30	Rwanda	5	8	19	7	8
Ecuador	22	23	33	50	37	Senegal	19	35	44	50	36
El Salvador	188	181	378	288	414	Seychelles	2	2	2	2	3
Grenada	-	48	11	-	-	Sierra Leone	1	1	(2)	(2)	1
Guatemala	22	5	78	90	154	Somalia	48	51	51	48	38
Guyana	(2)	-	-	-	-	Sudan	115	148	148	71	21
Haiti	27	28	31	47	75	Swaziland	8	8	8	11	8
Honduras	87	71	205	112	175	Tanzania	-	1	(2)	(2)	58
Jamaica	82	88	115	85	44	Togo	3	4	4	11	5
Nicaragua	-	-	-	-	-	Turkmenistan	5	2	23	23	18
Panama	8	11	74	33	12	Uganda	8	8	8	15	7
						Zaire	15	28	36	48	33
						Zambia	18	21	42	20	17
						Zimbabwe	80	41	41	13	8
						Regional	58	50	98	65	52
						Non-regional	1,188	1,278	1,483	1,188	1,118

- Represents zero. Z Less than \$500,000. ¹ Includes countries not shown separately. ² Regional programs covering Costa Rica, El Salvador, Guatemala, Honduras, Nicaragua, and Panama.

Source: U.S. Agency for International Development, *U.S. Overseas Loans and Grants and Assistance from International Organizations*, annual; and unpublished data.

No. 1360. U.S. EXPORTS AND IMPORTS OF MERCHANDISE: 1960 TO 1987

[In billions of dollars, except percent. Includes silver ore and bullion; beginning 1974, includes shipments of nonmonetary gold. Data may differ from those shown in tables 1345, 1346, and 1360, due to revisions and inclusion of the Virgin Islands since 1974. For basis of dollar values, see text, section 28. See also *Historical Statistics, Colonial Times to 1970*, series U 190-195 and U 207-212.]

YEAR	Mer- chandise trade balance	EXPORTS ¹					GENERAL IMPORTS ⁴				AVERAGE ANNUAL PERCENT CHANGE ⁵	
		Total ²	Domestic				Total ³	Petro- leum	Ma- chinery	Trans- port equip- ment	Do- mestic im- ports	Gen- eral im- ports
			Total ²	Agri- cultural	Ma- chinery	Trans- port equip- ment						
1960	4.8	18.6	19.4	(NA)	(NA)	(NA)	15.0	(NA)	(NA)	(NA)	19.8	1
1961	5.3	20.7	20.3	(NA)	(NA)	(NA)	21.4	(NA)	(NA)	(NA)	4.0	4.3
1962	3.8	29.4	28.9	6.8	7.4	3.9	25.5	2.1	2.8	2.2	9.9	19.2
1963	4.1	30.8	30.8	6.4	8.0	4.5	28.8	2.2	3.0	2.8	5.9	5.1
1964	.8	34.1	33.6	6.2	6.6	5.9	33.2	2.3	3.7	4.3	9.8	8.4
1965	1.3	37.3	36.8	5.9	8.9	6.5	36.0	2.6	4.5	5.3	8.5	11.1
1966	2.7	42.7	42.0	7.2	11.4	6.5	40.0	2.8	5.3	5.8	14.1	10.8
1967	-2.0	43.5	42.9	7.7	11.6	7.9	45.6	3.3	6.0	7.9	2.1	14.0
1968	-6.4	49.2	48.4	9.4	13.2	8.3	55.8	4.3	7.8	8.8	12.8	21.9
1969	1.3	70.6	69.7	17.7	17.1	10.7	69.5	7.9	10.0	11.1	44.0	25.0
1970	-4.5	98.1	98.5	22.0	22.7	14.5	102.8	24.3	11.8	12.5	38.5	47.8
1971	8.1	107.7	108.1	21.9	28.5	17.2	98.5	24.8	12.0	12.2	9.9	-4.0
1972	-6.3	115.2	113.5	23.0	31.3	18.2	123.5	31.8	15.2	14.8	7.0	25.4
1973	-29.2	121.2	118.9	23.7	32.5	16.5	150.4	41.5	17.7	17.5	4.8	21.8
1974	-31.1	143.7	141.0	28.4	37.0	22.3	174.8	38.1	24.4	23.2	18.8	16.2
1975	-27.6	181.9	178.6	34.8	44.7	25.8	209.5	58.0	26.0	25.5	28.7	19.9
1976	-24.2	220.6	218.8	41.3	55.8	28.8	244.9	77.6	31.9	28.5	21.2	18.9
1977	-27.3	233.7	228.9	43.3	62.9	32.8	281.0	78.5	38.2	31.4	5.7	6.8
1978	-31.8	212.3	207.1	38.6	60.3	23.8	244.0	58.4	38.7	33.8	-5.5	-5.5
1979	-57.5	200.5	186.0	38.1	54.3	26.3	256.0	52.3	47.0	38.2	-5.4	5.7
1980	107.9	217.9	212.1	37.8	60.3	29.7	325.7	85.9	60.4	60.8	8.2	25.2
1981	-132.1	213.1	205.9	29.2	58.5	34.8	345.3	48.8	75.3	62.0	-2.5	9.0
1982	-152.7	217.3	208.4	28.1	60.4	34.9	370.0	34.1	87.5	74.0	-2	5.8
1983	-152.1	254.1	243.9	26.6	69.6	39.0	408.2	41.5	99.4	78.4	11.8	11.2

NA. Not available. ¹ Includes "Special Category" items and beginning 1974, includes trade of Virgin Islands with foreign countries. F.a.s. value basis. ² Domestic and foreign exports excluding M.A.P. Grant-Aid shipments, through 1985; 1986 and 1987 include Grant-Aid shipments. ³ Includes commodity groups not shown separately. ⁴ 1980-1973, 1982-1987, customs value basis; 1974-1981, f.a.s. value basis. Beginning 1974, includes trade of Virgin Islands with foreign countries. ⁵ 1980, change from 1959; thereafter, from previous year. For explanation of average annual percent change, see Guide to Table Presentation.

Source: U.S. Bureau of the Census, *Highlights of U.S. Export and Import Trade*, FT 900, monthly.

No. 1370. U.S. EXPORTS AND GENERAL IMPORTS, BY STATE OF ORIGIN AND DESTINATION: 1987

[In millions of dollars. Exports, f.a.s. value basis; general imports, c.i.f. value basis.]

STATE	EXPORTS			GENERAL IMPORTS			STATE	EXPORTS			GENERAL IMPORTS		
	Total	Per- cent	Rank	Total	Per- cent	Rank		Total	Per- cent	Rank	Total	Per- cent	Rank
Total	252,946	100.0	(X)	424,062	100.0	(X)	MO	1,629	7	25	3,280	■	17
U.S.	189,153	74.8	(X)	350,946	82.8	(X)	MT	239	1	45	346	.1	42
AL	1,850	7	23	1,032	2	34	NE	559	2	36	345	1	43
AK	1,269	5	30	280	1	44	NV	309	.1	44	1,201	3	39
AZ	2,526	1.0	20	2,808	6	20	NH	710	.3	36	586	1	40
AR	519	.2	40	1,002	2	35	NJ	5,024	2.0	12	38,243	9.0	3
CA	27,487	10.8	1	69,413	16.4	1	NM	132	1	48	55	(Z)	48
CO	1,422	.6	28	2,024	5	27	NY	14,873	5.9	9	59,631	14.1	2
CT	2,616	1.0	■	7,736	1.8	11	NC	4,488	1.8	14	4,705	1.1	13
DE	611	.2	37	1,551	4	31	ND	232	1	46	149	(Z)	45
DC	125	(Z)	(X)	816	2	(X)	OH	7,572	3.0	8	8,952	2.1	8
FL	7,624	3.0	7	9,212	2.2	10	OK	642	3	34	1,595	4	30
GA	3,009	1.2	18	4,623	1.1	15	OR	2,289	9	21	1,647	4	28
HI	152	.1	47	802	2	37	PA	4,642	1.8	13	9,785	2.3	9
IL	423	.2	42	121	(Z)	46	RI	393	.2	43	1,239	3	32
IN	3,185	1.3	16	3,302	.8	18	SC	1,729	7	26	2,486	6	22
IA	1,395	.5	29	415	1	41	SD	50	(Z)	48	44	(Z)	46
KS	1,171	.5	31	2,058	5	25	TN	1,902	.8	22	2,519	6	21
KY	1,833	.7	24	2,445	6	23	TX	19,705	7.8	2	23,910	5.6	5
LA	9,775	3.9	6	1,851	4	29	UT	659	3	38	795	.2	38
ME	500	.2	41	783	2	39	VT	562	.2	38	599	.2	38
MD	1,467	.6	27	2,277	.5	25	VA	5,642	2.2	11	■	1.1	14
MA	6,967	2.8	9	10,585	2.5	7	WA	10,591	4.2	5	12	1.2	12
MI	12,986	5.1	4	25,821	6.1	4	WV	1,020	.4	32	80	(Z)	47
MN	3,321	1.3	16	2,826	7	19	WI	3,077	1.2	17	2,304	5	24
MS	973	.4	33	3,055	7	18	WY	6	(Z)	50	1	(Z)	50
							PR	1,878	7	(X)	3,474	8	(X)
							VI	68	(Z)	(X)	1,380	3	(X)
							Other ¹	61,767	24.4	(X)	68,305	16.1	(X)

X. Not applicable. Z. Less than .05 percent. ¹ Includes unreported, not specified, special category, estimated shipments, foreign trade zones, non-United States, and exports to Canada.

Source: U.S. Bureau of the Census, *Highlights of U.S. Export and Import Trade*, FT 920, monthly.

Exports and Imports of Leading Commodities

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No. 1871. U.S. DOMESTIC EXPORTS AND GENERAL IMPORTS OF SELECTED COMMODITIES—VALUE, BY AREA: 1987

[In millions of dollars. Includes nonmonetary gold. Exports are f.a.s. (free alongside ship) transaction value basis; imports are customs value basis]

SELECTED COMMODITIES	Total ¹	WESTERN HEMISPHERE		WESTERN EUROPE			ASIA			OPEC ²
		Canada	Mexico	United Kingdom	West Germany	France	Japan	China: Taiwan	South Korea	
Domestic exports, total	343,888	57,480	14,088	13,343	11,108	7,882	27,341	7,348	7,820	10,872
Agricultural commodities	26,836	1,807	(NA)	684	1,284	(NA)	5,894	(NA)	(NA)	(NA)
Nonagricultural commodities	215,223	55,672	(NA)	12,659	9,824	(NA)	21,446	(NA)	(NA)	(NA)
Food and live animals	19,179	1,580	686	436	585	396	4,891	558	684	1,746
Meat and meat preparations	1,788	138	88	38	8	88	888	12	2	95
Grain and cereal preparations	8,058	115	388	88	12	13	1,888	384	571	1,118
Wheat and wheat flour	3,248	1	17	20	17	1	353	104	213	453
Corn	3,314	28	284	8	8	8	1,038	251	388	142
Beverages and tobacco	3,867	58	5	80	207	28	888	147	8	258
Crude materials, excluding fuels	20,418	1,872	1,087	888	1,101	488	4,884	1,228	2,057	552
Soybeans	4,343	41	220	73	288	88	788	380	232	81
Logs and lumber	3,008	300	57	57	82	12	88	95	174	22
Metal ores and scrap	3,018	488	144	178	110	48	877	173	281	34
Mineral fuels and related materials	7,713	1,380	510	154	83	188	297	318	321	182
Bituminous coal	3,310	842	8	114	20	184	484	180	148	40
Chemicals and related products	26,381	3,278	1,438	1,072	1,182	785	3,422	1,138	988	1,317
Manufactured goods	17,138	4,821	1,508	887	847	310	1,788	288	455	788
Textile yarn, fabric, articles	2,883	887	248	178	88	58	188	42	55	230
Iron and steel mill products	1,223	454	183	44	38	15	47	28	18	35
Machinery	88,887	13,287	5,372	5,558	4,117	3,340	4,784	2,088	2,057	3,080
Power generating	10,183	2,800	821	783	480	1,052	547	188	113	483
Agricultural ³	1,483	671	80	82	44	88	41	8	4	108
General industrial	8,158	2,238	788	471	338	217	381	173	232	735
Office machinery and computers	18,882	2,838	508	2,281	1,885	1,077	1,707	378	332	314
Telecommunications ⁴	5,885	828	842	384	174	88	408	278	172	237
Electrical ⁵	18,837	2,814	2,181	1,031	828	524	1,228	838	780	314
Transport equipment	38,858	15,841	1,557	1,883	1,378	874	2,883	308	437	1,543
Automobile, motor vehicles ⁶	20,879	14,834	1,250	234	380	273	328	140	118	1,022
Aircraft and parts	18,804	885	147	1,678	888	380	1,883	118	301	488
Professional, scientific, and controlling instruments	7,388	872	387	830	583	418	807	180	207	238
General imports, total	408,801	71,888	28,371	17,341	27,888	18,738	84,878	24,822	18,887	23,888
Agricultural commodities	20,887	2,225	(NA)	177	588	(NA)	218	(NA)	(NA)	(NA)
Nonagricultural commodities	288,214	68,881	(NA)	17,164	26,474	(NA)	84,358	(NA)	(NA)	(NA)
Food and live animals	20,547	3,088	2,072	188	341	157	391	518	280	1,212
Meat and meat preparations	2,788	821	1	1	7	6	1	1	1	1
Fish, including shellfish	5,580	1,241	477	44	3	25	224	352	238	483
Vegetables and fruit	4,478	187	828	11	84	20	41	128	84	167
Coffee	2,708	4	388	(2)	80	8	(2)	2	1	270
Beverages and tobacco	4,108	478	271	550	184	837	46	2	17	11
Crude materials, excluding fuels	11,528	6,433	278	138	135	110	128	88	22	578
Paper base stocks	2,110	1,880	1	(2)	1	(2)	(2)	(2)	(2)	(2)
Wood	3,341	3,112	20	(2)	2	(2)	(2)	2	-	24
Metal ores and scrap	2,448	820	88	46	31	27	8	3	1	88
Mineral fuels and related materials	44,220	6,718	3,857	2,357	43	78	81	12	28	20,388
Crude petroleum	28,321	3,382	3,520	2,008	-	-	34	-	-	15,054
Petroleum products	12,208	1,084	278	330	43	72	13	11	28	5,088
Natural gas	2,504	2,188	57	21	(2)	1	(2)	1	(2)	225
Chemicals and related products	18,213	3,882	507	1,472	2,188	1,417	2,150	258	143	128
Manufactured goods	53,358	13,222	2,007	1,833	2,833	1,587	6,548	3,885	1,888	883
Paper, paperboard	8,588	5,025	288	103	202	78	146	72	50	20
Iron and steel	8,480	1,481	218	275	738	527	2,215	123	488	150
Nonferrous metals	7,881	2,840	482	267	381	146	451	34	12	211
Machinery	88,433	8,883	6,780	4,482	8,128	2,728	35,748	7,870	4,884	27
Power generating	10,880	2,257	1,214	1,187	1,118	1,108	2,387	71	55	1
General industrial	11,111	1,238	425	731	1,817	408	3,158	738	288	5
Telecommunications ⁴	20,821	818	1,744	154	158	80	10,831	2,385	2,081	1
Electrical ⁵	24,428	1,828	2,817	884	1,548	524	8,588	2,137	1,841	2
Office machinery and data processing equipment	18,482	1,158	488	888	551	181	8,885	1,824	788	13
Transport equipment	78,378	22,018	1,887	2,708	10,201	2,008	31,172	758	2,218	15
Automobiles, buses, trucks	57,024	14,348	1,288	1,218	8,883	280	28,042	8	2,082	(2)
New passenger cars	47,858	10,185	1,178	1,194	8,882	258	21,305	-	2,081	(2)
Motor vehicle parts	13,740	5,880	848	380	818	138	3,885	184	88	(2)
Clothing	20,480	273	433	247	113	200	378	2,837	3,034	382
Footwear	7,237	35	105	27	21	101	8	2,411	1,751	2

- Represents zero NA Not available. Z Less than \$500,000. ¹ Includes countries and regions not shown separately. ² Organization of Petroleum Exporting Countries. See table 948 for list of countries. ³ Agricultural machinery and parts and tractors, excluding tractor parts. ⁴ Includes sound recording and reproducing apparatus and equipment. ⁵ Electrical machinery, apparatus, appliances, and parts. ⁶ Includes motor vehicle and tractor parts, except tires, engines, and electrical parts.

Source: U.S. Bureau of the Census, *Highlights of U.S. Export and Import Trade*, Report FT 988, December issue; U.S. General Imports/World Area and Country of Origin by Schedule A Commodity Groupings and FT 188, U.S. Exports/World Area and Country of Destination by Schedule E Commodity Groupings FT 488.

NO 1972 U.S. EXPORTS, IMPORTS, AND MERCHANDISE TRADE BALANCE, BY CONTINENT, AREA, AND COUNTRY: 1960 TO 1987

In millions of dollars, except percent. Includes silver ore and bullion. Area, continent, and individual country totals include exports of special category commodities. If any. Data include nonmonetary gold; beginning 1984, data include trade of Virgin Islands with foreign countries; see footnote 2 for exception. Minus sign (-) denotes an excess of imports over exports. See *Statistical Statistics, Colonial Times* to 1970; series U 317-362 for selected countries.

CONTINENT, AREA, AND COUNTRY	EXPORTS, DOMESTIC AND FOREIGN					GENERAL IMPORTS ¹					MERCHANDISE TRADE BALANCE				
	1960	1964	1966	1968	1967	1960	1964	1966	1968	1967	1960	1964	1966	1968	1967
Total:	220,793	217,888	213,148	217,304	262,888	344,871	325,728	348,276	398,881	406,981	-34,088	-167,338	132,130	-162,867	-183,882
Developed countries ²	130,848	135,884	134,018	141,447	166,375	125,308	200,714	223,314	245,987	256,561	+5,542	-64,830	-89,206	-104,520	-91,186
Percent of total	59.3	62.4	62.8	65.1	63.1	36.1	61.8	64.7	61.9	63.2	(X)	(X)	(X)	(X)	(X)
Developing countries ¹	81,125	74,421	71,873	70,838	81,838	117,825	118,161	118,161	117,221	141,123	-36,900	-45,388	-44,486	-46,582	-58,430
Communist areas, total	7,816	7,214	7,081	5,125	5,721	2,485	5,221	5,801	6,773	8,218	+5,120	+1,983	+1,280	-1,846	-2,487
Unaffiliated countries	1,116	389	386	94	77	44	1	(X)	(X)	(X)	+1,072	+388	+385	+84	+77
Africa	9,080	8,827	7,388	5,978	6,283	34,410	14,355	11,884	10,348	11,938	-25,320	-5,528	-4,575	-4,370	-5,888
Asia	40,188	64,533	80,745	64,532	73,288	60,289	120,132	131,884	153,889	174,452	20,131	-85,588	71,138	89,337	-101,184
Oceania	4,878	5,745	6,388	6,689	6,526	3,388	3,658	3,819	3,717	4,138	+1,484	+2,187	+2,880	+2,942	+2,380
Europe	71,372	82,207	59,878	63,631	71,917	40,038	73,307	81,882	91,825	97,418	+23,353	-11,100	-21,714	-26,185	-28,932
North America	56,737	65,199	67,248	64,461	81,758	84,287	93,330	94,865	91,724	87,591	-7,550	-28,171	-27,738	-27,263	-15,838
South America	17,377	11,050	11,022	11,960	13,038	14,400	21,043	20,932	18,477	20,383	+2,977	-9,983	9,910	6,527	7,327
Western Hemisphere	74,114	78,309	78,271	78,411	94,785	79,887	114,373	115,818	110,281	117,884	-4,573	-38,184	-37,845	-23,788	-23,189
Canada	35,385	46,534	47,261	45,338	56,814	41,458	88,478	89,006	88,258	71,085	-6,064	-18,954	-21,765	-22,880	-11,271
20 Latin American countries	38,030	28,302	27,850	27,888	31,574	28,952	42,341	43,448	39,541	44,371	+8,076	-18,038	-15,888	-11,573	-12,787
Other Western Hemisphere	2,888	3,283	3,170	3,110	3,407	7,277	5,554	3,462	2,408	2,498	-4,588	-2,171	-282	+702	+808
Central American Common Market	1,851	1,859	1,822	1,787	1,873	1,848	1,787	1,722	2,081	1,938	+102	-88	-100	-284	-88
Belize	486	428	422	483	582	368	473	501	841	670	+142	-80	-79	-168	-88
Guatemala	272	437	445	518	380	427	380	386	385	284	+135	+37	+48	+133	+108
Honduras	552	377	405	400	480	435	444	408	801	485	+117	-87	-87	-301	-15
Nicaragua	378	322	308	363	418	418	383	375	433	488	-40	-71	-87	-70	-71
Costa Rica	280	112	42	3	4	211	57	41	1	1	+38	+55	+1	+2	+3
In American Free Trade Association	32,274	22,830	24,414	24,180	27,388	28,785	38,881	38,881	35,885	40,519	+5,538	-16,041	-15,888	-11,475	-13,183
Bolivia	2,825	800	721	844	1,080	741	854	1,080	858	1,080	+1,884	-54	-348	+88	+10
Chile	172	108	120	112	140	182	155	88	124	111	-10	-48	+21	-12	+28
Colombia	4,343	2,840	3,140	3,885	4,040	3,715	7,821	7,526	6,813	7,885	+828	-4,881	-4,388	-2,888	-3,833
Ecuador	1,383	805	882	823	786	515	781	745	820	981	+838	+24	-83	+3	-185
El Salvador	1,736	1,450	1,488	1,319	1,412	1,241	1,146	1,331	1,874	2,232	+485	+304	+137	-583	-830
Honduras	884	855	881	801	821	878	1,885	1,837	1,485	1,288	-12	-1,040	-1,248	-884	-845
Mexico	15,145	11,882	13,085	12,382	14,582	12,580	18,020	18,132	17,383	20,271	+2,885	-8,028	-5,487	-4,810	-5,888
Paraguay	108	84	98	171	183	81	41	24	30	22	+28	+23	+75	+141	+181
Peru	1,171	751	486	683	814	1,385	1,342	1,087	853	788	-215	-581	-215	-110	+48
Uruguay	183	80	84	100	82	87	583	567	472	344	+88	-883	-483	-372	-352
Venezuela	4,573	3,377	3,388	3,141	3,588	5,321	6,543	6,537	5,087	5,579	-748	-3,188	-3,138	-1,885	-1,883
Other Latin America	1,805	1,823	1,814	2,021	2,345	1,388	1,723	1,782	1,828	1,913	+437	+100	+32	+185	+432
Cuba	(X)	1	1	2	1	(X)	(X)	(X)	(X)	(X)	+1	+1	+1	+2	+1
Dominican Republic	785	646	742	881	1,182	787	1,018	982	1,085	1,183	+8	-372	-240	-164	-21
Haiti	311	419	388	287	488	358	377	380	378	385	+88	+42	+8	+12	+64
Panama	888	757	675	711	743	330	388	410	388	388	+388	+428	+288	+348	+387

Other Western Hemisphere	2,888	3,399	3,179	3,119	3,407	7,277	8,554	3,463	2,498	2,498	-4,599	-2,171	-292	+783	+909
Bahamas, The.....	396	555	796	781	782	1,489	1,173	626	442	416	-1,073	-616	+160	+319	+366
Barbados	136	242	173	147	132	99	264	202	106	59	+40	-12	-29	+39	+73
Belize	58	53	56	59	72	60	46	47	51	42	-2	+7	+9	+8	+30
Bermuda	136	225	256	236	261	13	8	7	6	6	+123	+217	+261	+230	+265
French West Indies	67	36	26	39	44	7	15	3	3	2	+60	+23	+25	+36	+42
Greenland.....	3	2	6	2	3	14	12	3	1	1	-11	-10	+3	+1	+2
Guyana.....	86	51	43	47	60	120	79	47	94	59	-24	-27	-4	-17	+1
Jamaica.....	308	495	404	457	601	363	377	273	299	365	-78	+116	+131	+156	+206
Leeward and Windward Islands	152	299	196	225	236	36	45	95	64	67	+116	+164	+104	+141	+151
Netherlands Antilles.....	446	648	427	396	507	2,564	2,049	805	471	521	-2,116	-1,400	-361	-73	-14
Suriname.....	136	100	86	94	72	109	105	60	39	46	+27	-5	+26	+45	+29
Trinidad and Tobago.....	660	601	504	532	361	2,363	1,360	1,263	793	615	-1,703	-769	-764	-261	-454
Other	74	164	200	125	274	23	33	33	47	49	+51	+131	+167	+78	+225
Western Europe	97,512	68,019	93,752	81,646	36,718	46,602	71,163	78,736	63,632	95,496	+39,919	-13,134	-29,999	-23,163	-25,778
OECD 4.....	66,654	57,466	54,064	61,003	99,091	46,137	70,826	79,165	99,130	94,636	+20,517	-13,140	-23,061	-26,127	-25,545
European Economic Community 5.....	56,691	50,498	46,906	53,155	60,575	37,662	60,229	67,622	75,736	61,166	+20,609	-9,731	-16,626	-22,591	-20,613
Belgium and Luxembourg	6,691	5,301	4,916	5,399	6,169	1,914	3,139	3,367	4,906	4,171	+4,747	+2,162	+1,531	+1,363	+2,016
Denmark	663	605	766	756	693	727	1,416	1,696	1,757	1,779	+136	-613	-959	-909	-666
France.....	7,465	6,037	6,096	7,216	7,943	5,265	8,113	9,482	10,129	10,730	+2,220	-2,076	-3,399	-2,913	-2,767
Greece 6.....	922	456	466	430	402	292	365	365	394	496	+630	+101	+103	+36	-76
Ireland.....	635	1,364	1,342	1,434	1,810	413	944	901	1,006	1,112	+423	+510	+441	+431	+699
Italy.....	5,511	4,375	4,625	4,636	5,530	4,325	7,935	9,674	10,607	11,040	+1,196	-3,560	-5,049	-5,766	-5,510
Netherlands	8,699	7,554	7,269	7,849	8,217	1,913	4,066	4,091	4,066	3,964	+6,766	+3,466	+3,169	+3,782	+4,253
Portugal.....	911	951	805	639	591	276	477	546	552	964	+633	+464	+149	+66	-63
Spain.....	3,179	2,561	2,524	2,615	3,146	1,220	2,391	2,515	2,702	2,536	+1,659	+170	+9	-67	+310
United Kingdom	12,864	12,210	11,273	11,416	14,114	9,642	14,462	14,937	15,396	17,341	+2,652	-2,262	-3,694	-3,978	-3,237
West Germany.....	10,860	9,084	9,060	10,591	11,749	11,699	16,906	20,239	25,124	27,066	-733	-7,912	-11,169	-14,563	-15,321
Other OECD 4.....	7,962	6,906	7,091	7,660	8,516	8,255	10,401	11,343	13,395	13,447	-293	-3,412	-4,262	-5,545	-4,931
Austria.....	447	376	441	464	549	369	714	834	964	929	+58	-339	-393	-400	-390
Finland.....	506	360	439	361	515	439	782	636	906	699	+86	-432	-467	-627	-464
Iceland	79	51	36	60	64	200	207	246	236	286	-121	-156	-210	-176	-202
Norway	643	959	666	937	842	2,632	1,904	1,164	1,079	1,404	-1,769	-1,045	-496	-142	-582
Sweden.....	1,767	1,542	1,925	1,671	1,894	1,617	3,244	4,124	4,420	4,756	+150	-1,702	-2,199	-2,549	-2,864
Switzerland	3,781	2,363	2,266	2,977	3,151	2,803	3,117	3,478	5,253	4,249	+978	-564	-1,169	-2,276	-1,096
Turkey.....	540	1,249	1,296	1,160	1,463	175	439	602	633	621	+365	+616	+693	+527	+592
Other Western Europe	699	639	679	699	637	464	637	691	699	661	+294	+6	+66	-69	-294
Yugoslavia	756	432	596	526	461	446	476	542	646	797	+310	-46	+53	-116	-356
Other	102	101	94	111	166	16	49	49	49	64	+64	+52	+36	+62	+102

See footnotes at end of table.

[In millions of dollars, except percent. See headnote, p. 788]

CONTINENT, AREA, AND COUNTRY	EXPORTS, DOMESTIC AND FOREIGN					GENERAL IMPORTS ¹					MERCHANDISE TRADE BALANCE				
	1980	1984	1986	1986	1987	1986	1984	1986	1986	1987	1986	1984	1986	1986	1987
Communist areas in Europe	3,980	4,188	3,215	1,923	2,309	1,437	2,184	1,923	2,001	1,923	+2,423	+2,004	+1,279	-12	+277
Bulgaria.....	161	44	104	97	69	25	29	36	57	42	+136	+15	+63	+40	+47
Czechoslovakia.....	185	58	63	72	47	69	85	76	85	78	+118	-26	-13	-13	-31
East Germany.....	479	137	73	69	54	44	149	92	67	85	+436	-12	-19	-19	-31
Hungary.....	80	88	94	95	95	107	221	218	225	279	-27	-133	-124	-127	-184
Poland.....	714	318	239	151	239	416	220	220	233	295	+295	+88	+16	-82	-57
Romania.....	722	249	208	251	193	312	893	982	754	715	+410	-644	-674	-503	-822
Soviet Union.....	1,513	3,284	2,423	1,248	1,480	454	554	409	558	425	+1,059	+2,730	+2,014	+690	+1,065
Other.....	7	10	12	4	3	10	2	3	2	3	-3	+6	+9	+2	-
Asia	60,168	64,532	60,746	64,532	73,398	33,890	120,132	131,894	165,039	174,462	-20,131	-65,029	-71,139	-88,337	-101,194
Japan.....	20,790	25,079	22,931	33,990	28,348	20,714	57,139	68,793	31,911	84,576	-2,894	-33,990	-40,182	-55,039	-58,336
Communist areas	9,768	3,627	3,576	3,188	3,522	1,399	2,997	6,395	4,772	6,395	+2,997	-40	+11	-1,399	-2,773
Near East Asia	11,399	11,133	9,799	8,415	8,982	18,672	9,982	6,397	7,923	10,911	-6,772	+3,071	+3,442	+535	-1,399
Bahrain.....	197	145	107	195	205	18	54	84	77	83	+181	+91	+23	+118	+142
Iran.....	23	182	74	34	54	469	700	725	599	1,098	-436	-636	-661	-636	-1,614
Iraq.....	724	684	427	528	653	460	124	474	440	495	+264	+540	-47	+86	+188
Israel.....	2,045	2,184	2,580	2,239	3,130	950	1,750	2,123	2,418	2,839	+1,085	+444	+457	-179	+491
Jordan.....	407	289	377	332	885	3	4	14	10	11	+404	+295	+363	+322	+364
Kuwait.....	986	636	551	857	505	494	260	184	267	522	+362	+376	+357	+390	-17
Lebanon.....	303	208	141	106	97	33	7	19	30	33	+270	+279	+122	+76	+84
Saudi Arabia.....	5,768	5,564	4,474	3,449	3,373	12,648	3,741	1,907	3,612	4,433	-6,890	+1,823	+2,567	-163	-1,090
Sri Lanka.....	239	104	106	59	93	28	2	3	8	59	+213	+102	+103	+51	+84
Other.....	1,307	1,079	872	816	997	3,394	1,420	734	459	996	-2,277	-341	+139	+357	+109
East and South Asia	23,722	20,768	24,530	33,990	31,996	29,854	51,923	33,990	59,296	72,772	-6,132	-25,079	-28,439	-33,197	-40,777
Afghanistan.....	11	7	3	6	6	6	13	7	5	6	+5	-8	-4	-3	+2
Burma.....	29	16	10	16	8	9	14	14	14	12	+20	+2	-4	+2	-4
China: Taiwan.....	4,337	5,003	4,700	5,524	7,413	6,854	14,788	16,396	19,791	24,822	-2,517	-9,765	-11,696	-14,267	-17,209
Hong Kong.....	2,898	3,062	2,798	3,030	3,963	4,739	6,396	8,396	8,891	9,854	-2,053	-5,204	-5,610	-5,891	-6,571
India.....	1,696	1,570	1,642	1,536	1,463	1,096	2,552	2,295	2,263	2,529	+591	-982	-663	-747	-1,066
Indonesia.....	1,545	1,218	795	946	767	5,217	5,462	4,569	3,312	3,394	-3,672	-4,246	-3,774	-2,396	-2,627
Kampuchea.....	28	1	-	-	-	(Z)	(Z)	-	-	-	+26	+1	-	-	-
Laos.....	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	2	(Z)	(Z)	1	(Z)	-2	(Z)	(Z)	-1
Malaysia.....	1,337	1,866	1,539	1,730	1,897	2,577	2,721	2,300	2,421	2,921	-1,240	-865	-761	-691	-1,084
Pakistan.....	642	1,098	1,042	630	733	128	244	274	325	495	+514	+849	+798	+305	+328

Philippines.....	1,599	1,766	1,376	1,353	1,599	1,731	2,430	2,145	1,972	2,264	+206	-664	-765	-609	-995
Singapore.....	3,033	3,675	3,476	3,360	4,053	1,921	3,979	4,260	4,725	6,201	+1,112	-364	-784	-1,346	-2,146
South Korea.....	4,896	5,963	5,956	6,366	8,069	4,147	9,353	10,013	12,729	16,967	+535	-3,370	-4,057	-6,374	-8,896
Sri Lanka.....	82	92	73	06	77	126	272	262	337	417	-84	-160	-206	-271	-340
Thailand.....	1,263	1,113	949	996	1,544	816	1,326	1,426	1,749	2,220	+447	-213	-579	-612	-676
Other.....	373	345	260	379	361	454	466	690	743	939	-109	-121	-310	-364	-556
Oceania.....	4,379	5,745	6,526	6,526	6,526	3,990	3,990	3,919	3,717	4,139	+1,494	+2,167	+3,660	+2,942	+2,399
Australia.....	4,093	4,703	5,441	5,551	5,495	2,506	2,675	2,637	2,632	3,007	+1,584	+2,116	+2,604	+2,919	+2,496
New Zealand.....	599	712	727	591	619	703	791	690	962	1,052	-104	-79	-133	-101	-233
Other Oceania.....	184	240	231	227	212	160	92	122	103	77	+4	+146	+109	+124	+136
Africa.....	8,062	3,627	7,399	3,676	6,526	34,419	14,365	11,964	19,346	11,923	-65,029	-3,522	-4,379	-4,379	-8,896
Algeria.....	542	520	430	453	426	6,577	8,896	2,333	1,631	1,999	-6,035	-3,116	-1,903	-1,376	-1,573
Angola.....	111	103	137	65	65	742	1,010	1,054	676	1,294	-631	-997	-917	-962	-1,166
Cameroon.....	93	95	69	46	47	665	721	324	305	414	-512	-651	-255	-267	-357
Central African Republic.....	1	1	1	1	2	9	3	1	4	5	-6	-2	(2)	-3	-3
Egypt.....	1,674	2,704	2,323	1,962	2,210	539	170	79	112	465	+1,335	+2,534	+2,244	+1,670	+1,746
Ethiopia.....	72	174	203	104	136	67	62	43	73	74	-15	+92	+169	+31	+62
Gabon.....	49	36	91	25	53	343	690	602	207	366	-295	-644	-411	-162	-305
Ghana.....	127	46	54	94	115	206	47	60	191	249	-79	-1	-36	-107	-134
Ivory Coast.....	166	65	70	60	92	295	496	626	425	373	-103	-404	-455	-305	-291
Kenya.....	141	74	97	70	95	64	64	62	141	79	+67	+10	+5	-71	+10
Liberia.....	113	97	73	65	70	126	66	63	62	66	-15	+1	-10	-17	-16
Libya.....	599	200	311	46	(2)	8,595	9	44	2	(2)	-8,096	+191	+267	+44	(2)
Madagascar.....	7	39	33	25	16	91	71	53	63	71	-94	-32	-20	-36	-53
Mauritania.....	20	9	26	15	6	(2)	1	(2)	2	16	+19	+8	+26	+14	-19
Morocco.....	344	526	279	457	363	36	34	39	43	60	+305	+462	+240	+444	+339
Mozambique.....	69	23	56	23	50	106	24	16	19	26	-36	-1	+40	+4	+22
Nigeria.....	1,150	577	676	409	295	11,165	2,506	3,002	2,560	3,573	-9,855	-1,931	-2,326	-2,121	-3,279
South Africa.....	2,463	2,265	1,205	1,159	1,261	3,321	2,496	2,071	2,365	1,346	-656	-233	-665	-1,209	-66
Sudan.....	142	136	243	60	152	17	20	9	22	22	+126	+116	+234	+65	+130
Tanzania.....	82	44	46	36	36	32	12	10	12	14	+30	+32	+36	+26	+23
Turkmenistan.....	173	434	266	163	119	60	30	13	11	66	+113	+404	+243	+152	+50
Turkmenistan.....	12	3	5	4	19	126	63	113	133	81	-114	-60	-106	-126	-62
Uganda.....	155	82	106	106	104	416	602	401	221	306	-263	-420	-295	-116	-204
Zaire.....	96	91	60	35	46	200	124	56	65	50	-102	-33	+2	-30	-2
Zambia.....	549	512	539	409	437	727	1,457	1,009	611	911	-176	-946	-470	-411	-474

- Represents zero. 2 Less than \$500,000. 1 Imports: 1996, f.a.s. basis; other years, customs value basis. Exports are f.a.s. value. 3 Includes revisions not carried to area values; therefore, area values will not add to total. 4 Developed countries include Canada, Western Europe, Japan, Australia, New Zealand, and South Africa; developing countries include rest of the world excluding Communist areas in Europe and Asia. Assignment of countries generally follows that made by United Nations. (See table 1403.) 5 OECD=Organization of Economic Cooperation and Development. 6 As of 1991, Greece, became a member of EEC; as of 1999 Spain and Portugal became members of EEC. For consistency, data for all years are shown on same basis.

Sources: U.S. Bureau of the Census, *Highlights of U.S. Export and Import Trade*, FT 980, monthly.

No. 1373. U.S. EXPORTS AND IMPORTS FOR CONSUMPTION OF MERCHANDISE, BY CUSTOMS REGION AND DISTRICT: 1970 TO 1987

(In billions of dollars. Exports are f.a.s. (free alongside ship) value all years; imports are on customs value basis for years 1983 to present; f.a.s. value basis prior to 1983. See *Historical Statistics, Colonial Times to 1970*, series U 264-273, for related data.)

CUSTOMS REGION AND DISTRICT	EXPORTS							IMPORTS FOR CONSUMPTION						
	1970	1980	1983	1984	1985	1986	1987	1970	1980	1983	1984	1985	1986	1987
Total ¹	43.2	220.8	280.5	217.8	213.1	217.3	252.9	40.8	244.8	268.0	325.8	343.8	368.7	402.1
Boston, MA region	3.3	14.3	14.8	17.7	17.5	18.3	21.8	5.7	21.8	27.5	36.2	37.0	46.3	43.4
Portland, ME	1	4.3	7	7	.8	.8	.8	.3	1.8	1.8	2.3	2.3	2.7	3.3
St. Albans, VT	.2	.7	.7	1.1	1.1	1.3	1.8	.4	1.8	2.0	2.5	2.7	2.7	3.2
Boston, MA	.4	.8	2.6	2.8	3.0	3.8	4.4	1.0	5.0	8.4	8.1	8.2	9.2	12.0
Providence, RI	(Z)	2.5	.1	(Z)	(Z)	(Z)	(Z)	1	.8	1.0	.9	1.0	1.3	1.8
Bridgeport, CT	(Z)	.2	1	1	1	(Z)	(NA)	.2	.8	1.2	1.7	1.3	1.4	(NA)
Ogdensburg, NY	.9	3.8	3.7	4.5	4.1	4.4	4.7	1.1	4.8	5.6	7.1	6.6	7.5	7.9
Buffalo, NY	1.7	6.3	7.0	6.5	8.4	8.2	9.5	2.7	7.4	8.2	13.7	14.7	15.5	15.4
New York, NY region	18.8	36.8	39.0	31.3	28.5	33.4	32.8	16.1	43.4	48.5	68.2	68.5	67.0	88.4
Baltimore, MD region	3.9	21.5	18.8	13.7	13.4	12.1	13.8	3.9	36.8	23.3	29.7	31.1	31.3	34.4
Philadelphia, PA	.7	3.2	2.3	2.1	2.0	1.9	2.4	1.9	15.8	13.4	15.8	15.8	13.7	15.8
Baltimore, MD	1.3	9.0	7.1	5.8	5.5	4.9	5.4	1.4	6.0	5.5	8.5	8.8	11.0	11.8
Norfolk, VA ²	1.8	8.9	7.1	5.4	5.4	5.3	5.5	.8	4.7	4.1	6.0	6.0	5.8	6.3
Washington, DC	1	.3	.4	.4	.5	(Z)	.5	1	.4	.3	.4	.5	.8	.7
Miami, FL region	2.8	17.8	15.7	18.5	17.8	18.8	21.4	2.4	19.8	21.3	36.3	27.0	31.5	34.5
Wilmington, NC	.2	1.3	1.3	1.3	1.3	1.2	1.1	.2	1.1	1.3	1.7	1.9	2.4	2.5
Charleston, SC ³	.2	3.1	2.5	2.9	2.9	3.0	3.8	.3	1.8	2.3	3.0	3.3	4.9	5.9
Savannah, GA	.4	2.4	2.9	3.7	3.4	3.8	4.4	.8	2.2	3.5	4.7	5.1	6.4	7.4
Tampa, FL	.2	2.8	2.1	2.8	2.8	2.1	2.7	.6	3.7	4.8	5.7	6.6	7.8	7.4
San Juan, PR	1	.9	1.3	1.4	1.2	1.3	1.4	.6	3.7	3.5	4.3	4.0	3.8	3.8
Virgin Islands	(NA)	1	.2	.2	1	(Z)	.1	(NA)	4.1	2.8	2.5	1.7	1.2	1.7
Miami, FL	.7	6.8	5.5	6.2	6.1	7.2	6.1	.4	2.6	3.3	4.3	4.4	5.2	5.7
New Orleans, LA region	3.9	22.8	19.8	18.1	18.8	14.4	15.4	1.8	25.5	16.3	17.7	17.8	17.1	18.8
Mobile, AL ⁴	.5	2.8	1.4	1.2	1.1	1.3	1.4	.3	3.0	3.2	3.4	2.8	2.3	2.9
New Orleans, LA	3.5	19.5	18.2	16.8	13.9	13.1	14.0	1.4	22.5	13.0	14.3	14.7	14.8	15.9
Houston, TX region	4.0	28.3	22.5	25.1	23.8	21.7	25.9	1.8	34.7	28.1	31.9	29.7	27.7	31.4
Port Arthur, TX	.5	2.0	1.5	1.7	.8	.7	.9	1	5.4	5.0	5.2	2.7	1.3	1.9
Laredo, TX	1.1	8.3	4.4	6.4	7.2	8.3	7.5	.4	2.7	4.0	4.6	4.8	5.7	6.8
El Paso, TX	1	1.8	1.4	1.8	2.1	2.3	2.8	.2	1.4	1.9	2.2	2.5	3.0	3.4
Houston/Galveston, TX	2.4	15.7	14.6	14.7	12.5	11.2	12.5	1.1	20.1	15.7	17.8	17.3	14.5	16.0
Dallas/Fort Worth, TX	(NA)	.5	.8	.8	1.0	1.2	1.5	(NA)	1.2	1.5	2.2	2.4	3.2	3.9
Los Angeles, CA region	2.6	17.8	18.7	20.7	21.8	22.2	28.4	2.3	22.2	28.3	34.8	47.8	52.1	58.4
San Diego, CA	.3	1.4	.9	1.4	1.8	1.5	1.7	.2	1.0	1.2	1.8	1.8	2.2	2.7
Nogales, AZ	1	.8	.8	.9	.8	.8	1.0	.2	1.2	1.7	1.9	2.0	2.4	3.1
Los Angeles, CA	2.1	14.8	17.1	18.4	19.5	19.9	23.7	2.8	20.0	25.4	31.1	44.1	48.5	53.6
San Francisco, CA region	4.9	29.3	27.8	29.3	30.1	32.1	37.8	3.8	25.0	30.3	38.1	38.6	44.1	49.0
San Francisco, CA	1.8	10.6	11.3	12.4	11.3	11.4	14.3	1.3	8.3	11.2	16.2	15.5	18.1	21.8
Portland, OR	.8	3.8	3.7	4.1	3.5	3.2	3.7	.4	2.6	2.8	3.8	3.8	4.7	4.6
Seattle, WA	1.8	12.0	10.0	10.1	12.1	14.8	15.7	1.3	9.2	9.9	12.7	13.4	15.3	17.2
Anchorage, AK	1	1.0	1.1	1.1	1.3	1.3	1.7	1	.2	.4	.3	.2	.3	1
Honolulu, HI	1	.2	.2	.3	.4	.2	.4	.2	1.8	1.8	1.4	1.6	1.4	1.6
Great Falls, MT	.2	1.8	1.2	1.4	1.5	1.1	1.2	.3	3.2	3.8	3.8	4.0	3.3	3.7
Chicago, IL region	6.2	28.2	27.8	34.8	34.8	33.7	40.7	7.3	25.8	35.7	48.7	62.4	54.8	61.8
Pembina, ND	.4	2.3	2.0	2.3	2.2	2.3	2.5	.5	3.0	2.5	3.4	3.2	2.6	2.7
Minneapolis, MN	(Z)	1	.2	.2	.2	.2	.3	1	.3	.5	.8	1.0	1.2	1.4
Duluth, MN	.3	1.5	1.0	1.8	.9	.8	.7	.5	3.0	2.9	3.3	3.0	2.4	2.9
Milwaukee, WI	1	.4	.2	.2	.3	1	.1	1	.4	.8	.9	1.0	.9	.9
Detroit, MI	4.1	14.6	17.9	22.8	22.8	21.3	26.6	4.2	12.7	19.0	25.9	27.4	27.9	29.7
Chicago, IL	.8	4.2	4.7	5.1	5.4	6.1	6.9	1.2	4.1	5.8	10.1	11.4	12.3	13.8
Cleveland, OH	.5	1.8	1.7	1.9	2.1	2.7	3.4	.8	1.5	2.1	2.8	3.8	5.4	7.3
St. Louis, MO	(Z)	.2	1	1	1	.2	.2	1	.9	.8	1.4	1.6	2.0	2.3

NA Not available. Z Less than \$50 million. ¹Totals shown for exports reflect the value of estimated parcel post and Special Category shipments which are not distributed by customs region/district. Beginning 1984, the value of bituminous coal exported through Norfolk, VA, Charleston, SC, and Mobile, AL is reflected in the total but not distributed by region/district. Total bituminous coal exports for the 3 customs districts were valued at \$2.3 billion in 1984, \$2.6 billion in 1985, \$2.3 billion in 1986 and \$1.9 billion in 1987. Totals shown for imports include estimated shipments not distributed by region/district. ²Beginning 1984, excludes exports of bituminous coal.

Source: U.S. Bureau of the Census, *Highlights of U.S. Export and Import Trade*, FT 990, monthly.

No. 1374. EXPORT AND IMPORT UNIT VALUE INDEXES—SELECTED COUNTRIES: 1981 TO 1987

(Indexes in U.S. dollars, 1986 = 100. A unit value is an implicit price derived from value and quantity data.)

COUNTRY	EXPORT UNIT VALUE							IMPORT UNIT VALUE						
	1981	1982	1983	1984	1985	1986	1987	1981	1982	1983	1984	1985	1986	1987
United States	100	110	112	113	112	113	115	100	104	100	101	99	98	102
Australia	102	95	90	88	79	77	83	103	87	93	95	98	92	102
Austria	95	84	80	74	73	97	114	90	84	79	74	74	82	108
Belgium-Luxembourg	98	80	78	72	71	85	98	90	84	80	77	75	83	90
Canada	104	102	102	101	98	93	98	108	109	108	111	108	105	110
Denmark	90	88	81	77	76	88	116	93	87	82	78	78	83	108
France	88	83	79	77	78	(NA)	(NA)	92	86	79	76	78	(NA)	(NA)
Italy	92	88	85	81	81	88	115	103	97	91	88	82	86	98
Japan	(NA)	(NA)	87	98	95	114	125	(NA)	(NA)	91	88	88	78	81
Norway	100	85	87	88	84	74	78	98	86	79	72	73	86	98
Sweden	91	82	78	75	74	88	(NA)	98	84	77	74	73	81	(NA)
Switzerland	98	88	88	81	79	102	129	83	78	77	72	71	87	102
United Kingdom	94	88	82	78	79	88	100	83			79	78	84	98
West Germany	98	88	80	74	75	88	118	97			77	77	87	98

NA Not available.

Source: International Monetary Fund, Washington, DC, *International Financial Statistics*.

No. 1375. U.S. EXPORTS AND IMPORTS—INDEXES OF UNIT VALUE AND QUANTITY: 1983 TO 1987

[1977 = 100]

END-USE COMMODITY CATEGORY	INDEX OF EXPORT OF U.S. MERCHANDISE					INDEX OF GENERAL IMPORTS				
	1983	1984	1985	1986	1987	1983	1984	1985	1986	1987
UNIT VALUE										
All commodities.....	154.1	156.2	155.0	155.4	158.6	160.6	163.5	159.4	154.0	164.6
Food, feed and beverages.....	120.4	123.9	110.3	101.7	94.7	118.8	121.1	117.0	125.6	123.3
Industrial supplies and materials.....	144.6	148.1	140.8	135.8	142.0	160.6	178.1	167.2	129.5	143.1
Capital goods exc. auto.....	171.7	171.1	178.1	182.7	185.7	122.0	128.6	131.0	136.2	142.4
Auto. vehicles parts and engines.....	190.3	199.3	208.4	224.3	239.8	166.5	200.3	205.0	236.9	264.2
Consumer goods exc. foods and auto.....	141.6	140.9	136.5	142.2	142.1	133.5	134.8	128.9	130.1	133.9
QUANTITY										
All commodities.....	107.8	115.1	113.0	112.6	127.0	110.3	136.7	148.6	164.9	169.2
Food, feed and beverages.....	130.9	129.4	110.6	111.4	126.6	110.8	125.4	135.0	138.6	142.3
Industrial supplies and materials.....	116.0	123.5	123.6	126.0	139.2	78.3	91.9	91.5	105.6	103.3
Capital goods exc. auto.....	106.3	114.0	111.8	113.1	125.6	244.6	340.4	360.9	401.0	440.7
Auto. vehicles parts and engines.....	66.7	78.2	82.4	73.9	77.5	126.7	154.0	163.6	191.2	185.5
Consumer goods exc. foods and auto.....	94.2	94.3	91.3	99.8	124.2	151.6	201.0	242.6	277.4	300.0

Source: U.S. Bureau of the Census, *Highlights of U.S. Export and Import Trade*, FT-900, monthly, and unpublished data.

No. 1376. DOMESTIC EXPORTS, BY SELECTED COMMODITY GROUPS: 1970 TO 1987

[In millions of dollars. Totals and subtotals include data for commodities not shown separately. Beginning 1975, exports include nonmonetary gold. Commodity data beginning 1990 are not strictly comparable with previous years due to changes in export classifications; see source for changes. Beginning 1990, includes trade of Virgin Islands with foreign countries (see footnote 1 for exception). "N.e.c." means not elsewhere classified. See also *Historical Statistics, Colonial Times to 1970*, series U 274-294]

COMMODITY GROUP	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
U.S. merchandise.....	42,800	106,661	216,008	228,961	207,188	196,909	212,057	206,925	206,376	243,889
Food and live animals.....	4,388	15,484	27,744	30,291	23,989	24,166	24,463	19,388	17,393	19,179
Meat and preparations.....	175	526	1,293	1,482	1,265	1,191	1,208	1,153	1,424	1,768
Meat (fresh, chilled, or frozen).....	147	491	1,217	1,369	1,194	1,110	1,129	1,090	1,365	1,699
Dairy products and eggs.....	137	134	255	433	409	373	368	365	407	365
Grains and preparations.....	2,596	11,642	18,079	19,457	14,747	15,152	16,079	11,050	7,369	6,056
Wheat and wheat flour.....	1,112	5,263	6,586	8,073	6,869	6,509	6,869	3,780	3,217	3,248
Rice.....	314	858	1,285	1,526	997	926	845	986	621	576
Coarse grains.....	1,072	5,272	9,886	9,501	6,420	7,231	8,241	6,251	3,132	3,742
Corn.....	824	4,448	8,570	8,014	5,682	6,480	7,081	5,319	2,718	3,314
Grain sorghums.....	188	699	1,080	1,174	720	747	990	839	398	406
Fruits and nuts.....	409	871	1,866	1,963	1,778	1,701	1,676	1,710	1,676	2,144
Fruit, fresh.....	164	404	716	802	730	761	866	693	780	829
Vegetables.....	176	406	992	1,131	937	744	759	697	781	611
Feed for animals.....	497	967	2,676	2,739	2,473	2,802	2,226	1,891	2,622	2,692
Beverages and tobacco.....	702	1,383	2,863	2,915	3,026	2,913	2,849	2,968	2,968	3,867
Tobacco and manufactures.....	679	1,253	2,426	2,723	2,845	2,847	2,704	2,789	2,732	3,400
Leaf tobacco.....	481	852	1,334	1,457	1,547	1,462	1,511	1,521	1,209	1,090
Cigarettes.....	159	365	1,055	1,229	1,235	1,126	1,120	1,160	1,296	2,047
Crude materials, inedible, exc. fuels.....	4,388	9,784	23,791	20,993	19,248	19,288	20,249	16,669	17,324	20,416
Hides and skins, except fur skins.....	145	295	964	700	778	607	1,171	1,086	1,314	1,450
Fur skins, undressed.....	42	115	352	325	244	203	212	207	207	281
Soybeans.....	1,216	2,865	5,863	6,200	6,240	5,925	5,436	3,986	4,334	4,343
Synthetic rubber.....	176	261	986	824	553	543	624	584	649	761
Wood in the rough ²	365	751	2,002	1,426	1,522	1,369	1,372	1,446	1,418	1,848
Wood shaped or simply worked.....	183	413	1,080	933	611	914	641	700	994	1,349
Lumber, softwood.....	162	342	778	653	576	602	530	493	640	851
Woodpulp.....	464	675	1,652	1,661	1,415	1,432	1,502	1,343	1,662	2,250
Textile fibers and wastes.....	543	1,345	3,929	3,402	2,817	2,593	3,343	2,476	1,602	2,552
Raw cotton, excluding linters.....	372	991	2,864	2,250	1,955	1,817	2,441	1,633	773	1,631
Ores and metal scrap.....	940	1,355	4,516	2,716	2,174	2,276	2,865	2,802	2,802	3,016
Iron and steel scrap.....	447	780	1,226	839	610	637	916	917	1,054	967
Ores and scrap, nonferrous base.....	397	481	1,223	699	699	451	560	517	480	562
Mineral fuels and related materials.....	1,363	4,470	7,962	10,279	12,729	9,509	9,311	9,971	8,114	7,713
Coal.....	962	3,259	4,621	5,909	5,997	4,051	4,132	4,464	3,928	3,396
Petroleum and products.....	486	909	2,833	3,696	5,947	4,557	4,470	4,707	3,639	3,922
Lubricating oil.....	175	275	733	799	345	667	566	549	602	327
Animal and vegetable oils and fats.....	493	944	1,946	1,789	1,641	1,489	1,922	1,434	1,915	961
Tallow, inedible.....	176	299	677	845	572	963	617	536	360	362
Soybean oil.....	192	296	699	474	486	447	742	431	253	286

See footnotes at end of table.

No. 1376. DOMESTIC EXPORTS, BY SELECTED COMMODITY GROUPS: 1970 TO 1987—Continued

[In millions of dollars. See headnote, p. 783]

Commodity group	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Chemicals and related products...	3,838	5,881	20,740	21,187	19,880	19,751	22,338	21,788	25,788	28,381
Chemical elements and compounds...	1,642	3,623	2,108	2,285	1,988	1,838	2,183	1,987	1,771	2,113
Dyeing, tanning, coloring materials	137	244	480	524	484	481	483	481	507	628
Medicinal, pharmaceutical prod.	420	888	1,932	2,185	2,275	2,484	2,828	2,708	3,182	3,182
Fertilizers, manufactured	178	1,083	2,285	1,735	1,388	1,287	1,815	2,180	1,836	2,288
Plastic materials and resins ¹	653	1,188	3,884	3,808	3,850	3,732	3,777	4,301	5,482	5,482
Machinery and transport equip.	17,882	45,888	84,828	85,738	87,148	82,878	88,873	84,278	95,288	108,888
Machinery ²	11,885	29,215	57,283	54,428	54,886	54,886	61,484	60,573	70,088	70,088
Power generating machinery	1,405	3,551	8,428	9,485	9,481	8,718	9,114	9,272	9,185	10,183
Agricultural machinery	182	704	1,285	1,420	1,127	832	985	884	772	888
Tractors and parts	780	2,128	2,150	2,288	1,780	1,388	1,921	1,832	1,155	1,280
Electronic computers, parts and accessories	1,228	2,228	7,783	8,741	9,188	10,888	13,481	13,841	14,514	17,485
Other office machines ³	311	411	948	1,048	1,070	1,131	1,131	1,087	888	1,074
Metalworking machinery	388	822	1,788	2,188	1,811	1,121	1,175	1,248	1,487	1,808
Metalcutting machines	213	344	387	874	345	204	217	248	307	332
Textile, leather machinery	273	488	880	888	554	453	520	488	554	681
Construction, excavating, and mining equipment	434	1,277	1,828	1,253	788	888	820	713	773	773
Materials handling equipment	807	1,848	2,243	2,438	1,582	948	911	824	873	884
Air-conditioning and refrigerating equipment	387	828	1,487	1,487	1,308	1,188	1,121	1,121	1,336	1,336
Pumping equipment, incl. parts	241	543	1,081	1,248	1,248	1,008	1,008	810	810	810
Pipe valves and parts	188	458	828	838	854	718	673	610	608	711
Power machinery, switchgear	611	1,708	3,254	3,838	3,824	3,221	3,852	3,381	3,488	4,008
Generators, generating sets	117	548	819	745	888	378	580	330	307	338
Transforming, converting, transmission apparatus	158	417	914	1,118	1,325	888	985	837	897	1,014
Telecommunications apparatus	880	1,574	3,454	3,888	3,884	3,804	3,843	4,167	4,407	5,088
Radio, television apparatus	578	1,338	2,238	2,525	2,430	580	588	678	818	888
Domestic electrical equipment	118	388	788	841	873	611	628	580	742	742
Transport equipment ⁴	6,187	18,452	27,388	31,310	28,888	27,288	28,508	33,708	34,088	38,008
Railway vehicles	81	482	452	488	488	402	584	428	538	348
Road motor vehicles, parts ⁵	3,245	9,280	13,117	14,733	12,751	13,482	17,851	17,851	17,851	18,852
Automobiles, nonmilitary, new	822	2,852	3,818	3,818	2,880	4,200	4,888	6,020	6,254	6,884
Trucks and tractor trucks, commercial, new	452	1,712	1,487	1,818	1,188	1,042	1,888	2,183	1,888	2,243
Parts, accessories, commercial	1,803	3,820	6,068	7,385	6,838	7,531	8,088	9,378	8,482	8,857
Aircraft, parts, and accessories	2,858	6,138	12,818	14,738	11,775	12,188	10,814	14,373	15,108	18,804
Civilian aircraft	1,528	3,188	6,288	6,813	4,848	7,531	4,147	6,884	7,388	7,517
Other manufactured goods	7,838	16,888	38,888	37,381	32,788	30,887	38,838	28,347	38,834	38,848
Tires and tubes	188	544	511	584	372	304	282	343	315	514
Paper and manufactures	622	1,447	2,831	2,881	2,853	2,553	2,828	2,802	3,180	3,180
Paper and paperboard	628	1,131	2,182	2,182	1,877	1,814	1,722	1,882	2,430	2,430
Nonmetallic mineral mfrs., n.e.c.	475	884	2,208	2,194	1,804	1,770	1,885	1,821	1,888	2,288
Metals and manufactures	2,978	5,881	12,071	10,244	8,243	8,854	8,878	8,288	5,300	6,421
Iron and steel mill products ⁷	1,188	2,882	2,888	2,801	2,101	1,415	1,248	1,152	1,080	1,223
Plates and sheets	335	327	888	888	372	285	284	270	291	382
Tubes, pipes, and fittings	228	1,412	1,080	1,252	1,214	731	808	510	381	438
Silver bullion, refined	31	104	1,327	181	188	88	82	57	78	78
Nonferrous base metals	888	1,080	2,884	1,788	1,808	1,834	1,788	1,185	1,888	1,888
Copper	388	333	434	388	322	388	388	888	882	345
Aluminum	388	433	2,022	1,297	1,028	1,010	880	837	818	1,202
Metal manufactures, n.e.c.	744	1,881	4,205	4,788	3,881	3,443	3,802	3,253	3,888	3,888
Tools for hand or machine	304	480	888	832	810	871	878	888	581	857
Textiles, other than clothing	803	1,824	3,832	3,818	2,784	2,388	2,382	2,388	2,570	2,830
Textile yarn and thread	145	288	783	802	711	833	547	628	673	877
Cotton broad-woven fabrics	108	378	588	253	201	188	301	282	282	282
Textile fabrics, woven, exc. cotton	151	388	832	797	522	430	424	388	488	556
Clothing	188	403	1,183	1,288	831	788	778	754	878	1,143
Professional, scientific, and controlling instruments ⁸	857	1,782	5,288	6,880	8,003	8,855	6,188	6,505	6,732	7,388
Photographic supplies	280	888	1,507	1,801	1,388	1,388	1,484	1,313	1,418	1,472
Printed matter	327	548	1,087	1,297	1,341	1,324	1,381	1,279	1,582	1,582
Other transactions	1,488	3,821	8,488	8,428	8,824	7,888	10,118	10,870	11,811	20,381
Firearms of war and ammunition	882	1,381	2,008	2,185	3,281	2,971	2,971	2,853	2,282	2,258
Estimated shipments ⁹	882	1,572	2,118	2,288	1,547	4,353	5,742	5,795	8,883	8,883

¹ Includes revisions not carried to commodity groups; therefore, commodity groups will not add to total. ² Beginning 1980, includes pulpwood chips, formerly classified in "Other manufactured goods" under "Wood and manufactures." ³ Beginning 1980, includes rubber materials, formerly classified in "Other manufactured goods" under "Rubber manufactures." ⁴ Includes parts for tractors. ⁵ Beginning 1980, includes photocopy apparatus, formerly classified in "Other manufactured goods" under "Photographic and motion picture equipment." ⁶ Excludes parts for tractors. ⁷ Excludes pig iron. ⁸ Beginning 1980, electric measuring and controlling instruments are included in "Other manufactured goods" under "Professional, scientific, and controlling instruments", formerly classified under "Machinery." ⁹ Beginning 1984, includes exports valued \$10,000 and under reported without a valid schedule B commodity number beginning 1985. Includes estimates of export shipments valued under \$1,001.

Source: U.S. Bureau of the Census, U.S. Exports, Schedule E—Commodity by County, FT 410, monthly.

NO. 1377. GENERAL IMPORTS, BY SELECTED COMMODITY GROUPS: 1970 TO 1987

[In millions of dollars. Imports are customs value basis for years 1982 to present; f.a.s. (free alongside ship) value basis prior to 1982. Totals and subtotals include value of commodities not shown separately. Beginning 1980, includes trade of Virgin Islands with foreign countries. "N.s.c." means not elsewhere classified. See also *Historical Statistics, Colonial Times to 1970*, series U 295-316]

COMMODITY	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
General imports	35,852	55,573	244,571	281,305	343,852	358,048	325,738	345,278	388,981	486,801
<i>C.I.T. values¹</i>	<i>42,429</i>	<i>103,389</i>	<i>256,984</i>	<i>273,352</i>	<i>254,884</i>	<i>268,878</i>	<i>341,177</i>	<i>361,626</i>	<i>387,081</i>	<i>424,052</i>
Food and live animals	5,375	8,803	15,768	15,236	14,453	15,412	17,973	16,849	20,802	20,547
Cattle, except for breeding	111	77	228	182	288	301	279	301	428	421
Meat and preparations	1,014	1,141	2,348	1,905	2,075	2,034	2,034	2,237	2,387	2,788
Meat, fresh or frozen	647	640	1,735	1,150	1,525	1,384	1,381	1,533	1,855	1,987
Ham, shoulders, and bacon ²	241	397	338	325	348	368	388			400
Fish, including shellfish	784	1,358	2,612	2,882	3,143	3,584	3,871		4,861	5,580
Fruits and nuts	447	827	1,345		1,774	1,855	2,873	2,717	2,781	
Bananas	188	220	418	542	551	588	627	729	708	773
Vegetables	288	355	802	983	1,042	1,085	1,218	1,261	1,420	1,378
Sugar	725	1,885	1,987	2,142	883	1,045	1,288	538	670	438
Coffee, green	1,180	1,561	3,872	2,822	2,730	2,580	3,084	3,130	4,293	2,708
Cocoa or cacao beans	201	321	385	486	323	348	411	584	418	504
Tea	53	86	131	133	128	132	203	185	133	108
Beverages and tobacco	868	1,418	2,784	3,138	3,384	3,488	3,883	3,727	3,988	4,188
Alcoholic beverages	725	1,033	2,232	2,388	2,519	2,628	2,853			
Tobacco, unmanufactured	111	343	422	427	445	484	625	535	591	588
Crude materials, inedible, except fuels	3,397	5,888	10,518	11,183	5,588	5,888	11,882	10,381	18,422	11,538
Hides and skins, except fur skins	51	78	88	101	71	84	70	74	85	
Fur skins, undressed	58	78	148	168	127		180	173	145	218
Rubber, including latex	231	353	980	980	735	808	1,132	854	921	1,125
Lumber, softwood	438	787	1,884	1,880	1,638	2,588	2,887	2,888	2,984	3,088
Lumber, hardwood	81	88	145	148		127	181	188	153	250
Woodpulp	480	1,032	1,725	1,778	1,485	1,470	1,845		1,804	2,088
Textile fibers and wastes	202	174	242	343	284	312	387		368	438
Wool and other animal hair	115	73	148	210	152	178	211	188	185	251
Industrial diamonds	38	42	118	118		88	108	138	105	
Asbestos, unmanufactured	75	117	87	108	85	88	85	44	27	
Orss and metal scrap	1,148	1,978	3,715	3,838	2,884		2,880	2,331	2,148	2,448
Iron ore and concentrates	488	884	778	851	487	452	534		488	411
Silver ore and base bullion	48	88	342	280	178	242	202	137	190	145
Nonferrous base metals ³	522	783	2,281	1,722	1,552	1,308	1,808		1,820	1,187
Bauxite, crude	185	267	432	443	283	250	311	210	188	234
Mineral fuels and related materials	3,075	24,478	82,824	81,417	85,488	57,882	88,888	82,817	37,318	44,218
Petroleum and products	2,784	24,814	77,837	75,577	58,388	52,325	55,805	48,807	34,140	41,528
Petroleum, crude and partly refined	1,448	19,293	85,717	81,840	45,882	36,888	36,529		22,720	28,321
Petroleum products	1,316	5,521	11,820	13,837		15,516	18,277	16,572	11,101	12,208
Natural gas	288	1,081	5,185	5,720	5,884		4,823	4,138	2,984	2,904
Animal and vegetable oils and fats	188	354	538	473	488	488	888	572		888
Chemicals and related products	1,488	3,888	8,888	9,448	8,483	10,778	13,887	14,833	15,881	16,213
Organic chemicals	385	1,027	2,541	2,874	2,880	3,477	4,285	4,576	4,704	5,488
Inorganic chemicals ⁴	371	835	2,315	2,358	2,845	2,588	3,458	3,401	3,275	3,042
Medicinal and pharmaceutical products	87	235	808	583	583	703	831	1,084	1,240	1,458
Fertilizers, manufactured	182	825	1,104	1,181	883	887	1,142	887	885	
Machinery and transport equipment	11,172	23,457	80,558	88,827	72,328	88,131	118,182	137,354	181,882	177,888
Machinery	5,375	11,970	32,288	38,548	38,457	48,975	88,380	75,288	87,548	
Engines and parts	782	1,615	1,888	2,251	2,811		6,348	8,848	8,482	8,381
Agricultural machinery	173	474	888	838	485		588	577	813	750
Tractors and parts	175	571	1,048	848	757	824		811	1,331	1,487
Office machines and data processing equipment	505	1,052	2,828	3,583		5,788	10,781	11,582		18,482
Metallworking machinery	184	381	1,425	1,813	1,488			2,788	3,248	2,878
Textile and leather machinery	381	518	888	974	884	1,088	1,282	1,105	1,447	1,811
Power machinery	247	550	2,038	2,378	2,547	2,874	7,281	8,848	8,802	10,880
Telecommunications apparatus	1,102	2,077	8,718	8,810	8,051	11,278	15,834	18,858	20,720	20,820
Electron tubes, transistors, semiconductor devices, and parts	224	888	3,582	3,888	4,524	5,388	6,228		6,540	8,218
Transport equipment	5,788	11,487	28,288	31,415	33,883	38,158	80,802		74,013	78,378
Automobiles and parts	5,088	8,821	24,015	28,113	29,218	34,870		48,478	88,201	70,880
Automobiles, new	3,722	7,134	18,778	17,840	19,757		29,208	38,475	45,302	
Motorcycles	307	707	1,148	1,283	1,018	888	731	854	738	437
Aircraft and parts	274	518	1,888	2,585		2,051	3,011	3,578	4,494	4,475
Other manufactured goods	12,888	23,827	58,870	83,471	81,888	88,538	88,825	94,882	106,888	118,838
Leather manufactures and dressed furs	118	132	388	587	523	582	788		808	1,031
Rubber tires and tubes	205	475	1,143	1,331	1,238	1,405	1,838		1,885	2,271
Wood manufactures (excl. furniture)	488	573	1,133	1,188		1,335		780	1,777	2,103
Paper and manufactures	1,087	1,873	3,587	3,874	3,848	4,218	5,571	5,977	6,380	7,310
Newsprint	830	1,427	2,885	2,871		2,788	3,288	3,633		4,118
Construction materials ⁵	108	188	588	885	807	828	940	1,188		1,803
Glass, glassware, and pottery	338	531	1,228	1,348	1,351	1,802	1,488		2,482	2,871
Diamonds, excluding industrial	438	730	2,232	2,188	1,917	2,275	2,805	3,088	3,488	3,483

See footnotes at end of table.

NO. 1376. DOMESTIC EXPORTS, BY SELECTED COMMODITY GROUPS: 1970 TO 1987—Continued

[In millions of dollars. See headnote, p. 793]

COMMODITY GROUP	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Chemicals and related products	3,839	8,891	20,740	21,187	19,990	19,751	22,336	21,799	22,766	26,361
Chemical elements and compounds	1,642	3,623	2,106	2,286	■	■	2,183	1,967	1,771	2,113
Dyeing, tanning, coloring materials	137	244	■	554	494	491	493	■	507	629
Medicinal, pharmaceutical prod.	420	898	1,932	2,195	2,275	2,494	2,628	2,708	■	■
Fertilizers, manufactured	178	1,063	2,265	1,736	1,386	1,267	1,816	2,160	1,836	2,269
Plastic materials and resins ¹	853	1,166	3,864	3,809	3,880	3,732	4,080	3,777	4,301	5,482
Machinery and transport equip	17,862	45,888	84,628	86,736	87,148	82,578	88,973	94,278	86,280	108,896
Machinery ²	11,085	29,215	57,263	54,426	59,821	54,885	61,484	■	■	70,080
Power generating machinery	1,406	3,551	8,428	9,485	9,481	8,718	9,114	9,272	■	10,183
Agricultural machinery	182	704	1,296	1,420	1,127	832	866	864	772	■
Tractors and parts	750	2,126	2,150	2,298	1,700	■	1,821	1,832	1,156	1,290
Electronic computers, parts and accessories	1,236	2,228	7,763	8,741	9,189	10,509	13,461	13,841	14,514	17,485
Other office machines ³	311	411	946	1,089	1,048	1,070	1,131	1,067	■	1,074
Metalworking machinery	398	822	1,758	2,158	1,811	1,121	1,175	1,249	1,467	1,808
Metalcutting machines	213	344	397	574	345	204	217	■	307	332
Textile, leather machinery	273	488	■	693	554	453	520	498	554	651
Construction, excavating, and mining equipment	434	1,277	1,828	■	1,253	766	780	■	713	773
Materials handling equipment	607	1,846	2,243	2,438	1,592	946	911	924	673	684
Air-conditioning and refrigerating equipment	397	928	1,523	■	1,487	1,286	1,309	1,199	1,121	1,336
Pumping equipment, incl. parts	241	543	1,091	1,248	1,249	1,008	1,025	1,000	910	994
Pipe valves and parts	198	458	829	936	854	716	673	■	609	711
Power machinery, switchgear	811	1,709	3,254	3,535	3,624	3,221	3,652	3,361	3,498	■
Generators, generating sets	117	548	619	745	■	376	560	230	307	339
Transforming, converting, transmission apparatus	188	417	914	1,118	1,325	928	896	937	937	1,014
Telecommunications apparatus	890	1,674	3,454	3,659	3,864	3,804	3,943	4,167	4,407	5,086
Radio, television apparatus	578	1,339	2,238	2,525	2,430	590	586	878	618	989
Domestic electrical equipment	119	369	796	841	673	611	626	550	542	742
Transport equipment ⁴	6,197	16,452	27,366	31,310	26,668	27,296	28,509	33,708	34,028	38,000
Railway vehicles	91	482	452	488	433	402	584	426	538	346
Road motor vehicles, parts ⁵	3,245	9,280	12,117	14,739	12,751	■	17,051	19,445	17,895	19,852
Automobiles, nonmilitary, new	822	2,852	3,919	3,919	2,880	4,200	■	6,020	6,264	6,994
Trucks and tractor trucks, commercial, new	452	1,712	1,487	1,618	1,188	1,042	1,888	2,183	1,986	2,243
Parts, accessories, commercial	1,803	3,620	6,056	7,398	6,839	7,831	9,099	9,376	8,492	9,857
Aircraft, parts, and accessories	2,556	6,136	12,816	14,738	11,775	12,199	10,914	14,373	15,106	16,904
Civilian aircraft	1,526	3,169	■	8,619	4,848	7,531	4,147	■	7,308	7,517
Other manufactured goods	7,636	16,882	36,802	37,381	32,799	30,987	36,338	29,347	30,834	26,546
Tires and tubes	186	544	511	684	372	304	392	343	316	514
Paper and manufactures	622	1,447	2,531	2,861	2,653	2,653	2,620	2,329	2,602	3,180
Paper and paperboard	526	1,131	2,162	2,192	1,877	1,843	1,914	1,722	1,892	■
Nonmetallic mineral mtrs., n.e.c.	475	984	2,209	2,194	1,804	1,770	1,866	1,821	1,886	2,289
Metals and manufactures	2,976	5,981	12,071	10,844	6,243	6,964	6,979	6,386	5,200	6,421
■	1,186	2,362	2,996	2,801	2,101	1,416	1,248	1,152	1,020	1,223
Plates and sheets	335	327	936	953	372	295	284	270	291	382
Tubes, pipes, and fittings	226	1,412	1,080	1,252	1,214	731	606	510	391	436
Silver bullion, refined	31	104	1,327	181	106	186	66	62	57	79
Nonferrous base metals	889	1,080	2,884	2,046	1,788	1,806	1,634	1,788	1,189	1,689
Copper	359	333	434	366	322	366	366	289	682	346
Aluminum	369	433	2,022	1,297	1,026	1,010	960	937	816	1,202
Metal manufactures, n.e.c.	744	1,891	4,205	4,799	3,981	3,443	3,802	3,253	3,006	3,834
Tools for hand or machine	804	480	856	992	810	871	878	888	681	857
Textiles, other than clothing	609	1,624	3,632	3,619	2,784	2,398	2,362	2,399	2,570	2,933
Textile yarn and thread	145	298	783	802	711	533	847	629	673	877
Cotton broad-woven fabrics	103	376	■	349	263	201	193	204	301	282
Textile fabrics, woven, exc. cotton	151	388	832	797	522	■	424	399	486	855
Clothing	198	403	1,183	1,306	931	796	776	■	878	1,143
Professional, scientific, and controlling instruments ⁶	857	1,792	5,259	5,980	6,003	5,856	■	6,506	6,732	7,396
Photographic supplies	250	806	1,507	1,501	1,366	1,366	1,464	1,313	1,418	1,472
Printed matter	327	548	1,097	1,297	1,341	1,324	1,391	1,279	1,342	1,562
Other transactions	1,498	3,821	8,486	8,438	6,934	7,009	10,118	16,978	11,911	20,381
Firearms of war and ammunition	682	1,381	2,006	2,165	3,281	3,092	2,971	2,853	■	2,358
Estimated shipments ⁷	892	1,672	2,119	■	■	1,597	4,353	5,742	5,795	6,663

¹ Includes revisions not carried to commodity groups, therefore, commodity groups will not add to total. ² Beginning 1980, includes pulpwood chips, formerly classified in "Other manufactured goods" under "Wood and manufactures." ³ Beginning 1980, includes rubber materials, formerly classified in "Other manufactured goods" under "Rubber manufactures." ⁴ Includes parts for tractors. ⁵ Beginning 1980, includes photocopy apparatus, formerly classified in "Other manufactured goods" under "Photographic and motion picture equipment." ⁶ Excludes parts for tractors. ⁷ Excludes pig iron. ⁸ Beginning 1980, electric measuring and controlling instruments are included in "Other manufactured goods" under "Professional, scientific, and controlling instruments"; formerly classified under "Machinery." ⁹ Beginning 1984, includes exports valued \$10,000 and under reported without a valid schedule B commodity number; beginning 1985, includes estimates of export shipments valued under \$1,001.

Source: U.S. Bureau of the Census, U.S. Exports, Schedule E—Commodity by County, FT 410, monthly.

No. 1377. GENERAL IMPORTS, BY SELECTED COMMODITY GROUPS: 1970 TO 1987

[In millions of dollars. Imports are customs value basis for years 1982 to present; f.a.s. (free alongside ship) value basis prior to 1982. Totals and subtotals include value of commodities not shown separately. Beginning 1980, includes trade of Virgin Islands with foreign countries. "N.e.c." means not elsewhere classified. See also *Historical Statistics, Colonial Times to 1970*, series U 206-316]

COMMODITY	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
General imports.....	38,952	66,573	244,871	281,305	243,952	258,648	325,726	345,276	388,981	405,901
C.I.T. value ¹	42,429	103,389	256,984	273,352	254,884	288,879	341,177	381,628	387,081	424,088
Food and live animals.....	5,375	5,803	15,766	15,339	14,483	15,412	17,973	18,449	20,802	20,847
Cattle, except for breeding.....	111	77	228	182	289	301	279	301	428	421
Meat and preparations.....	1,014	1,141	2,346	1,988	2,075	2,034	2,034	2,237	2,367	2,786
Meat, fresh or frozen.....	847	840	1,758	1,150	1,525	1,384	1,381	1,533	1,855	1,987
Ham, shoulders, and bacon ²	241	387	338	325	349	388	389	438	482	400
Fish, including shellfish.....	704	1,356	2,612	2,982	3,143	3,584	3,671	3,985	4,881	5,580
Fruits and nuts.....	447	827	1,245	1,804	1,774	1,855	2,673	2,717	2,781	3,086
Bananas.....	188	220	416	542	581	589	627	723	709	773
Vegetables.....	289	355	802	983	1,042	1,065	1,218	1,281	1,420	1,378
Sugar.....	725	1,886	1,957	2,142	883	1,048	1,258	936	670	438
Coffee, green.....	1,180	1,581	3,872	2,822	2,730	2,580	3,084	3,130	4,293	2,708
Cocoa or cacao beans.....	201	321	385	488	323	348	411	584	418	504
Tee.....	53	88	131	133	129	132	203	188	133	106
Beverages and tobacco.....	888	1,418	2,784	3,138	3,884	3,488	3,889	3,727	3,888	4,188
Alcoholic beverages.....	725	1,033	2,232	2,389	2,513	2,638	2,863	2,886	3,088	3,288
Tobacco, unmanufactured.....	111	343	422	427	445	484	625	695	581	588
Crude materials, inedible, except fuels.....	3,307	6,886	18,518	11,188	5,888	8,888	11,882	18,381	18,422	11,888
Hides and skins, except fur skins.....	51	78	88	101	71	84	70	74	85	82
Fur skins, undressed.....	58	78	143	188	127	128	180	173	145	218
Rubber, including latex.....	231	353	980	980	735	808	1,132	864	921	1,125
Lumber, softwood.....	438	797	1,984	1,880	1,838	2,880	2,887	2,808	2,984	3,088
Lumber, hardwood.....	81	88	145	148	98	127	181	188	153	250
Woodpulp.....	480	1,032	1,725	1,778	1,485	1,470	1,845	1,488	1,804	2,088
Textile fibers and wastes.....	208	174	342	343	284	312	387	348	358	438
Wool and other animal hair.....	118	73	148	210	152	178	211	188	188	251
Industrial diamonds.....	38	42	119	118	80	88	108	138	105	83
Asbestos, unmanufactured.....	75	117	87	108	85	58	85	44	27	23
ores and metal scrap.....	1,148	1,978	3,715	3,838	2,884	2,488	2,880	2,331	2,148	2,448
Iron ore and concentrates.....	480	884	773	851	487	482	534	488	488	411
Silver ore and base bullion.....	48	88	342	280	178	342	202	137	130	148
Nonferrous base metals ³	522	783	2,281	1,722	1,552	1,308	1,808	1,280	1,020	1,187
Bauxite, crude.....	185	267	432	443	383	280	311	210	188	234
Mineral fuels and related materials.....	3,875	24,478	82,834	81,417	85,488	87,882	88,888	83,817	37,318	44,219
Petroleum and products.....	2,784	24,814	77,837	75,577	88,388	82,325	85,806	48,807	34,140	41,328
Petroleum, crude and partly refined.....	1,448	18,280	65,717	81,840	45,882	36,809	38,529	33,034	22,720	29,321
Petroleum products.....	1,318	5,521	11,920	13,837	13,535	15,518	18,377	18,572	11,101	12,208
Natural gas.....	258	1,081	5,185	5,720	5,834	5,530	4,923	4,136	2,984	2,504
Animal and vegetable oils and fats.....	188	584	533	478	488	485	888	672	518	888
Chemicals and related products.....	1,488	3,888	8,888	8,448	8,488	10,778	12,887	14,833	15,881	18,218
Organic chemicals.....	385	1,027	2,541	2,974	2,980	3,477	4,285	4,576	4,704	5,488
Inorganic chemicals ⁴	371	836	2,313	2,358	2,845	2,588	3,458	3,401	3,278	3,042
Medicinal and pharmaceutical products.....	87	236	808	583	583	703	831	1,084	1,240	1,456
Fertilizers, manufactured.....	192	828	1,104	1,181	983	887	1,142	957	885	1,001
Machinery and transport equipment.....	11,172	23,467	88,888	88,827	73,328	88,181	118,182	137,384	161,882	177,888
Machinery.....	5,378	11,870	32,288	38,546	38,457	48,875	88,380	75,288	87,548	98,433
Engines and parts.....	782	1,815	1,888	2,251	2,811	3,570	6,348	8,848	8,482	8,381
Agricultural machinery.....	173	474	888	838	485	475	588	577	813	750
Tractors and parts.....	175	571	1,048	948	757	924	1,288	811	1,331	1,467
Office machines and data processing equipment.....	505	1,052	2,928	3,583	4,288	6,758	10,781	11,582	14,888	18,462
Metalworking machinery.....	184	381	1,425	1,813	1,488	1,480	2,025	2,758	3,248	2,975
Textile and leather machinery.....	381	518	888	974	824	1,088	1,282	1,105	1,447	1,811
Power machinery.....	247	580	2,088	2,378	2,547	2,874	7,281	8,848	9,802	10,880
Telecommunications apparatus.....	1,102	2,077	8,718	8,810	9,051	11,278	15,934	18,858	20,720	20,820
Electron tubes, transistors, semiconductor devices, and parts.....	224	888	3,882	3,888	4,524	5,388	8,228	6,227	6,540	8,218
Transport equipment.....	5,788	11,487	28,288	31,415	33,883	38,158	50,802	61,885	74,013	78,378
Automobiles and parts.....	5,088	9,821	24,015	28,113	29,218	34,870	45,284	45,476	58,201	70,880
Automobiles, new.....	3,722	7,124	18,778	17,540	19,757	22,834	28,208	38,475	45,302	47,858
Motorcycles.....	307	707	1,148	1,283	1,019	858	731	954	736	437
Aircraft and parts.....	274	519	1,885	2,585	2,481	2,051	3,011	3,578	4,484	4,475
Other manufactured goods.....	13,386	23,927	56,878	83,471	81,388	88,838	88,825	94,882	106,888	118,838
Leather manufactures and dressed furs.....	118	132	388	587	523	982	758	405	808	1,031
Rubber tires and tubes.....	205	475	1,143	1,331	1,238	1,405	1,838	1,923	1,985	2,271
Wood manufactures (incl. furniture).....	408	573	1,128	1,188	981	1,335	1,548	780	1,777	2,108
Paper and manufactures.....	1,087	1,673	3,887	3,874	3,848	4,218	5,571	5,977	8,380	7,310
Newsprint.....	928	1,427	2,885	2,871	2,748	2,758	3,288	3,633	3,882	4,118
Construction materials ⁵	108	188	880	888	807	828	940	1,158	1,358	1,508
Glass, glassware, and pottery.....	338	531	1,228	1,348	1,351	1,802	1,488	2,185	2,482	2,871
Diamonds, excluding industrial.....	438	730	2,252	2,188	1,817	2,875	2,805	3,008	3,488	3,423

See footnotes at end of table.

No. 1377. GENERAL IMPORTS, BY SELECTED COMMODITY GROUPS: 1970 TO 1987—Continued

[In millions of dollars. See footnote, p. 785]

COMMODITY	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Other manufactured goods—Con.										
Metals and manufactures	4,508	8,944	18,717	22,333	19,227	18,717	24,964	23,834	23,616	25,144
Pig iron and ferroalloys	78	558	678	883	428	453	684	488	621	628
Iron and steel mill products	1,952	4,037	8,882	10,347	8,184	8,338	10,208	10,288	8,168	8,483
Bars, rods, shapes, and pilings	486	930	1,420	1,747	1,489	1,307	1,885	1,775	1,803	1,726
Plates and sheets	906	1,880	2,506	2,988	2,542	2,983	4,586	4,237	3,838	4,084
Steel wire	119	225	283	288	242	287	226	436	208	207
Tubes, pipes, and fittings	349	1,008	2,183	4,536	4,488	1,385	2,533	2,445	1,582	1,502
Nonferrous base metals	1,502	2,063	5,182	5,270	4,018	4,785	6,252	7,008	5,753	6,377
Copper	532	419	1,470	1,279	988	1,341	1,512	1,148	1,377	1,551
Nickel	317	456	885	868	588	524	800	804	515	573
Aluminum	236	415	974	1,355	1,338	1,828	2,450	1,985	2,744	2,880
Lead	74	49	81	80	57	85	90	57	81	137
Tin	180	315	778	644	378	453	513	428	343	270
Silver, refined bullion	53	274	1,328	837	786	1,326	846	888	888	480
Platinum group metals	58	244	1,107	742	512	707	1,082	982	1,251	1,148
Metal manufactures, n.e.c.	625	1,788	3,732	4,170	4,294	4,504	5,823	6,580	7,129	8,035
Textiles, other than clothing	1,126	1,219	2,488	3,046	2,807	3,225	4,531	4,800	5,786	6,511
Textile yarn and thread	223	128	194	231	280	355	523	584	688	738
Cotton fabrics, woven	173	218	433	807	488	580	876	887	1,006	1,283
Textile fabrics, woven, exc. cotton ¹	489	433	488	572	533	588	702	100	948	889
Twine and cordage	36	123	114	104	82	87	85	78	86	72
Floor coverings	53	88	283	308	277	332	491	548	608	683
Clothing	1,268	2,562	6,430	7,537	8,185	8,583	13,487	14,848	17,288	20,480
Footwear	829	1,275	2,808	3,019	3,437	4,010	5,034	5,885	6,473	7,236
Professional, scientific, photographic, and controlling instruments ²	356	728	2,654	3,701	3,132	3,528	4,886	3,211	1,588	4,308
Clocks and watches	184	428	1,127	1,275	981	1,058	1,254	1,267	1,338	1,702
Musical instruments, sound recorders and reproducers, and parts ³	505	781	487	621	728	927	1,288	1,794	2,386	2,527
Printed matter	180	284	613	622	684	738	880	1,116	1,376	1,484
Articles of plastic and rubber, n.e.c.	236	429	918	1,008	1,102	1,352	1,881	1,831	2,833	3,484
Toys, games, and sporting goods	427	833	1,886	2,075	2,888	2,412	3,188	4,075	4,520	5,772
Artworks and antiques	182	677	2,872	2,056	2,024	2,017	2,467	2,188	2,081	1,862
Other transactions	1,274	2,518	7,228	7,288	7,788	7,742	9,828	11,141	14,814	12,374

¹ Value on a cost, insurance, and freight basis: cost (to the U.S. importer) of commodities at port of exportation plus insurance and freight to U.S. customs port of entry. 1970 is estimated. ² Carried, cooked, and boned. ³ Prior to 1980, showing is included under chemicals; thereafter, classified in crude materials. ⁴ Materials of lime, cement, and clay. ⁵ Excludes narrow or special fabrics. ⁶ Beginning 1985, electric measuring and controlling instruments are included in "Other manufactured goods" under "Professional, scientific, photographic, and controlling instruments", prior to 1980, classified under "Machinery".

⁷ Beginning 1980, sound recorders included in "Machinery".

Source: U.S. Bureau of the Census, *U.S. General Imports and Imports for Consumption, Schedule A—Commodity by Country*, FT 135, monthly.

No. 1378. IMPORTS FOR CONSUMPTION—VALUES AND DUTIES: 1960 TO 1987

[Imports are on customs value basis. Beginning 1985, includes uranium, thorium, and related products; beginning 1970, includes silver ores and bullion, and beginning 1980, includes trade of Virgin Islands with foreign countries. For basis of dollar values and for area coverage, see text, section 28. See also *Historical Statistics, Colonial Times to 1970*, series U 207-212.]

YEAR	VALUES				Duties calculated ¹ (mil. dol.)	RATIO OF DUTIES TO VALUES		Duties per capita ² (dollar)
	Total (mil. dol.)	Free (mil. dol.)	Dutiable (mil. dol.)	Percent free		Total imports (percent)	Dutiable imports (percent)	
1960	14,650	5,780	8,870	39	1,084	7	12	6.00
1965	21,283	7,434	13,849	35	1,643	8	12	8.46
1970	38,756	13,870	24,886	35	2,584	8	10	12.80
1971	45,516	15,288	30,228	34	2,767	6	8	13.32
1972	55,280	18,915	36,375	34	3,124	6	8	14.88
1973	69,024	28,258	40,766	41	3,620	5	8	17.08
1974	100,140	52,052	48,088	52	3,771	4	8	17.83
1975	96,518	31,030	65,488	32	3,780	4	8	17.50
1976	121,121	37,180	83,931	31	4,875	4	6	21.44
1977	147,075	43,833	103,442	30	5,486	4	5	24.91
1978	¹ 172,912	51,827	121,125	30	7,182	4	6	32.17
1979	² 205,850	103,278	102,645	50	7,202	3	7	31.88
1980	² 244,007	108,992	132,951	45	7,535	3	6	33.09
1981	258,012	76,338	182,674	29	8,880	3	5	38.67
1982	242,340	75,856	166,484	31	8,888	4	5	37.40
1983	258,679	83,397	173,283	32	8,430	4	5	40.21
1984	322,989	102,977	220,012	32	12,042	4	5	50.80
1985	343,553	108,036	237,518	31	13,087	4	6	54.73
1986	366,857	121,742	244,915	33	13,312	4	5	58.10
1987	402,088	132,152	269,914	33	13,823	3	5	67.08

¹ Customs duties (including import excise taxes) calculated on the basis of reports of quantity and value of imports of merchandise entered directly for consumption or withdrawn from bonded customs warehouses. ² Based on estimated population including Armed Forces abroad as of July 1. ³ Total includes revisions not carried to free and dutiable values.

Source: U.S. Bureau of the Census, *Foreign Commerce and Navigation of the U.S. Commerce of the United States; Highlights of U.S. Export and Import Trade*

⁴ *Yearly Summary of Foreign Trade* and unpublished data.

**No. 1379. DOMESTIC EXPORTS AND IMPORTS FOR CONSUMPTION OF MERCHANDISE, BY SELECTED
SIC-BASED PRODUCT CATEGORY: 977 TO 1987**

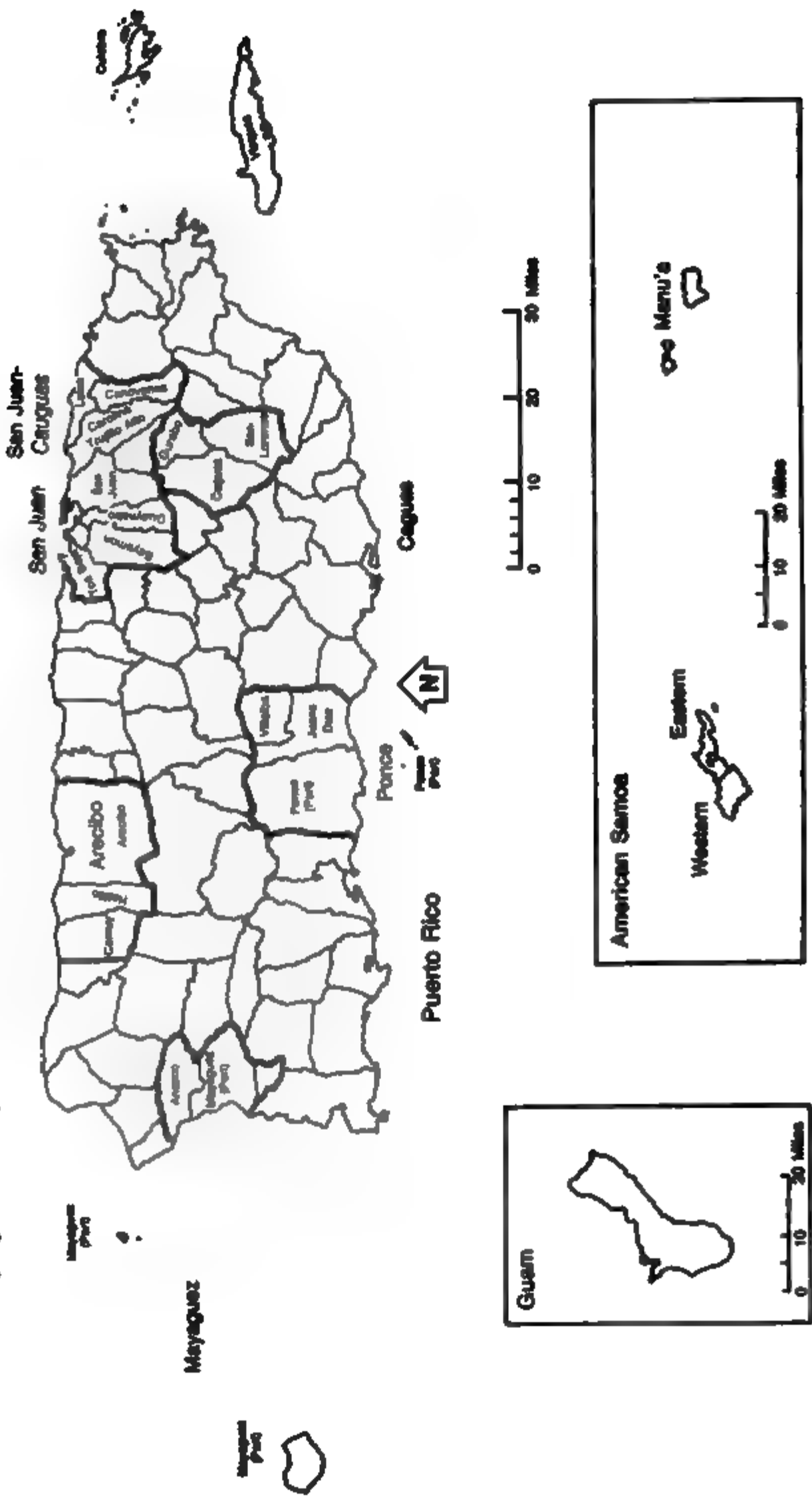
In millions of dollars. Includes nonmonetary gold; beginning 1980, includes trade of U.S. Virgin Islands with foreign countries. For 1977-1981, imports are free alongside ship (f.a.s.) value at foreign port of exportation; thereafter, customs value basis. Beginning 1980, export data are not strictly comparable to previous years due to changes in the Schedule B export classification.

SIC ¹ code	SIC-BASED PRODUCT CATEGORY	1977	1980	1981	1982	1983	1984	1985	1986	1987
(x)	Domestic exports, total ²	117,863	216,862	228,861	207,185	195,888	212,087	208,825	208,376	243,898
(x)	Agricultural, forestry and fishery products	16,756	30,091	31,463	26,486	25,972	27,557	20,073	15,867	17,717
01	Agricultural products	18,217	29,238	30,527	25,828	25,150	26,770	19,199	15,088	16,678
02	Livestock and livestock products	435	715	792	713	689	646	735	740	855
08	Forestry products	79	110	109	111	89	115	122	120	155
09	Fish, fresh or chilled, and other marine products ³	24	28	35	35	34	28	18	20	30
(x)	Mineral commodities	4,206	6,336	9,144	6,620	5,178	6,417	6,394	5,589	5,059
10	Metallic ores and concentrates	480	1,320	892	864	498	644	686	590	597
11	Anthracite coal	27	86	103	59	43	42	66	68	57
12	Bituminous coal and lignite ⁴	2,628	4,529	5,813	5,938	4,013	4,081	4,400	3,854	3,311
13	Crude petroleum and natural gas	310	978	912	762	492	448	476	305	271
14	Nonmetallic minerals, fuels	763	1,415	1,354	1,183	1,129	1,183	787	774	822
(x)	Manufactured commodities	94,870	171,355	184,225	186,376	168,808	173,284	175,750	179,401	208,435
20	Food and kindred products	7,270	12,124	12,933	11,079	11,022	11,067	10,055	11,250	12,320
21	Tobacco manufactures	637	1,091	1,285	1,298	1,196	1,192	1,286	1,522	2,310
22	Textile mill products	1,407	2,488	2,325	1,765	1,569	1,541	1,482	1,853	1,891
23	Apparel and related products	921	1,680	1,851	1,271	1,114	1,065	1,019	1,213	1,518
24	Lumber and related products	2,153	3,885	3,049	2,853	2,852	2,699	2,869	3,018	3,951
25	Furniture and fixtures	231	478	534	583	532	549	483	465	550
26	Paper and allied products	2,452	4,670	4,755	4,210	4,103	4,322	3,885	4,479	5,578
27	Printing and publishing	682	1,115	1,315	1,358	1,323	1,378	1,280	1,298	1,525
28	Chemicals and allied products	10,854	21,095	21,859	20,021	19,888	22,249	21,797	22,582	28,080
29	Petroleum and coal products	1,325	2,849	3,986	6,402	5,325	5,113	5,433	4,228	4,479
30	Rubber and misc. plastics products	1,548	2,675	2,970	2,631	2,634	2,936	2,785	2,941	3,710
31	Leather and leather products	284	510	519	498	457	538	478	521	688
32	Stone, clay, and glass products	1,159	1,922	2,102	1,890	1,778	1,904	1,792	1,723	2,045
33	Primary metal products	2,912	11,491	8,780	5,463	4,892	5,380	4,747	4,903	5,805
34	Fabricated metal products	4,527	8,927	7,947	7,692	6,732	6,530	5,785	5,542	6,185
35	Machinery except electrical	21,448	36,084	42,924	36,920	33,190	37,298	37,478	36,356	41,054
36	Electric and electronic equipment	8,820	18,354	18,392	18,144	18,029	20,164	18,908	20,415	24,369
37	Transportation equipment	18,885	29,205	33,188	29,702	30,854	32,173	38,024	37,977	42,371
38	Instruments and related products	4,513	7,880	8,428	5,371	6,271	6,884	8,623	9,237	10,181
39	Misc. manufacturing	1,599	2,889	2,729	2,209	2,165	1,895	1,773	2,080	2,719
(x)	Imports for consumption, total ²	148,847	239,588	289,319	242,340	266,890	322,999	343,893	289,657	402,895
(x)	Agricultural, forestry and fishery products	9,236	10,536	10,216	9,982	10,743	12,301	12,805	14,753	14,401
01	Agricultural products	8,182	9,531	9,982	8,733	9,857	9,836	7,483	8,792	7,444
02	Livestock and livestock products	482	854	889	749	820	877	933	993	989
08	Forestry products	753	954	985	706	782	975	830	785	933
09	Fish, fresh or chilled, and other marine products ³	1,809	2,337	2,820	2,795	3,295	3,411	3,558	4,183	5,025
(x)	Mineral commodities	38,920	70,717	70,015	53,705	43,573	43,500	39,011	27,780	33,615
10	Metallic ores and concentrates	1,848	2,312	2,297	1,946	1,321	1,636	1,285	1,315	1,130
12	Bituminous coal and lignite ⁴	43	30	30	23	43	44	70	80	56
13	Crude petroleum and natural gas	35,375	65,857	65,581	50,115	40,670	39,862	35,872	24,483	30,643
14	Nonmetallic minerals, exc. fuels	1,853	2,517	2,108	1,821	1,538	1,859	1,804	1,919	1,586
(x)	Manufactured commodities	94,187	150,843	171,355	170,408	194,405	257,843	280,089	314,139	341,142
20	Food and kindred products	6,842	10,361	10,893	9,561	10,334	12,010	12,521	12,521	12,180
21	Tobacco manufactures	46	93	200	227	404	56	78	82	81
22	Textile mill products	1,490	2,023	2,468	2,201	2,584	3,469	3,816	4,138	4,897
23	Apparel and related products	4,393	6,543	7,750	6,432	6,898	13,916	15,710	18,171	21,503
24	Lumber and related products	3,323	3,648	3,643	3,059	4,429	4,838	5,109	5,374	5,959
25	Furniture and fixtures	642	1,083	1,228	1,354	1,795	2,456	3,220	3,997	4,575
26	Paper and allied products	3,586	5,322	5,959	5,343	5,691	7,431	7,493	7,883	9,481
27	Printing and publishing	365	628	839	872	795	1,070	1,200	1,480	1,583
28	Chemicals and allied products	4,412	7,003	7,871	7,855	9,388	11,997	12,790	13,281	14,400
29	Petroleum and coal products	8,758	13,420	15,820	15,643	17,395	21,202	18,282	12,836	13,123
30	Rubber and misc. plastics products	2,188	2,743	3,112	2,937	3,405	4,365	4,721	5,381	6,331
31	Leather and leather products	1,881	3,379	3,873	4,496	5,298	6,788	7,724	8,549	9,930
32	Stone, clay, and glass products	1,385	2,262	2,483	2,398	2,982	3,791	4,296	4,910	5,580
33	Primary metal products	10,067	18,027	20,478	16,813	15,358	22,117	20,439	22,580	19,254
34	Fabricated metal products	2,722	4,399	5,028	5,154	5,273	6,804	7,754	8,478	9,502
35	Machinery except electrical	7,143	14,222	16,381	16,183	18,440	27,621	31,310	38,234	44,808
36	Electric and electronic equipment	9,578	15,451	15,833	20,124	24,626	35,326	37,951	42,734	48,586
37	Transportation equipment	19,232	29,885	33,083	35,883	41,827	54,297	65,944	79,887	84,347
38	Instruments and related products	2,772	4,682	5,538	5,380	6,023	7,729	8,805	10,846	11,547
39	Misc. manufacturing	3,358	5,430	6,595	7,110	7,393	9,714	11,130	12,776	14,885

X Not applicable. ¹ Standard Industrial Classification. ² Includes scrap and waste, used or secondhand merchandise, and manufactured commodities not identified by kind. ³ Includes anthracite. ⁴ Includes brown and packaged fish.

Source: U.S. Bureau of the Census, *Highlights of U.S. Export and Import Trade*, FT 980.

Figure 30.1
Selected U.S. Outlying Areas Map.





Section 30

Outlying Areas

This section presents summary economic and social statistics for Puerto Rico, Virgin Islands, Guam, American Samoa, and the Northern Mariana Islands.

Primary sources are the decennial censuses of population and housing, and the censuses of agriculture, business, manufactures, and construction (taken every five years) conducted by the Bureau of the Census; the annual *Vital Statistics of the United States*, issued by the National Center for Health Statistics; and the annual *Income and Product* of the Puerto Rico Planning Board, San Juan.

Jurisdiction.—The United States gained jurisdiction over these areas as follows:

The islands of *Puerto Rico* and *Guam*, surrendered by Spain to the United States in October 1898, were ceded to the United States by the Treaty of Paris, ratified in 1899. Puerto Rico became a Commonwealth on July 25, 1952, thereby achieving a high degree of local autonomy under its own constitution. The *Virgin Islands*, comprising 50 islands and cays, was purchased by the United States from Denmark in 1917. *American Samoa*, a group of 7 islands, was acquired by the United States in accordance with a convention among the United States, Great Britain, and Germany, ratified in 1900 (Swains Island was annexed in 1925).

By an agreement approved by the Security Council and the United States the Northern Mariana Islands, previously under Japanese mandate, was administered by the United States between 1947 and 1966 under the United Nations trusteeship system. The Northern Mariana Islands became a Commonwealth in 1962.

For a brief summary of U.S. territorial development, see table 332.

Censuses.—Because characteristics of the outlying areas differ, the presentation of census data for them is not uniform. The 1950 Census of Population covered all of the places listed above except the Northern Mariana Islands (their census was conducted in April 1958 by the Office of the High Commissioner), while the 1950 Census of Housing also excluded American Samoa. The 1970 and 1980 Censuses of Population and Housing covered all five areas. The 1959, 1969, and 1979 Censuses of Agriculture covered Puerto Rico, American Samoa, Guam, and the Virgin Islands; the 1964, 1974, and 1982 censuses covered the same areas except American Samoa; and the 1978 census included the Northern Mariana Islands. Beginning in 1967, Congress authorized the economic censuses, to be taken at 5-year intervals, for years ending in 2 and 7. Prior economic censuses were conducted in Puerto Rico for 1954, 1958, and 1963, and in Guam and the Virgin Islands for 1958 and 1963. In 1967, the census of construction industries was added for the first time in Puerto Rico; in 1972 Virgin Islands and Guam were covered. Beginning in 1982, the economic censuses covered the Northern Mariana Islands.

Information in other sections.—In addition to the statistics presented in this section, other data are included as integral parts of many tables showing distribution by State in various sections of the Abstract. See "Outlying areas of the United States" in the index. For definition and explanation of terms used, see section 1, Population; section 4, Education; section 23, Agriculture; section 26, Construction and Housing; section 27, Manufactures; and section 28, Domestic Trade and Services.

NO. 1380. ESTIMATED RESIDENT POPULATION, BY AREA: 1950 TO 1987

[In thousands. As of July 1. Includes estimates of Armed Forces stationed in area]

AREA	1950	1960	1970	1975	1980	1985	1989	1987
Puerto Rico.....	2,216	2,362	2,716	2,933	3,306	3,282	3,273	3,282
American Samoa.....	18	30	27	30	32	38	37	38
Guam.....	60	86	86	102	107	124	127	130
Virgin Islands.....	27	32	66	84	96	111	110	108
Northern Mariana Islands ¹	(NA)	(NA)	12	15	17	19	20	21

NA Not available. ¹ Data consistent with apportionment census of September 1973 which showed a total population of 14,389 for the Marianas.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-55, Nos. 60, 88, 94, and 1,000.

Outlying Areas

No. 1381. ESTIMATES OF COMPONENTS OF POPULATION CHANGE, BY AREA: 1970 TO 1980 AND 1980 TO 1987

(In thousands, except percent. Resident population, including Armed Forces stationed in area. See table 1352 for population totals. Minus sign (-) indicates decrease. For explanation of methodology, see source)

AREA	APRIL 1, 1979 TO APRIL 1, 1980					APRIL 1, 1980 TO JULY 1, 1987				
	Net change		Births	Deaths	Net migration ¹	Net change		Births	Deaths	Net migration ¹
	Number	Per cent				Number	Per cent			
Puerto Rico	484.5	17.9	744.0	193.7	-65.9	95.0	-3.0	482.0	190.0	-227.0
American Samoa	5.1	18.9	10.8	1.4	-4.1	-8.1	19.0	9.8	1.1	-2.4
Guam	21.0	24.7	30.7	4.1	5.7	24.4	23.1	22.5	3.2	5.2
Virgin Islands	34.1	54.8	38.6	5.0	12.5	8.5	8.8	17.7	3.8	-4.4
Northern Mariana Islands ²	4.6	37.5	5.3	.9	(?)	3.5	21.1	4.9	.8	(?)

¹ Includes error of closure (the amount necessary to make the components of change add to the net change between censuses). ² See footnote 1, table 1380. ³ Migration is derived as a residual. Because part of the residual migration in these areas reflects under-registration of vital statistics, migration figures are not shown.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, Nos. 943 and 1030.

No. 1382. POPULATION AND MEDIAN AGE, BY AREA AND SEX: 1960 TO 1980

(As of April 1. For definition of median, see Guide to Tabular Presentation)

AREA AND SEX	POPULATION (1,000)			MEDIAN AGE (years)			AREA AND SEX	POPULATION (1,000)			MEDIAN AGE (years)		
	1960	1970	1980	1960	1970	1980		1960	1970	1980	1960	1970	1980
Puerto Rico	2,348.5	2,712.0	3,195.5	18.5	21.8	24.8	Guam	67.0	85.0	106.0	20.8	20.4	22.3
Male	1,162.8	1,329.9	1,556.7	18.0	20.9	23.7	Male	39.2	47.3	55.3	22.9	21.8	22.4
Female	1,185.8	1,382.2	1,638.8	18.9	22.2	25.5	Female	27.8	37.7	50.7	18.5	18.2	22.1
American Samoa	20.1	27.2	32.3	16.2	18.1	18.8	Virgin Islands	32.1	62.5	96.6	20.7	23.0	22.5
Male	10.2	13.7	16.4	14.6	16.1	18.4	Male	15.9	31.3	46.2	20.3	23.1	21.1
Female	9.9	13.5	15.9	15.8	18.1	19.2	Female	16.2	31.3	50.4	21.2	23.0	23.6
							No. Mariana Is.	(NA)	9.6	18.8	(NA)	15.2	19.7
							Male	(NA)	4.9	8.8	(NA)	15.4	20.9
							Female	(NA)	4.7	8.0	(NA)	15.0	18.5

NA Not available.

Source: U.S. Bureau of the Census, *Census of Population: 1960*, vol. 1; 1970, Vol. 1, *Characteristics of the Population*, parts 53-58; and 1980, Vol. 1, Chapter 8, *Characteristics of the Population*, parts 53-57a.

No. 1383. POPULATION, BY PLACE OF BIRTH AND YEAR OF IMMIGRATION—AREA: 1980

(As of April 1)

ITEM	Guam	Virgin Islands	American Samoa	Northern Mariana Islands
Total resident population ¹	106,879	38,882	33,297	16,789
Born in this area	52,113	43,234	16,588	11,863
Percent of total	48.2	44.9	57.5	71.5
Born in the United States	22,990	11,884	2,198	863
Born in other outlying areas	3,582	4,969	94	2,074
Born in Asia	22,646	540	289	1,915
Born outside this area	50,586	² 30,731	13,442	4,823
Immigrated:				
1975-1980	32,189	7,080	7,189	2,916
1970-1974	6,782	7,064	2,716	1,027
1960-1969	8,342	13,588	2,408	389
Before 1960	3,312	3,031	1,154	282

¹ Includes persons born elsewhere and place of birth not reported. ² Excludes 4,963 persons born in Puerto Rico, 11,884 born in the United States; and 282 born abroad of American parents.

Source: U.S. Bureau of the Census, *1980 Census of Population*, Vol. 1, Chapters C and D, parts 54-57a.

NO. 1384. LAND AREA AND POPULATION CHARACTERISTICS, BY AREA: 1980

(As of April 1. See also table 332, for gross area (land and water). For definition of median, see Guide to Tabular Presentation)

Item	Puerto Rico	Guam	Virgin Islands	American Samoa	Northern Mariana Islands
Land area (sq. miles)	3,468	209	132	77	184
Total resident population	2,198,630	168,879	96,298	32,297	19,760
Per square mile	634.1	807.1	731.8	418.4	81.2
Percent increase, 1970-1980	17.9	24.7	54.6	18.9	74.1
Urban	2,134,385	41,875	37,730	5,880	2,879
Rural	1,062,155	64,104	58,568	26,417	14,102
Male	1,556,727	55,321	46,304	18,384	8,917
Female	1,638,793	50,855	50,385	15,913	7,983
Males per 100 females	94.9	108.2	91.7	103.0	110.7
Median age (years)	24.8	22.3	22.5	18.8	19.7
Male (years)	23.7	22.4	21.1	18.4	20.9
Female (years)	25.5	22.1	23.6	19.2	18.5
Persons 25 years old and over	1,577,662	48,888	44,888	12,184	6,780
School years completed:					
Elementary: 0-8 years	753,742	9,973	15,997	4,360	2,888
High school:					
1-3 years	200,208	6,157	6,475	2,697	851
4 years or more	332,770	14,893	11,543	3,108	1,543
College	280,901	16,123	10,971	2,018	1,480
Marital status, persons 15 years old and over	2,187,246	99,627	91,791	19,888	9,976
Single	813,024	20,875	22,376	7,405	3,462
Married ¹	1,320,189	44,041	32,204	10,571	5,977
Widowed or divorced	254,029	4,291	7,211	1,113	536
Households and families:					
Population in households	3,178,511	101,000	95,946	31,983	16,234
Number of households	838,585	24,634	28,329	4,513	3,028
Population per household	4.99	4.07	3.36	7.08	5.36
Families	783,939	21,780	20,855	4,287	2,852
Married-wife families	580,328	16,473	13,812	3,475	2,113

¹ Includes consensually married couples and separated couples.

Source: U.S. Bureau of the Census, 1980 Census of Population, vol. 1, Chapters C and D, pts. 53-57e and unpublished data.

NO. 1385. VITAL STATISTICS—SPECIFIED AREAS: 1960 TO 1986

(Births, deaths, and infant deaths by place of residence; marriages and divorces by place of occurrence. Rates for 1980, 1970, and 1960 based on population enumerated as of April 1; for all other years, on population estimated as of July 1)

Area and Year	Births		Deaths		Infant Deaths		Marriages		Divorces ¹	
	Number	Rate ²	Number	Rate ²	Number	Rate ²	Number	Rate ²	Number	Rate ²
Puerto Rico:										
1960	76,914	32.5	15,781	6.7	3,307	43.3	30,212	48.8	5,218	2.2
1970	87,628	34.8	18,080	6.7	1,930	28.6	29,905	11.0	9,888	3.8
1975	89,702	25.8	17,806	6.1	1,335	19.2	32,731	11.2	12,985	4.4
1980	72,985	22.8	20,413	6.4	1,351	18.5	33,187	10.4	15,276	4.8
1981	71,300	21.8	21,086	6.5	1,318	18.5	31,862	9.8	14,247	4.4
1982	68,258	21.2	21,427	6.6	1,167	17.1	30,799	8.4	14,084	4.3
1983	65,859	20.1	21,377	6.5	1,131	17.2	29,487	9.0	13,164	4.0
1984	63,247	19.3	21,818	6.8	987	15.6	28,489	9.0	13,688	4.2
1985	63,547	19.4	23,071	7.0	944	14.9	30,355	9.2	14,888	4.5
1986	63,479	19.4	23,162	7.1	889	13.7	NA	(NA)	(NA)	(NA)
Guam:										
1960	2,523	32.8	338	4.4	82	32.5	471	6.2	53	.7
1970	2,842	28.8	355	5.8	62	21.6	874	9.9	64	1.0
1975	3,158	30.9	427	4.2	65	20.6	1,081	18.2	198	1.8
1980	2,945	27.8	393	3.7	49	14.6	(NA)	(NA)	(NA)	(NA)
1981	2,949	26.8	388	3.5	30	10.2	(NA)	(NA)	(NA)	(NA)
1982	2,854	25.7	428	3.9	29	9.8	(NA)	(NA)	(NA)	(NA)
1983	3,152	27.1	442	3.8	29	9.2	(NA)	(NA)	(NA)	(NA)
1984	2,904	25.0	409	3.4	26	8.7	(NA)	(NA)	(NA)	(NA)
1985	3,049	24.8	415	3.4	35	11.5	(NA)	(NA)	(NA)	(NA)
1986	3,278	25.8	429	3.4	29	8.9	(NA)	(NA)	(NA)	(NA)
Virgin Islands:										
1960	1,180	36.8	332	10.3	42	35.6	358	11.1	135	4.2
1970	2,898	46.8	489	7.9	72	24.6	1,148	18.4	270	4.3
1975	2,972	25.1	477	5.0	82	26.1	1,084	11.3	363	3.7
1980	2,504	25.9	504	5.2	81	24.4	1,112	11.5	478	4.9
1981	2,442	24.8	547	5.5	56	22.5	1,082	11.0	408	4.1
1982	2,508	24.7	498	4.8	49	19.5	1,311	12.8	335	3.3
1983	2,584	24.9	484	4.7	54	20.9	1,341	12.9	313	3.0
1984	2,432	22.8	471	4.4	55	22.6	1,407	13.1	352	3.3
1985	2,375	21.4	506	4.6	42	17.7	1,448	13.1	363	3.3
1986	2,257	20.6	476	4.3	39	12.4	(NA)	(NA)	(NA)	(NA)

NA Not available. ¹ Per 1,000 population. ² Per 1,000 live births. ³ Includes reported abortions.⁴ Data are incomplete.

Source: U.S. National Center for Health Statistics, Vital Statistics of the United States, annual.

NO. 1386. SCHOOL ENROLLMENT AND EMPLOYMENT STATUS, 1980, AND PERCENT DISTRIBUTION BY FAMILY INCOME CLASS, 1979, BY AREA

ITEM	Puerto Rico ¹	Guam	Virgin Islands	American Samoa	North- ern Mariana Islands
SCHOOL ENROLLMENT, 1980					
Total enrolled, 3 years old and over	971,592	38,802	34,934	12,842	5,479
Elementary (grades 1-8), total ²	616,438	22,338	25,642	8,886	4,102
Public	542,955	20,061	20,576	7,452	3,576
Private	73,483	3,242	5,066	1,243	526
High school (4 years), total	220,477	6,892	7,275	3,224	1,281
Public	200,118	7,590	5,866	2,759	1,149
Private	20,359	962	1,419	465	132
College, total	134,677	4,137	2,917	923	88
Public	103,650	3,866	1,897	631	60
EMPLOYMENT STATUS, 1980					
Total persons, 16 years old and over	2,114,673	88,773	59,310	18,319	9,589
in labor force	868,856	44,484	38,082	8,329	6,102
Percent of total	41.1	50.6	64.2	45.5	63.6
Armed Forces	4,137	10,125	64	21	13
Civilian labor force	865,719	34,359	37,963	8,308	6,089
Employed	733,922	32,802	35,652	8,106	5,941
Unemployed	131,797	1,987	2,346	202	148
Percent of civilian labor force	15.2	4.9	6.2	2.4	2.4
Not in labor force	1,244,817	22,289	21,228	9,990	3,487
FAMILY INCOME, 1979					
Families, 1980	757,645	21,700	20,855	4,287	2,882
Percent distribution, by income class	100.0	100.0	100.0	100.0	100.0
Less than \$1,000	11.3	2.1	3.2	6.1	4.4
\$1,000-\$2,499	12.4	1.7	3.4	4.3	5.9
\$2,500-\$4,999	19.7	3.7	7.8	14.2	17.8
\$5,000-\$7,499	17.5	6.6	14.3	18.8	16.1
\$7,500-\$9,999	10.9	9.8	12.4	12.9	13.7
\$10,000-\$14,999	13.3	21.1	19.8	18.4	18.9
\$15,000-\$24,999	10.3	28.4	22.3	16.7	14.7
\$25,000 or more	4.6	28.6	16.7	10.7	10.4
Median income ³ (dol.)	5,923	16,888	11,014	6,515	⁴ 9,589

¹ Data based on sample and subject to sampling variability, see Appendix III. ² Includes nursery and kindergarten.
³ For definition of median, see Guide to Tabular Presentation. ⁴ Excludes those with no income.
Source: U.S. Bureau of the Census, 1980 Census of Population, Vol. 1, Chapters C and D, pts 53-57a and unpublished data.

NO. 1387. FEDERAL DIRECT PAYMENTS FOR INDIVIDUALS BY SELECTED PROGRAM AND OUTLYING AREA: 1986 AND 1987

[In thousands of dollars. For fiscal years ending September 30]

PROGRAM PAYMENTS	1986				1987			
	Puerto Rico	Guam	Virgin Islands	American Samoa	Puerto Rico	Guam	Virgin Islands	American Samoa
Total	2,675,525	86,134	20,983	2,968	2,647,383	79,153	79,526	16,999
Pell Grants	282,888	758	579	172	277,214	2,081	626	248
Medicare: Hospital insurance	134,211	1,632	3,573	-	136,933	1,665	3,645	-
Supplemental medical insurance	119,503	1,270	2,123	-	141,778	1,507	2,518	-
Social Security: Disability insurance	493,697	1,328	3,815	1,256	507,087	1,559	4,396	1,419
Retirement insurance	842,983	7,318	25,442	2,886	883,892	8,005	27,078	3,211
Survivors insurance	347,922	4,605	8,318	2,679	367,637	5,014	8,843	2,783
Veterans: Pension and disability	226,162	2,744	819	1,332	247,496	2,971	736	1,184
Education assistance	4,227	447	16	297	4,773	361	30	176
Federal retirement and disability	129,597	25,555	7,478	833	141,885	26,914	7,960	1,581
Food Stamps	¹ 617,786	16,994	21,642	-	¹ 651,094	14,982	19,376	-
Other	94,335	3,515	22,178	66	139,192	5,074	4,328	67

- Represents or rounds to zero. ¹ Food stamp program in Puerto Rico was replaced by the Nutritional Assistance Grant Program. Figures shown represent grants to State and local governments, not included in totals.

Source: U.S. Bureau of the Census, *Federal Expenditures by State for Fiscal Year*, annual.

No. 1388. PUERTO RICO—SUMMARY: 1960 TO 1967

ITEM	Unit	1960	1970	1975	1980	1982	1983	1984	1985	1986	1987
POPULATION											
Total ¹	1,000	2,380	2,722	2,939	3,197	3,282	3,285	3,289	3,282	3,273	3,282
Persons per family	Number	4.6	4.6	4.4	4.3	4.2	4.2	4.1	4.1	4.1	4.1
EDUCATION ²											
Enrollment, total	1,000	737.8	925.8	977.9	1,028.2	1,044.3	1,064.6	1,089.5	1,055.6	1,075.0	(NA)
Public day school	1,000	573.4	672.3	704.1	718.1	711.7	708.7	701.9	692.9	686.9	679.5
Other public	1,000	78.4	103.9	83.7	85.6	95.8	³ 98.2	³ 104.7	³ 99.7	³ 100.9	(NA)
Private schools	1,000	63.3	92.3	95.7	99.4	102.4	107.8	102.7	107.3	130.4	121.3
College and university	1,000	24.5	57.3	94.4	127.0	134.5	151.9	160.2	155.7	156.8	158.6
Expenses	Mill. dol.	87.4	288.8	427.7	818.1	988.9	1,019.5	1,085.7	1,135.8	1,168.8	1,227.5
As percent of GNP	Percent	5.2	6.2	6.0	7.4	7.8	7.9	7.7	7.7	7.4	7.2
Public	Mill. dol.	74.1	254.6	334.8	612.2	729.8	737.8	782.2	810.2	814.4	847.9
Private	Mill. dol.	13.3	34.2	92.9	205.9	260.3	281.8	303.5	325.6	354.4	379.6
LABOR FORCE ⁴											
Total ⁵	1,000	625	785	825	907	918	919	952	984	977	1,013
Employed ⁶	1,000	542	688	699	753	719	703	743	758	777	834
Agriculture ⁷	1,000	126	68	48	40	35	37	40	38	40	35
Manufacturing	1,000	81	132	130	143	134	131	142	138	140	152
Trade	1,000	97	128	134	138	141	138	145	147	149	159
Government	1,000	62	106	143	184	171	170	177	180	180	197
Unemployed	1,000	82	79	125	154	199	218	209	206	200	179
Unemployment rate ⁸	Rate	13	10	15	17	22	23	22	21	21	16
Compensation of employees	Mill. dol.	928.9	2,800.2	4,838.2	7,217.8	7,972.3	8,080.4	8,762.2	9,260.7	9,772.5	10,565.2
Avg. compensation	Dollar	1,711	4,062	6,822	8,564	11,069	11,496	11,820	12,204	12,577	12,868
Salary and wages	Mill. dol.	872.0	2,554.5	4,320.9	6,341.0	6,984.2	7,055.8	7,678.9	8,088.0	8,485.5	9,217.3
INCOME ⁹											
Personal income:											
Current dollars	Mill. dol.	1,374	3,753	6,861	10,832	12,689	12,685	13,537	14,330	15,127	15,980
Constant (1964) dollars	Mill. dol.	1,240	2,654	3,381	3,947	3,934	3,827	4,126	4,163	4,338	4,531
Disposable personal income:											
Current dollars	Mill. dol.	1,334	3,665	6,480	10,333	11,969	11,936	12,775	13,502	14,199	14,836
Constant (1964) dollars	Mill. dol.	1,204	2,521	3,184	3,730	3,711	3,588	3,808	3,823	4,035	4,236
Average family income:											
Current dollars	Dollar	2,616	6,366	10,368	14,762	16,367	16,339	17,093	17,933	18,913	19,947
Constant (1964) dollars	Dollar	2,544	4,503	5,104	5,315	5,078	4,927	5,184	5,211	5,424	5,654
SAVINGS ¹⁰											
Assets	Mill. dol.	705	3,322	6,642	10,223	15,806	16,435	19,988	21,208	22,534	26,101
Debts	Mill. dol.	835	2,546	6,930	13,399	18,701	24,098	(NA)	(NA)	(NA)	(NA)
Personal checking	Mill. dol.	(NA)	1,999	5,714	11,206	16,640	21,817	(NA)	(NA)	(NA)	(NA)
Personal savings	Mill. dol.	(NA)	84	186	423	800	759	(NA)	(NA)	(NA)	(NA)
Government accounts	Mill. dol.	(NA)	454	1,049	1,770	1,391	1,422	(NA)	(NA)	(NA)	(NA)
TOURISM ¹¹											
Number of visitors	1,000	347.4	1,088.4	1,329.1	1,627.3	1,563.7	1,529.8	1,496.4	1,544.9	1,572.6	1,871.3
Visitor expenditures	Mill. dol.	58.1	235.4	372.7	615.0	699.2	690.8	661.2	722.8	745.7	893.0
Average per visitor	Dollar	167	216	280	378	447	452	445	468	474	477
Net income from tourism	Mill. dol.	19.4	88.6	117.2	199.3	218.0	219.9	220.4	(NA)	(NA)	(NA)

NA Not available ¹ 1960, 1970, and 1980 enumerated as of April 1, all other years estimated as of July 1 ² Enrollment for the first school month. Expenses for school year ending in year shown. ³ Includes adult education. ⁴ Annual average of monthly figures. For fiscal years. ⁵ Beginning 1960, for population 16 years old and over; 1960-1975, for population 14 years and over. ⁶ Includes other employment, not shown separately. ⁷ Includes forestry and fisheries. ⁸ Percent unemployed of the labor force. ⁹ For fiscal years. ¹⁰ As of June 30.

Source: Puerto Rico Planning Board, San Juan, PR, *Income and Product*, annual, and *Socioeconomics Statistics*, annual.

No. 1389. PUERTO RICO—EMPLOYMENT STATUS, 1960 TO 1967, AND BY SEX, 1967

[In thousands of persons 14 years old and over except, beginning 1960, 16 years old and over. Annual averages for calendar years of the civilian noninstitutional population]

EMPLOYMENT STATUS	1960	1970	1975	1980	1982	1983	1984	1985	1986	1987		
										Total	Male	Female
Total	1,368	1,743	1,983	2,115	2,216	2,251	2,273	2,293	2,303	2,310	1,081	1,229
In the labor force	835	777	826	916	912	942	958	966	996	1,019	645	374
Employed	558	693	676	758	704	722	759	758	809	845	520	325
Working	525	657	630	712	664	683	719	710	766	804	486	308
35 hours or more	¹ 406	589	489	535	470	488	521	506	579	570	363	210
Less than 35 hours	² 119	68	175	177	194	195	198	203	186	235	123	98
Not working	33	35	46	48	40	39	40	47	41	44	22	22
Unemployed	77	84	150	158	208	220	199	211	186	171	125	46
Percent	12.1	10.7	16.1	17.0	22.8	23.4	20.7	21.8	18.9	16.8	19.4	12.4
Not in labor force	734	966	1,157	1,200	1,303	1,309	1,315	1,324	1,306	1,291	436	655

¹ 30 hours or more. ² Less than 30 hours.

Source: Puerto Rico Dept. of Labor and Human Resources, Bureau of Labor Statistics, San Juan, PR.

No. 1390. PUERTO RICO—GROSS PRODUCT BY MAJOR INDUSTRIAL SECTOR: 1971 TO 1987

[In millions of dollars. For fiscal years ending June 30]

ITEM	1971	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
Gross product	5,252	7,184	10,061	11,874	12,190	12,837	12,833	14,810	14,805	16,235	17,829
Agriculture	177	271	355	394	377	395	396	343	348	336	402
Manufacturing	1,334	2,371	4,471	5,323	5,786	6,017	6,483	7,286	7,758	8,555	9,532
Contract construction and mining ¹	486	482	369	370	410	355	322	306	337	327	409
Transportation ²	482	767	1,098	1,235	1,303	1,541	1,487	1,880	1,585	1,788	1,877
Trade	967	1,377	2,124	2,277	2,486	2,471	2,417	2,785	2,933	3,111	3,464
Finance, insurance, real estate	874	975	1,452	1,589	1,711	1,947	2,197	2,383	2,485	2,743	3,011
Services	552	805	1,176	1,316	1,443	1,542	1,620	1,761	1,853	1,991	2,178
Government	736	1,334	1,708	1,886	2,051	1,952	2,029	2,173	2,345	2,444	2,579
Commonwealth	658	1,145	1,488	1,573	1,733	1,675	1,723	1,849	1,985	2,077	2,291
Municipalities	80	189	301	323	318	277	306	324	350	367	387
Rest of the world	-407	-1,043	-2,725	-3,408	-3,633	-3,788	-4,055	-4,812	-4,878	-5,441	-6,677
Statistical discrepancy	234	-135	44	70	272	195	57	-35	33	252	157

¹ Mining includes only quarries. ² Includes other public utilities.Source: Puerto Rico Planning Board, San Juan, PR, *Economic Report of the Governor, 1988-87*.

No. 1391. PUERTO RICO—NET INCOME, BY INDUSTRIAL ORIGIN: 1970 TO 1987

[In millions of dollars. For fiscal years ending June 30]

INDUSTRY	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
All industries	3,982	6,084	9,213	9,847	10,350	10,640	11,534	12,149	12,861	13,882
Agriculture	178	315	466	430	480	422	395	385	395	452
Manufacturing	958	1,967	4,809	5,220	5,406	5,735	6,485	6,984	7,631	8,785
Chemicals and allied products	166	561	1,583	1,788	1,908	2,269	2,341	2,686	2,858	3,737
Metal products and machinery	192	484	1,454	1,721	1,828	1,753	2,164	2,284	2,544	2,967
Food and related products	161	285	549	646	682	585	754	834	888	1,083
Apparel and related products	172	206	361	374	375	408	462	408	410	421
Other manufacturing	324	452	860	894	613	740	774	784	823	877
Mining	7	5	9	9	9	297	293	320	308	380
Contract construction	338	406	339	377	320					
Transp. and other public utilities ¹	342	629	1,003	1,083	1,213	1,192	1,263	1,197	1,361	1,482
Trade	631	970	1,621	1,743	1,770	1,748	2,011	2,097	2,237	2,405
Finance, insurance, and real estate	504	803	1,346	1,432	1,603	1,872	1,997	2,071	2,285	2,567
Services	448	685	1,130	1,255	1,344	1,400	1,531	1,625	1,749	1,809
Commonwealth Government ²	610	1,334	1,886	2,051	1,952	2,029	2,173	2,345	2,444	2,579
Rest of the world	-347	-1,043	3,406	-3,633	-3,788	4,055	-4,812	4,878	-5,441	6,677

¹ Includes radio and television. ² Includes public enterprises, not elsewhere classified.Source: Puerto Rico Planning Board, San Juan, PR, *Economic Report of the Governor, 1988-87*.

No. 1392. PUERTO RICO—TRANSFERS BETWEEN FEDERAL AND STATE GOVERNMENTS AND OTHER NONRESIDENTS: 1971 TO 1987

[In million of dollars. For fiscal years ending June 30]

ITEM	1971	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total receipts	488	1,239	2,362	2,574	2,787	3,157	3,221	3,492	3,549	3,789	3,945
Federal government	376	1,184	2,247	2,447	2,681	3,003	3,023	3,173	3,267	3,625	3,838
Transfers to individuals ¹	355	1,141	2,181	2,369	2,609	2,915	2,833	3,080	3,263	3,553	3,540
Veterans benefits	83	178	202	223	231	274	289	303	324	338	342
Medicare	24	41	82	116	137	163	184	196	220	266	273
Old age, disability, survivors	227	486	895	1,041	1,191	1,348	1,423	1,526	1,561	1,658	1,743
Nutritional assistance	(0)	396	821	812	880	898	776	765	780	791	804
Industry subsidies	19	31	47	55	48	58	56	55	61	37	62
Private institutions	4	12	19	21	25	29	34	28	33	35	37
U.S. State governments	8	19	14	13	18	15	15	16	17	15	15
Other nonresidents	15	25	100	114	90	140	183	213	188	149	182
Total payments	270	887	792	848	924	961	980	1,112	1,188	1,273	1,339
Federal government ¹	270	882	786	841	914	950	973	1,087	1,145	1,255	1,328
Old age, disability, survivors	189	364	517	649	689	700	708	784	848	886	988
Medicare	8	10	18	21	25	31	38	45	44	47	53
Unemployment insurance	40	79	119	129	148	165	187	183	188	240	213
Other nonresidents	(2)	5	7	7	8	10	13	26	35	18	13
Net balance	130	631	1,570	1,726	1,864	2,196	2,239	2,289	2,360	2,517	2,607

X Not applicable. Z Less than \$500,000. ¹ Includes other receipts and payments, not shown separately.Source: Puerto Rico Planning Board, San Juan, PR, *Economic Report of the Governor, 1988-87*.

No. 1393. PUERTO RICO—EMPLOYEES AND PAYROLL, BY INDUSTRY: 1980 TO 1986

[Excludes employees of establishments totally exempt from the Federal Insurance Contributions Act: government workers, railroad employment jointly covered by Social Security and railroad retirement programs, self-employed persons, domestic service, agriculture production employees, and employees on oceanborne vessels or in foreign countries]

SIC ¹ code	INDUSTRY	EMPLOYEES ²				ANNUAL PAYROLL (mil. dol.)			
		1980	1984	1985	1986	1980	1984	1985	1986
	Total ³	436,675	434,442	442,029	464,364	3,741.9	4,514.1	4,960.6	5,322.1
A	Agricultural services, forestry, fisheries	532	460	586	434	5.7	6.3	4.1	3.6
07	Agricultural services	376	306	486	352	2.4	3.4	2.4	2.1
B	Mining	800	496	655	584	8.6	6.3	7.3	7.1
14	Nonmetallic minerals, except fuels	666	420	465	420	5.6	3.8	4.6	4.5
C	Contract construction ³	36,487	23,872	23,706	22,454	281.5	214.2	214.7	220.4
15	General contractors and operative builders	21,605	13,876	13,667	13,235	169.0	120.4	123.2	126.5
17	Special trade contractors	9,879	7,072	6,778	6,669	74.5	65.7	64.8	63.7
D	Manufacturing ³	154,621	144,430	141,350	140,782	1,401.7	1,713.0	1,792.4	1,897.1
20	Food and kindred products	19,357	17,666	19,811	18,364	179.4	212.7	234.8	256.0
23	Apparel and other textile products	35,843	31,938	27,516	26,474	215.2	222.2	206.2	242.0
26	Chemical and allied products	16,082	16,840	19,637	19,537	217.0	342.9	398.1	407.0
35	Machinery except electrical	6,766	9,912	8,205	7,263	72.9	136.7	121.0	110.5
36	Electric and electronic equipment	16,525	21,535	21,863	21,332	182.2	268.7	272.3	297.1
E	Transportation and other public utilities ³	19,878	19,489	20,787	20,366	227.0	263.3	339.4	366.0
42	Trucking and warehousing	2,563	2,057	1,890	1,906	21.6	16.3	19.2	19.3
47	Transportation services	1,711	1,242	1,569	1,436	13.5	14.5	19.3	16.8
F	Wholesale trade ³	26,764	26,014	26,346	26,640	331.2	392.8	395.8	444.0
50	Wholesale trade-durable goods	13,465	12,146	11,923	12,268	157.2	174.6	173.8	188.1
51	Wholesale trade-nondurable goods	15,013	15,349	15,957	16,830	189.3	207.1	212.6	243.4
G	Retail trade ³	79,169	79,066	80,249	82,665	631.8	607.1	652.3	660.7
54	Food stores	16,367	15,639	16,180	16,604	96.4	103.2	110.6	115.7
55	Automotive dealers and service stations	9,187	7,492	7,596	8,014	68.2	65.5	75.2	78.9
56	Apparel and accessory stores	9,998	9,866	10,236	10,684	65.6	74.2	76.9	82.4
58	Eating and drinking places	11,034	14,662	13,426	14,914	64.5	87.7	94.6	93.3
59	Miscellaneous retail	9,146	11,060	11,052	10,906	58.0	82.0	89.4	97.9
H	Finance, insurance, and real estate ³	25,135	29,152	26,065	30,540	250.2	373.4	379.3	456.8
80	Banking	6,017	11,052	9,474	10,261	61.5	151.2	124.1	171.9
81	Credit agencies other than banks	6,847	7,353	7,239	8,306	63.2	78.5	92.6	106.4
86	Real estate	3,755	3,340	4,433	4,162	25.7	29.7	36.6	38.3
I	Services ³	79,573	86,783	88,553	94,080	601.6	740.1	821.7	845.8
72	Personal services	3,199	2,603	2,656	2,780	18.2	16.6	20.6	21.6
73	Business services	15,268	18,108	18,243	20,186	120.9	164.1	187.5	202.1
75	Auto repair, services, and garages	2,610	2,351	2,296	2,326	18.1	20.6	24.3	24.1
80	Health services	16,063	20,820	22,252	22,444	129.5	167.2	200.1	208.1
81	Legal services	2,326	2,677	2,711	2,722	27.3	28.5	32.3	36.0

¹ Standard Industrial Classification (SIC) code; see text, section 13.

² For the pay period including March 12.

³ Includes other nonclassifiable establishments, not shown separately.

Source: U.S. Bureau of the Census, *County Business Patterns*, annual.

No. 1394. PUERTO RICO—MANUFACTURES, BY INDUSTRY: 1977 AND 1982

(Money figures in millions of dollars. For employer establishments only)

INDUSTRY (Based on 1972 Standard Industrial Classification System) ¹	1977			1982						
	Estab- lish- ments	All employ- ees ²	Value added by manu- facture ³	Estab- lish- ments	All employees		Production workers ⁴		Value added by manu- facture ³	Value of ship- ments ⁵
					Num- ber ⁶	Pay- roll	Num- ber ⁶	Wages		
All industries	2,297	146,691	4,697.2	2,296	143,216	1,573.0	110,343	1,036.6	5,006.6	15,806.4
Food and kindred products	324	21,407	486.6	333	18,621	213.8	13,633	128.4	966.5	2,363.1
Tobacco manufacturers	17	3,670	122.0	14	(D)	(D)	(D)	(D)	(D)	(D)
Textile mill products	63	6,001	108.9	29	2,640	21.6	2,347	17.1	66.5	103.3
Apparel and other textile products	388	35,294	278.9	341	31,784	229.7	26,815	192.3	510.1	964.4
Lumber and wood products	83	623	9.1	62	603	4.6	230	1.8	9.0	24.0
Furniture and fixtures	124	2,383	26.1	122	2,196	16.6	1,410	9.6	49.8	98.5
Paper and allied products	36	1,459	21.7	41	1,469	15.3	1,064	8.2	46.5	120.7
Printing and publishing	161	4,037	69.9	154	2,661	39.7	1,667	18.4	109.0	173.9
Chemicals and allied products	181	15,732	1,478.5	183	17,225	287.4	11,553	157.0	3,713.9	5,267.1
Petroleum and coal products	19	2,462	143.4	16	(D)	(D)	(D)	(D)	(D)	(D)
Rubber and misc. plastic products	77	5,961	147.6	83	4,496	45.3	3,457	32.7	167.7	262.0
Leather and leather products	47	6,165	55.7	47	6,019	48.0	5,340	40.0	108.3	229.3
Stone, clay, and glass products	175	4,967	102.7	171	4,390	41.4	2,868	24.3	133.5	263.3
Primary metal industries	35	1,567	48.5	34	683	6.8	457	3.4	14.6	44.0
Fabricated metal products	188	4,654	64.2	162	3,353	42.1	2,445	27.4	115.7	268.8
Machinery, exc. electrical	57	4,071	161.2	66	6,722	87.3	5,084	56.1	542.2	975.0
Electric and electronic equipment	131	14,785	403.1	181	21,682	246.1	16,758	173.7	1,139.6	1,866.0
Transportation equipment...	26	1,127	26.1	26	909	9.1	765	7.3	32.1	56.5
Instruments and related products	59	6,769	257.3	66	10,685	130.1	8,574	89.4	616.4	925.6
Misc. manufacturing industries	66	3,487	67.6	67	3,373	37.8	2,448	24.8	92.6	218.3

D Withheld to avoid disclosure. ¹ See text, section 13. ² Average for year. ³ See footnote 6, table 1284. ⁴ For establishments with 10 or more employees. ⁵ Represents net selling value, f.o.b. plant. Excludes freight charges and excise taxes. Includes extensive duplication arising from shipments between establishments in the same industry.

Source: U.S. Bureau of the Census, *Census of Outgoing Areas, Manufactures, 1982*, Puerto Rico, series CMC2-A.

NO. 1395. PUERTO RICO—CONSTRUCTION SUMMARY: 1977 AND 1982

(Money figures in millions of dollars. Employer establishments only)

Industry (Based on 1972 Standard Industrial Classification System) ¹	1977			1982				
	Estab- lish- ment	Employ- ees ²	Total re- ceipts ³	Estab- lish- ments	Total re- ceipts ³	Pay- roll entire year	Employ- ees ²	Value added ⁴
Construction ⁵	1,882	28,184	931	1,384	1,180	224	29,238	688
General building contractors and operative builders	777	20,281	555	494	606	107	14,820	185
General contractors, residential buildings	576	9,847	(D)	319	(S)	(S)	7,266	(S)
Single-family houses	548	8,258	182	286	(S)	(S)	4,973	(S)
Operative builders	70	3,108	145	48	(S)	(S)	2,237	(D)
General contractors, nonresidential buildings	131	7,325	(D)	127	187	40	5,116	78
Heavy construction, general contractors	156	5,184	151	173	238	44	4,970	(D)
Special trade contractors ⁶	705	9,515	202	708	334	72	8,534	154
Plumbing, heating, air-conditioning	132	1,361	38	125	70	16	1,704	28
Painting, paper hanging, decorating	62	585	(D)	42	(S)	(S)	589	(S)
Electrical work	134	2,183	51	162	92	21	2,443	43
Concrete work	45	822	19	63	36	7	1,200	14
Subdividers and developers, n.s.c. ⁶	54	1,194	23	21	12	1	104	(D)

(D) Withheld to avoid disclosures. (S) Withheld because estimates did not meet publication standards on the basis of either response rate or a consistency review. ¹ See text, section 13. ² Average for year. ³ Total business receipts. ⁴ All business receipts less payments for materials, components, supplies, and fuels, and for construction work subcontracted to others. ⁵ Includes industries not shown separately. ⁶ N.s.c. means not elsewhere classified.

Source: U.S. Bureau of the Census, *Commerce of Outlying Areas, 1977 and 1982 Construction Industries, Puerto Rico*, series OAC77-3 (revised), and OAC 82-3.

NO. 1396. PUERTO RICO—MERCHANDISE IMPORTS AND EXPORTS: 1970 TO 1987

(In millions of dollars)

ITEM	1970	1971	1972	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Imports	2,881	4,885	5,826	6,200	6,918	7,834	9,018	9,329	8,167	8,708	10,116	10,162	10,321	11,308
From U.S.	2,070	3,029	3,677	3,552	4,391	4,788	5,345	5,801	5,300	5,182	5,738	6,130	6,487	7,307
From other	611	1,856	2,251	2,649	2,527	3,046	3,673	3,528	2,867	3,546	4,378	4,032	3,834	4,001
Exports	1,680	3,000	3,735	4,518	5,123	6,539	8,578	7,047	8,888	8,242	9,428	11,087	11,854	12,508
To U.S.	1,563	2,833	3,296	4,009	4,499	5,720	5,543	6,024	7,824	6,836	8,074	9,873	10,524	11,153
To other	117	367	437	507	624	819	933	1,023	1,264	1,306	1,352	1,214	1,330	1,355

Source: U.S. Bureau of the Census, *Foreign Commerce and Navigation of the United States*, annual; *U.S. Trade with Puerto Rico and U.S. Possessions*, FT 800; and *Highlights of U.S. Export and Import Trade*, FT 800.

NO. 1397. PUERTO RICO, GUAM, AND VIRGIN ISLANDS—GOVERNMENT SUMMARY: 1982

ITEM	Unit	PUERTO RICO		Guam	Virgin Islands
		Common- wealth	Municipio ¹		
Number of governments	Number	1	78	1	1
Gross assessed value ²	Mill. dol	7,705.8	7,705.8	711.4	2,165.5
Real property	Mill. dol	5,118.9	5,118.9	711.4	2,165.5
Personal property	Mill. dol	2,586.9	2,586.9	-	-
Employment, total	Number	185,000	37,500	10,327	12,885
Rate ^{3,4}	Number	579	117	974	1,346
Full-time employees	Number	(NA)	(NA)	8,383	12,657
Full-time equivalent	Number	(NA)	(NA)	8,730	12,789
October payrolls total	\$1,000	95,200	21,700	12,828	14,127
Average October earnings:					
Full-time employees	Dollars	(NA)	(NA)	1,317	1,105
Instructional employees	Dollars	(NA)	(NA)	1,531	1,410
Other	Dollars	(NA)	(NA)	1,277	1,049
Revenue, total	Mill. dol	5,877.5	348.9	278.8	686.2
Per capita ⁴	Dollar	1,839	109	2,629	4,889
Intergovernmental	Mill. dol	1,184.1	68.0	81.0	320.9
Taxes	Mill. dol	1,940.2	289.0	118.9	167.0
Utility	Mill. dol	1,316.7	(NA)	81.0	61.8
Other	Mill. dol	1,436.6	-	37.7	95.6
Expenditure, total	Mill. dol	5,695.8	305.1	450.6	688.6
Per capita ⁴	Dollar	1,782	91	4,252	6,923
Current operations	Mill. dol	1,813.4	279.9	373.1	531.3
Capital outlay	Mill. dol	518.5	(NA)	50.4	66.8
Other	Mill. dol	3,363.7	25.2	27.2	68.4

- Represents zero. NA Not available. ¹ Classified as county governments for census statistics on governments. ² For 1981. ³ Per 10,000 population. ⁴ Based on enumerated population as of April 1, 1980.

Source: U.S. Bureau of the Census, *1982 Census of Governments, Vol. 8, No. 2, Puerto Rico, Virgin Islands, and Guam* (GC82(8)-2).

No. 1396. PUERTO RICO, GUAM, AND VIRGIN ISLANDS—AGRICULTURE: 1978 AND 1982

[1 cuerda = .97 acre. Tons specified are short tons]

ITEM	1978	1982	ITEM	1978	1982	ITEM	AMOUNT HARVESTED ¹			SALES (\$1,000)	
							Unit	1978	1982	1978	1982
Puerto Rico											
Farms	18,992	21,620	Tenure of operator			Dairy products	(x)	(x)	(x)	131,465	152,126
Percent—			Percent—			Poultry ²	(x)	(x)	(x)	26,950	45,845
Less than 10			Full-owners	71.0	79.3	Coffee	1,000 cat ³	178.9	243.9	26,367	39,302
cuerdas	37.0	45.1	Part-owners	15.0	11.5	Cattle and calves	(x)	(x)	(x)	18,945	28,579
10 to 19			Managers	2.2	1.8	Sugarcane	1,000 tons	2,825	1,462	39,530	26,863
cuerdas	25.2	20.9	Tenants	5.8	7.4	Fruits/nuts	(x)	(x)	(x)	10,686	14,060
20 to 49			Avg. cuerda			Grains and					
cuerdas	20.8	18.0	size—			farinaceous					
50 to 99			Full-owners	33.8	31.1	crops	(x)	(x)	(x)	5,891	9,713
cuerdas	7.4	7.1	Part-owners	101.6	98.3	Vegetables	(x)	(x)	(x)	2,338	9,547
100 to 174			Managers	182.0	122.8						
cuerdas	4.1	3.9	Tenants	108.5	80.8						
175 or more											
cuerdas	5.7	6.0									
Cuerdas in farms	878,603	962,457									
GUAM											
Farms	1,909	2,044	Tenure of operator			Chicken eggs	(x)	(x)	(x)	1,293.3	792.1
Percent—			Percent—			Cucumbers	1,000 lbs.	118.6	658.2	16.7	217.6
Less than 1			Full-owners	80.5	78.0	Fish	(x)	(x)	(x)	5.3	121.3
acre	(NA)	45.4	Permittees	4.7	11.8	Hogs and					
1 to 2 acres	(NA)	36.4	Tenants	6.8	8.8	pigs	(x)	(x)	(x)	69.1	117.2
3 to 7 acres	(NA)	10.5	Part-owners	1.8	1.3	Watermelons	1,000 lbs.	387.9	422.5	82.1	115.6
8 or more			Nonpermit-			Green beans	1,000 lbs.	89.4	143.2	23.2	81.6
acres	(NA)	7.8	tees	5.8	1.1	Tomatoes	1,000 lbs.	30.6	105.1	5.1	64.3
Acres in farms	26,610	26,662	Others	1.7	1.2						
VIRGIN ISLANDS											
Farms	378	303	Tenure of operator			Milk	(x)	(x)	(x)	1,074.1	822.6
Percent—			Percent—			Cattle and calves	(x)	(x)	(x)	395.3	488.6
Less than 3			Full-owners	78.0	80.2	Poultry ²	(x)	(x)	(x)	211.7	315.6
acres	24.1	24.8	Part-owners	7.9	10.9	Hogs and					
3 to 9 acres	36.6	37.8	Tenants	7.4	7.9	pigs	(x)	(x)	(x)	31.5	130.0
10 to 19 acres	14.3	10.6	Managers	6.6	1.0	Bananas	1,000 bunches	3.2	11.5	5.3	62.6
20 or more						Onions	(x)	(x)	(x)	4.4	51.5
acres	22.6	27.1				Mangoes	1,000	111.5	209.8	16.8	48.5
Acres in farms	24,397	20,824									

NA Not available. X Not applicable. ¹ Includes amounts not sold. ² Includes poultry products.³ Cat = hundredweight (100 lbs.).

Source: U.S. Bureau of the Census, 1982 Census of Agriculture, vol. 1, parts 52, 53, and 54.

No. 1396. GUAM, VIRGIN ISLANDS, AND NORTHERN MARIANA ISLANDS—ECONOMIC SUMMARY: 1982

[Sales and payroll in millions of dollars]

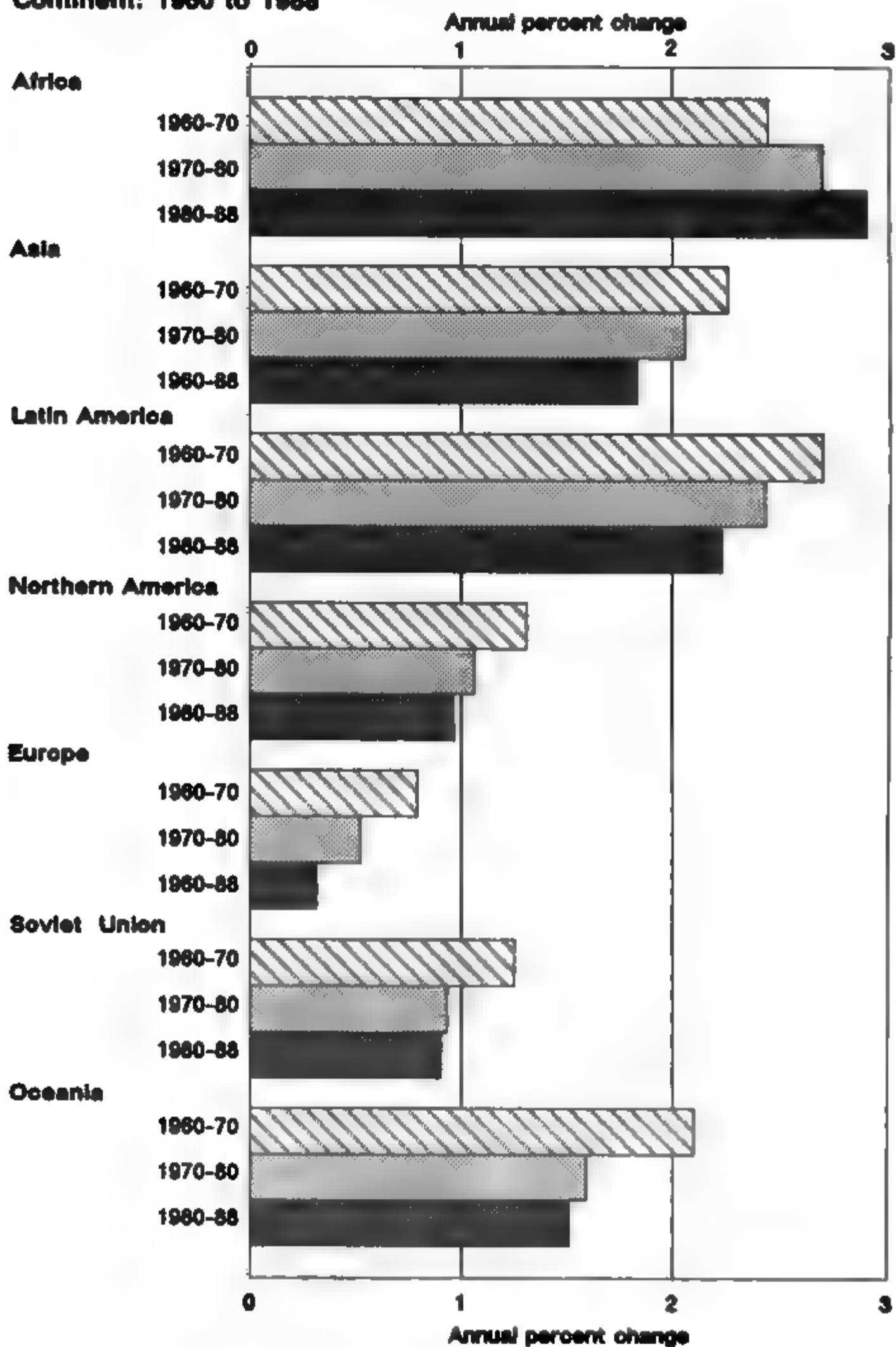
ITEM	Guam	Virgin Islands	No. Mariana Islands	ITEM	Guam	Virgin Islands	No. Mariana Islands
Total Establishments	1,377	2,568	489	Wholesale trade:			
Sales	(D)	(D)	134.9	Establishments	89	104	11
Annual payroll	115.6	228.5	19.9	Sales	184.9	197.4	26.5
Paid employees ¹	11,671	19,132	3,945	Annual payroll	12.6	18.7	1.4
Unpaid family workers ²	507	511	269	Paid employees ¹	981	1,363	364
Construction: Establishments	61	150	42	Unpaid family workers ²	12	14	1
Sales	60.2	142.0	22.2	Retail trade:			
Annual payroll	16.3	46.3	3.7	Establishments	802	1,191	256
Paid employees ¹	1,383	3,283	732	Sales	412.9	469.2	56.7
Unpaid family workers ²	14	23	14	Annual payroll	46.6	57.9	7.4
Manufacturing:				Paid employees ¹	5,400	6,980	1,480
Establishments	22	71	8	Unpaid family workers ²	401	357	199
Sales	(D)	(D)	2.1	Services: ³ Establishments	403	1,072	147
Annual payroll	6.4	62.1	.5	Sales	118.9	148.7	25.4
Paid employees ¹	638	2,630	97	Annual payroll	31.5	42.6	6.9
Unpaid family workers ²	-	6	-	Paid employees ¹	3,489	4,676	1,282
				Unpaid family workers ²	80	111	56

- Represents zero. D Withheld to avoid disclosure of information pertaining to a specific organization.

¹ For pay period including March 12. ² Includes those who worked 15 hours or more during the week including March 12.³ Includes travel agencies, dental labs, and legal, engineering, architectural and surveying services.

Source: U.S. Bureau of the Census, 1982 Economic Census of Outlying Areas, OAC 82-5 to OAC 82-7

Figure 31.1
World Population-Annual Growth Rate, by
Continent: 1960 to 1988



Source: Chart prepared by U.S. Bureau of the Census. For data see table 1402.



Section 31

Comparative International Statistics

This section presents statistics for the world as a whole and for many countries on a comparative basis with the United States. Selected data are shown for area and population, births and deaths, social and industrial indicators, finances, agriculture, communication, and military affairs.

Statistics of the individual nations may be found primarily in official national publications, generally in the form of yearbooks, issued by most of the nations at various intervals in their own national languages, expressed in their own or customary units of measure. (For a listing of selected publications, see Guide to Sources.) For handier reference, especially for international comparisons, the Statistical Office of the United Nations compiles data as submitted by member countries and issues a number of international summary publications, generally in English and French. Among these are the *Statistical Yearbook*; the *Demographic Yearbook*; the *Yearbook of International Trade Statistics*; the *Yearbook of National Accounts Statistics: Vol. II, International Tables*; *Population and Vital Statistics Reports* (quarterly); the *Monthly Bulletin of Statistics*; and *Energy Statistics Yearbook*. Specialized agencies of the United Nations also issue international summary publications on agricultural, labor, health, and education statistics. Among these are the *Production Yearbook* and *Trade Yearbook* issued by the Food and Agriculture Organization, the *Yearbook of Labour Statistics* issued by the International Labour Office, *World Health Statistics* issued by the World Health Organization, and the *Statistical Yearbook* issued by the Educational, Scientific, and Cultural Organization.

The Bureau of the Census, in *Country Demographic Profiles*, series ISP-30, presents data on individual countries for both a recent census year and the current period; and in the *World Population Profile* series, estimates of basic demographic measures for countries and regions of the world. The *International Population Statistics Reports*, series P-90 and P-91, issued by the Bureau of the Census, also present population figures for many foreign countries. Detailed population statistics are also available from the Bureau of the Census' computerized data system, the International Data Base.

The U.S. Arms Control and Disarmament Agency and the International Monetary Fund (IMF) also compile data on international statistics. In its *World Military Expenditures and Arms Transfers*, published annually, the Arms Control and Disarmament Agency presents data on various economic indicators, as well as basic military data. Among the topics presented have been military expenditures, gross national product, imports and exports, and armed forces, by region and/or country. The IMF publishes a series of reports relating to financial data. These include *International Financial Statistics*, *Direction of Trade*, and *Balance of Payments Yearbook*, published in English, French, and Spanish.

Statistical coverage, country names, and classifications.—Problems of space and availability of data limit the number of countries and the extent of statistical coverage shown. The list of countries included is based almost entirely on a list of sovereign nations, dependencies, and areas of special sovereignty published by the U.S. Department of State in *Status of the World's Nations*. Country names are shown here as specified in that publication. In the few cases where a lack of comparability exists between State Department and United Nations' terminology, the State Department's preferences are used.

The countries and regions in table 1402 are classified as either "more developed" or "less developed," according to a *regional* classification system used by the Census Bureau in its *World Population: 1983*. The system is based on the assumption that, within regions, levels of such factors as industrial development, literacy rate, gross reproduction rate, per capita income, etc., are somewhat constant. "More developed" countries comprise Japan, Australia, New Zealand, the Soviet Union, and those countries in Northern America and Europe. All others are "less developed".

The population estimates and projections used in tables 1402-1405 were prepared by the Census Bureau. For each country, the data on population, by age and sex, fertility, mortality, and interna-

tional migration were evaluated, and, where necessary, adjusted for inconsistencies and errors in the data. In most instances, comprehensive projections were made by the component method, resulting in distributions of the population by age and sex, and requiring an assessment of probable future trends of fertility, mortality, and international migration.

Economic associations.—The Organization for European Economic Co-operation (OEEC), a regional grouping of Western European countries established in 1948 for the purpose of harmonizing national economic policies and conditions, was succeeded on September 30, 1981, by the Organization for Economic Cooperation and Development (OECD). The member nations of the OECD are Australia, Austria, Belgium, Canada, Denmark, Finland, France, Greece, Iceland, Ireland, Italy, Japan, Luxembourg, the Netherlands, New Zealand, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, the United Kingdom, the United States, and West Germany, plus Yugoslavia in special status category.

Quality and comparability of the data.—The quality and comparability of the data presented here are affected by a number of factors:

(1) The year for which data are presented may not be the same for all subjects for a particular country, or for a given subject for different countries, though the data shown are the most recent available. All such variations have been noted. The data shown are for calendar years except as otherwise specified.

(2) The bases, methods of estimating, methods of data collection, extent of coverage, precision of definition, scope of territory, and margins of error may vary for different items within a particular country, and for like items for different countries. Footnotes and headnotes to the tables give a few of the major time-period and coverage qualifications attached to the figures; considerably more detail is presented in the source publications. Many of the measures shown are, at best, merely rough indicators of magnitude.

(3) Figures shown in this section for the United States may not always agree with figures shown in the preceding sections. Disagreements may be attributable to the use of differing original sources, a difference in the definition of geographic limits (the 50 States, conterminous United States only, or the United States including certain outlying areas and possessions), or to possible adjustments made in the United States figures by the United Nations or other sources in order to make them more comparable with figures from other countries.

International comparisons of national accounts data.—In order to compare national accounts data for different countries, it is necessary to convert each country's data into a common unit of currency, usually the U.S. dollar. The market exchange rates which are often used in converting national currencies do not necessarily reflect the relative purchasing power in the various countries. For example, using table 1412, it should not be concluded that the United Kingdom's individual standard of living in 1987 was only 64 percent of that of the U.S., as the statistics may imply. It is obviously necessary that the goods and services produced in different countries should be valued consistently if the differences observed are meant to reflect real differences in the volumes of goods and services produced. The use of purchasing power parities (see table 1413) instead of exchange rates is intended to achieve this objective.

The method used to present the data shown in table 1413 is to construct volume measures directly by revaluing the goods and services sold in different countries at a common set of international prices. By dividing the ratio of the gross domestic products of two countries expressed in their own national currencies by the corresponding ratio calculated at constant international prices, it is possible to derive the implied purchasing power parity (PPP) between the two currencies concerned. PPP's show how many units of currency are needed in one country to buy the same amount of goods and services which one unit of currency will buy in the other country. For further information, see *National Accounts, Main Aggregates*, volume I, issued annually by the Organization for Economic Cooperation and Development, Paris, France.

No. 1400. WORLD SUMMARY: 1970 TO 1986

(See text, section 31, for general comments concerning quality of the data)

Item	Unit	1970	1975	1979	1980	1981	1982	1985	1984	1985	1986
Population	Millions	3,676	4,033	4,376	4,483	4,526	4,567	4,664	4,700	4,837	4,917
Agriculture, forestry, and fishing:											
Barley	Mil. metric tons	136	140	155	180	152	164	162	173	177	183
Coffee	Mil. metric tons	3.9	4.7	4.9	4.8	6.0	5.1	5.7	5.1	5.9	5.1
Corn	Mil. metric tons	279	346	419	399	450	450	348	453	458	477
Cotton (lint)	Mil. metric tons	11.8	12.3	13.9	13.9	15.3	14.6	14.3	18.3	17.8	18.2
Meats	Mil. metric tons	(NA)	(NA)	130	134	136	137	142	146	151	166
Peanuts (groundnuts)	Mil. metric tons	16.5	18.7	18.0	17.1	20.5	18.1	19.0	20.2	21.6	21.7
Potatoes	Mil. metric tons	266	259	320	284	289	266	285	292	283	292
Rice	Mil. metric tons	316	358	377	389	412	434	452	470	473	474
Tobacco	Mil. metric tons	4.7	5.4	5.4	5.3	6.0	5.9	5.9	6.5	7.0	5.9
Wheat	Mil. metric tons	318	360	429	448	486	483	494	518	506	536
Wool, greasy	Mil. metric tons	(NA)	(NA)	2.7	2.8	2.8	2.8	2.9	2.9	2.9	3.0
Roundwood	Mil. cubic meters	2,814	2,588	2,896	2,942	2,945	2,841	3,036	3,126	3,164	3,252
Fish catches	Mil. metric tons	68.0	68.7	71.3	72.0	74.5	76.6	77.4	83.6	85.6	91.5
Industrial production:											
Wine	Mil. metric tons	(NA)	(NA)	37.8	35.4	31.8	37.3	35.0	32.4	29.3	33.4
Sugar	Mil. metric tons	72.9	61.5	66.5	64.0	62.6	102.2	97.4	99.8	98.1	101.2
Wheat flour	Mil. metric tons	121.2	125.2	133.9	137.2	139.7	139.7	200.0	207.0	212.5	(NA)
Coal	Mil. metric tons	2,143	2,384	2,666	2,728	2,728	2,828	2,831	2,967	3,087	3,196
Lignite and brown coal	Mil. metric tons	793	863	985	1,005	1,034	1,089	1,130	1,186	1,240	1,281
Crude petroleum ¹	Bil. bbl.	18.6	19.3	22.8	21.7	20.3	19.3	19.2	19.7	19.4	20.3
Natural gas (dry) ¹	Trl. cu. ft.	37.5	44.1	51.7	52.1	54.6	54.1	54.6	59.7	62.2	63.3
Electricity	Bil. kWh	4,862	6,527	7,999	8,247	8,384	8,476	8,824	9,310	9,712	9,982
Iron ore	Mil. metric tons	421	523	736	743	800	816	740	836	853	861
Pig iron and ferroalloys	Mil. metric tons	440	489	540	531	519	472	483	496	504	498
Tin ²	1,000 metric tons	184	178	233	227	229	214	185	198	195	198
Crude steel	Mil. metric tons	584	644	739	704	685	629	663	710	717	708
Cement	Mil. metric tons	(NA)	(NA)	659	667	686	686	686	696	906	910
Non-cellulosic fibers ³	Mil. metric tons	4.9	7.4	10.6	10.5	10.8	10.1	10.7	11.5	12.1	11.4
Sawnwood ⁴	Mil. cubic meters	413	402	451	459	419	421	441	461	465	475
Woodpulp	Mil. metric tons	87.2	97.9	118.7	121.1	120.6	115.3	123.9	130.9	130.4	(NA)
Newsprint	Mil. metric tons	21.8	21.0	25.3	26.1	27.3	25.6	26.0	27.6	28.3	29.2
Merchant vessels, launched ⁵	Mil. gross tons	21.7	35.8	19.8	13.9	17.1	17.3	14.9	17.7	17.8	14.8
Motor vehicles	Millions	29.3	33.0	41.6	38.9	37.5	36.4	39.9	42.0	44.4	(NA)
External trade:											
Imports, c.i.f.	Bil. U.S. dollars	529	602	1,080	2,057	2,322	1,805	1,875	1,962	2,035	2,213
Exports, f.o.b.	Bil. U.S. dollars	314	374	1,543	1,885	2,215	1,831	1,907	1,900	1,927	2,114
Transport:											
Railway freight	Bil. metric ton-km.	5,067	6,016	6,602	6,764	6,810	6,635	6,866	7,138	7,266	(NA)
Merchant shipping, freight ⁶	Mil. metric tons	(NA)	(NA)	3,825	3,976	3,500	3,280	3,230	3,410	3,362	(NA)
Civil aviation, kilometers flown ⁶	Millions	4,363	4,670	9,160	9,440	9,030	9,010	9,320	9,960	10,420	(NA)

NA Not available. ¹Source: U.S. Energy Information Administration, *International Energy Annual* and *Monthly Energy Review*. ²Excludes China: Mainland. Tin and merchant vessels exclude Soviet Union. For other exclusions, see source. ³Freight loaded. ⁴Scheduled services of members of International Civil Aviation Organization. Excludes Soviet Union.

Source: Except as noted, Statistical Office of the United Nations, New York, NY, *Monthly Bulletin of Statistics* (Copyright).

No. 1401. WORLD POPULATION, 1980 AND 1986, AND AREA, 1986, BY SIZE OF COUNTRY

(Covers only countries listed in table 1403. See headings, table 1403)

POPULATION CLASS IN 1986	POPULATION, 1980		1986					
	Total (mil.)	Per cent of total	Countries		Population		Area	
			Total number	Per cent of total	Total (mil.)	Per cent of total	Total (1,000 sq. mil.)	Per cent of total
Total	4,476	100.0	386	100.0	5,143	100.0	82,449	100.0
Under 1 million	14	.3	76	36.5	18	.3	1,353	2.4
1-5 million	96	2.2	40	10.2	115	2.2	4,706	9.0
6-10 million	169	3.8	27	13.0	190	3.9	3,473	6.6
10-25 million	478	10.7	34	16.3	388	11.0	9,940	18.0
25-50 million	318	7.1	10	4.8	385	7.1	7,821	14.9
Over 50 million	3,401	76.0	21	19.1	3,861	75.5	25,234	48.1

Source: Compiled from U.S. Bureau of the Census, unpublished data.

NO. 1402. WORLD POPULATION AND VITAL STATISTICS, BY CONTINENT AND REGION, 1970 TO 1988, AND PROJECTIONS, 1990 AND 2000

[Crude birth rate: Number of births during 1 year per 1,000 persons (based on midyear population). Crude death rate: Number of deaths during 1 year per 1,000 persons (based on midyear population). Total fertility rate: Average number of children that would be born per woman if all women lived to the end of their childbearing years and, at each year of age, they experienced the birth rates occurring in the specified year. For explanation of "more developed" and "less developed" categories, see text, section 31]

CONTINENT AND REGION	MIDYEAR POPULATION (millions)				ANNUAL RATE OF GROWTH ¹ (percent)			CRUDE BIRTH RATE		CRUDE DEATH RATE		TOTAL FERTILITY RATE (number)		LIFE EXPECTANCY (years)	
	1970	1980	1990	2000	1970-1980	1980-1990	1990-2000	1988	2000	1988	2000	1988	2000	1988	2000
World total	3,721	4,476	5,143	6,341	1.8	1.7	1.6	26.8	23.2	9.7	8.4	3.49	3.04	61.3	66.0
More developed regions	1,049	1,137	1,196	1,211	.8	.8	.5	14.9	13.3	9.7	9.7	1.95	1.91	73.3	75.6
Less developed regions	2,672	3,339	3,946	4,971	2.2 (x)	2.1 (x)	1.9 (x)	30.4 (x)	25.8 (x)	9.7 (x)	8.1 (x)	3.95 (x)	3.33 (x)	59.5 (x)	63.6 (x)
Percent of world	72	75	77	80											
Africa ²	376	493	622	680	2.7	2.9	3.0	43.9	39.4	14.1	10.7	6.26	5.48	52.7	57.7
Asia	2,111	2,594	3,004	3,111	2.1	1.8	1.6	27.1	22.3	9.1	7.8	3.44	2.81	61.0	65.3
More developed regions	104	117	123	124	1.1	.8	.4	11.9	12.6	7.1	9.0	1.79	1.78	77.8	78.5
Less developed regions	2,007	2,477	2,882	2,986	2.1	1.9	1.7	27.7	22.7	9.2	7.7	3.51	2.85	60.7	65.0
East Asia ²	981	1,181	1,304	1,334	1.8	1.2	1.0	18.9	15.2	6.7	6.7	2.20	1.79	60.4	73.1
South Asia ²	1,120	1,412	1,700	1,777	2.3	2.3	2.0	33.4	27.2	10.9	8.5	4.39	3.51	57.3	62.4
Latin America ²	296	365	436	455	2.4	2.2	1.9	29.1	23.9	7.1	8.1	3.62	2.92	66.8	70.4
Middle America ²	70	96	112	116	2.9	2.2	2.0	29.8	24.3	6.3	6.3	3.65	2.75	67.8	71.4
Caribbean ²	25	29	33	39	1.6	1.4	1.4	25.3	21.1	8.2	7.2	2.98	2.60	65.8	69.0
South America ²	191	242	291	304	2.4	2.3	2.0	29.3	24.0	7.2	6.2	3.65	3.02	68.5	70.2
Northern America ²	226	252	272	277	1.1	.9	.7	15.2	12.5	6.6	6.9	1.84	1.84	75.5	78.9
Europe ⁴	460	484	497	499	.5	.3	.2	13.2	12.1	10.6	10.6	1.78	1.78	74.3	75.9
Soviet Union ⁴	243	286	286	291	.9	.9	.7	18.6	16.2	10.6	9.4	2.45	2.27	68.9	73.2
Oceania	19	23	26	28	1.6	1.5	1.3	19.8	17.7	6.1	8.3	2.58	2.37	69.2	71.2
Australia and New Zealand ⁴	15	18	20	22	1.4	1.2	1.0	15.6	14.0	7.7	8.3	1.92	1.92	75.9	78.9
Less developed regions	4	5	6	6	2.5	2.4	2.2	34.0	29.4	9.5	6.2	4.81	3.79	59.0	62.6

X Not applicable. ¹ Computed by the exponential method. For explanation of average annual percent change, see Guide to Tabular Presentation. ² Less developed regions. ³ For component countries, see table 1405. ⁴ More developed region.

Source: U.S. Bureau of the Census, *World Population Profile, 1988*, forthcoming.

**NO. 1483. POPULATION AND AREA, BY REGION AND COUNTRY, 1960 AND 1968, AND PROJECTIONS,
1990 AND 2000**

[Population data generally are de facto figures for the present territory. Population estimates were derived from information available as of mid-1989. See table 1405 for country components of regions. See text, section 31 for general comments concerning the data. For details of methodology, coverage, and reliability, see sources. Minus sign (-) indicates decrease]

COUNTRY	MIDYEAR POPULATION							Area ² (sq. mile)	
	Number (1,000)				Rank, 1968	Annual percent change ¹			Per sq. mile, 1968
	1960	1968	1980, proj.	2000, proj.		1960- 1968	1968- 1980		
World total	4,478,488	5,142,912	5,319,896	6,340,887	(x)	1.7	1.8	101	52,448,831
Africa	482,905	621,988	660,015	866,688	(x)	2.9	3.0	56	11,682,673
Northern America ²	251,941	272,249	277,020	296,347	(x)	.8	.7	33	8,306,536
Latin America	384,865	436,929	454,827	550,880	(x)	2.2	1.9	57	7,930,818
Middle America	92,905	111,510	116,329	141,481	(x)	2.2	2.0	121	953,397
Caribbean	29,432	32,924	33,893	39,042	(x)	1.4	1.4	387	92,376
South America	242,518	291,494	304,405	370,157	(x)	2.3	2.0	44	8,875,043
East Asia	1,181,034	1,303,707	1,334,083	1,480,988	(x)	1.2	1.0	283	4,550,909
South Asia	1,412,485	1,700,449	1,777,339	2,174,224	(x)	2.3	2.0	289	6,146,724
Europe	484,366	496,625	499,363	510,290	(x)	.9	.2	285	1,881,870
Soviet Union	286,410	286,435	290,939	311,637	(x)	.9	.7	34	6,649,498
Oceania	22,614	25,529	26,260	29,624	(x)	1.5	1.3	8	3,267,606
COUNTRIES									
United States	227,757	246,043	250,372	267,967	4	.9	.7	66	3,618,789
Afghanistan	14,985	14,481	15,592	24,501	64	.4	4.5	62	647,600
Albania	2,871	3,147	3,288	3,792	110	2.0	1.5	294	11,100
Algeria	18,850	24,195	25,714	33,705	34	3.1	2.7	28	918,467
Andorra	34	49	52	62	187	4.4	1.7	290	180
Angola	8,788	8,238	8,802	11,467	73	2.8	2.7	18	461,361
Antigua and Barbuda	89	100	104	108	182	-7	7	580	106
Argentina	28,237	31,533	32,281	36,036	29	1.3	1.1	30	2,780,167
Aruba	60	62	63	63	183	.4	(x)	635	75
Australia	14,816	16,280	16,643	18,488	49	1.3	1.0	8	2,967,884
Austria	7,548	7,577	7,665	7,862	111	1	1	235	32,386
Bahamas, The	211	243	251	294	168	1.8	1.8	47	13,933
Bahrain	348	480	512	650	142	3.9	2.4	261	660
Bangladesh	88,077	108,964	115,783	144,852	9	2.7	2.2	2,082	55,866
Barbados	252	257	260	279	156	.3	.7	1,564	168
Belgium	9,847	9,881	9,895	9,932	66	(x)	(x)	638	30,528
Belize	147	172	180	226	164	2.0	2.3	20	6,866
Benin	3,435	4,497	4,840	7,082	98	3.4	3.8	111	43,483
Bhutan	1,281	1,503	1,566	1,908	126	2.0	2.0	87	38,394
Bolivia	5,385	6,448	6,730	8,218	87	2.2	2.0	16	424,162
Botswana	803	1,180	1,278	1,794	130	3.5	3.4	6	231,804
Brazil	123,180	150,685	157,840	185,244	8	2.5	2.1	48	3,286,524
Brunei	185	317	372	500	154	7.0	4.1	166	2,236
Bulgaria	8,844	8,967	8,978	9,046	112	.2	1	210	42,823
Burkina Faso	7,088	8,486	8,941	11,814	71	2.3	2.8	11	274,741
Burma	33,633	39,632	41,279	48,772	24	2.1	1.9	11	261,217
Burundi	4,120	5,156	5,474	7,315	91	2.8	2.9	509	10,747
Cambodia	5,892	6,898	6,983	8,511	85	2.1	2.0	100	69,896
Cameroon	6,576	10,532	11,109	14,471	81	2.8	2.6	81	183,567
Canada	24,070	26,088	26,527	28,239	31	1.0	.6	7	3,849,856
Cape Verde	296	354	375	505	148	2.4	3.0	241	1,580
Central African Republic	2,289	2,736	2,879	3,705	114	2.4	2.5	12	240,534
Chad	4,018	4,778	5,053	6,274	115	2.3	2.2	10	495,898
Chile	11,094	12,638	13,016	14,796	56	1.8	1.3	45	292,257
China: Mainland	983,379	1,086,169	1,114,512	1,242,289	1	1.3	1.1	301	3,705,380
Taiwan	17,788	20,004	20,454	22,304	41	1.4	.9	1,642	12,456
Colombia	26,518	31,299	32,588	36,800	113	2.1	1.7	74	439,736
Comoros ⁴	334	429	460	656	144	3.2	3.5	549	838
Congo	1,620	2,154	2,305	3,208	120	3.5	3.3	17	132,046
Costa Rica	2,307	2,886	3,039	3,743	112	2.8	2.1	155	19,575
Cuba	9,853	10,354	10,548	11,420	83	.9	.8	239	44,197
Cyprus	627	692	708	775	139	1.2	.9	108	3,572
Czechoslovakia	15,255	15,621	15,685	16,204	116	.3	.3	316	49,371
Denmark	5,123	5,128	5,134	5,165	92	(x)	1	309	16,832
Djibouti	279	320	337	440	153	1.9	2.6	40	8,494
Dominica	75	83	86	103	178	1.3	1.8	285	291
Dominican Republic	5,826	7,137	7,501	9,404	81	2.5	2.3	389	16,818
East Germany	16,737	18,597	18,539	18,539	46	-1	(x)	387	90,181
Ecuador	6,123	10,232	10,232	13,641	64	2.8	2.3	99	109,483
Egypt	42,239	53,348	56,219	71,189	20	2.9	2.4	145	386,880
El Salvador	4,080	5,388	5,688	7,183	90	1.9	2.4	697	8,124
Equatorial Guinea	262	347	380	443	149	3.2	2.1	33	10,830
Ethiopia	36,563	48,265	51,375	71,132	22	2.9	3.3	109	471,778
Fiji	631	741	772	925	137	2.0	1.8	109	7,095
Finland	4,780	4,850	4,877	5,048	94	.4	1	38	130,159
France	63,870	65,798	66,184	67,884	17	.4	.3	286	211,207
Gabon	805	1,052	1,089	1,232	132	2.9	1.4	10	103,348
Gambia, The	644	779	820	1,071	135	2.4	2.7	188	4,381
Ghana	10,842	14,380	16,334	20,481	55	3.4	3.0	165	62,100
Greece	8,843	10,015	10,088	10,871	65	.4	.2	189	80,844
Grenada	90	84	84	82	175	-7	.9	834	139
Guatemala	7,132	8,891	9,246	11,373	69	2.6	2.1	220	43,585
Guinea	5,484	6,808	7,289	9,533	83	2.8	2.4	11	24,604

See footnotes at end of table.

**NO. 1483. POPULATION AND AREA, BY REGION AND COUNTRY, 1980 AND 1988, AND PROJECTIONS,
1990 AND 2000—Continued**

[See heading p. 813]

COUNTRY	MIDYEAR POPULATION							Per sq. mile, 1988	Area ² (sq. miles)
	Number (1,000)				Rank, 1988	Annual percent change ¹			
	1980	1988	1990, proj.	2000, proj.		1980-1988	1988-2000		
Guinea-Bissau	788	951	998	1,282	134	2.3	2.3	71	14,000
Guyana	759	789	785	821	136	.1	.7	9	83,000
Haiti	5,473	8,298	8,808	7,670	88	1.7	1.6	608	10,714
Honduras	3,778	4,972	5,288	8,857	98	3.4	2.8	122	43,277
Hungary	10,711	10,868	10,848	10,477	60	-.2	-.1	284	35,918
Iceland	228	247	250	268	157	.9	.7	6	39,701
India ²	888,894	818,828	860,067	1,013,280	2	2.1	1.8	670	1,269,333
Indonesia	154,836	184,018	191,288	228,618	5	2.1	1.7	244	782,899
Iran	39,187	51,924	55,248	73,801	21	3.4	2.9	87	638,293
Iraq	13,201	17,583	18,888	28,481	44	3.6	3.4	112	167,824
Ireland	3,407	3,532	3,523	3,508	104	.3	(2)	130	27,138
Israel	3,737	4,297	4,445	5,185	86	1.7	1.5	588	8,000
Italy	58,461	57,455	57,857	58,488	15	.2	.1	486	116,302
Ivory Coast	8,236	11,185	12,070	17,329	58	3.8	3.6	87	124,908
Jamaica	2,229	2,488	2,513	2,833	117	1.2	1.5	582	4,344
Japan	118,807	122,626	123,740	128,880	7	.6	.4	861	143,780
Jordan	2,152	2,850	3,086	4,372	113	3.5	3.6	88	35,000
Kenya	18,710	23,342	25,383	38,306	37	4.2	4.1	113	224,880
Kiribati	58	88	70	81	179	1.9	1.5	252	279
Kuwait	1,370	1,938	2,083	2,739	123	4.2	2.7	308	6,880
Laos	3,292	3,650	4,084	4,884	102	2.0	2.1	44	81,430
Lebanon	2,288	3,338	3,382	4,084	108	.4	1.9	848	4,000
Lesotho	1,348	1,888	1,757	2,247	125	2.7	2.5	148	11,781
Liberia	1,888	2,483	2,628	3,604	116	3.2	3.2	61	43,000
Libya	3,028	3,988	4,206	5,568	101	3.3	2.8	8	679,359
Liechtenstein	25	28	28	30	184	1.2	.5	458	62
Luxembourg	364	388	388	388	147	.1	(2)	367	988
Madagascar	8,888	11,073	11,802	18,188	68	3.1	3.2	52	228,819
Malawi	8,008	7,578	8,188	11,448	76	3.1	3.3	178	45,747
Malaysia	13,784	18,388	17,053	20,225	48	2.1	1.7	133	128,400
Maldives	154	203	219	318	188	3.5	3.7	1,804	115
Mali	8,885	8,885	9,182	12,283	70	2.7	2.8	19	478,784
Malta	384	388	373	382	146	.3	.5	3,088	121
Mauritania	1,538	1,918	2,088	2,777	124	2.8	3.1	5	387,984
Mauritius	884	1,100	1,141	1,328	131	1.7	1.5	1,886	720
Mexico	70,111	83,528	88,888	104,458	11	2.1	1.8	114	761,800
Monaco	27	29	29	32	183	1.0	.7	28,453	1
Mongolia	1,882	2,088	2,185	2,837	121	2.7	2.6	4	804,100
Morocco	20,545	24,978	26,248	33,274	32	2.5	2.4	162	172,413
Mozambique	12,103	14,948	15,830	21,145	52	2.7	2.9	52	302,328
Nauru	8	9	9	10	204	1.8	1.3	1,188	8
Nepal	14,988	18,252	18,158	24,388	43	2.5	2.4	352	54,398
Netherlands	14,144	14,718	14,884	15,458	53	.5	.4	843	15,770
New Zealand	3,113	3,343	3,402	3,648	107	.9	.7	33	103,738
Nicaragua	2,783	3,407	3,808	4,743	105	2.8	2.7	72	50,189
Niger	5,583	7,214	7,881	10,571	80	3.2	3.2	16	488,188
Nigeria	90,035	111,804	118,888	188,830	8	2.8	3.0	333	368,887
North Korea	17,882	21,984	23,058	28,388	39	2.5	2.1	483	46,788
Norway	4,086	4,181	4,214	4,281	98	.3	.2	34	125,181
Oman	884	1,285	1,345	1,821	128	3.1	3.0	16	82,000
Pakistan ²	85,218	107,487	113,183	145,288	10	2.8	2.5	388	310,488
Panama	1,958	2,324	2,423	2,928	118	2.1	1.8	81	28,781
Papua New Guinea	2,881	3,550	3,824	4,774	103	2.5	2.2	21	178,258
Paraguay	3,379	4,386	4,888	6,022	97	3.2	2.8	30	157,044
Peru	17,285	21,288	22,353	28,125	40	2.5	2.3	45	498,222
Philippines	50,888	63,188	68,847	85,527	13	2.7	2.6	575	116,000
Poland	35,578	37,958	38,383	38,925	28	.8	.4	318	120,700
Portugal	9,778	10,388	10,528	11,031	82	.7	.5	288	38,853
Qatar	231	328	353	488	152	4.3	3.1	63	4,347
Romania	22,201	23,041	23,288	24,381	38	.5	.5	254	81,888
Rwanda	5,281	7,058	7,603	11,020	82	3.8	3.7	748	10,188
Saint Christopher and Nevis	44	37	35	35	181	-2.2	-.1	388	101
Saint Lucia	115	137	143	188	167	2.2	2.3	588	238
Saint Vincent and The Grenadines	98	107	110	122	171	1.2	1.1	734	188
San Marino	21	23	23	25	188	.9	.8	874	34
Sao Tome and Principe	94	117	125	170	188	2.8	3.1	335	372
Saudi Arabia	10,150	15,452	18,758	23,154	51	5.0	3.2	28	628,888
Senegal	5,738	7,381	7,740	10,805	78	3.0	3.1	102	75,750
Seychelles	83	88	71	83	178	1.1	1.8	688	108
Sierra Leone	3,316	3,983	4,188	5,403	100	2.3	2.6	188	27,888
Singapore	2,414	2,645	2,703	2,838	115	1.1	.8	11,308	238
Solomon Islands	233	312	335	488	155	3.7	3.4	29	11,500
Somalia	6,110	7,880	8,415	10,387	74	3.2	2.1	34	248,200
South Africa	28,135	35,084	38,888	45,267	27	2.3	2.1	78	471,443
South Korea	38,124	42,773	43,818	48,508	23	1.4	1.2	1,155	38,031
Soviet Union	288,410	288,435	288,838	311,837	3	.9	.7	34	8,848,888
Spain	37,488	38,210	38,853	41,480	25	.8	.8	308	184,888
Sri Lanka	14,880	18,840	17,888	18,388	45	1.4	1.3	875	25,232
Sudan	18,882	24,014	25,037	33,383	35	2.8	2.9	28	987,488
Suriname	355	385	408	482	145	1.4	1.7	8	69,037
Swaziland	884	735	778	1,054	138	2.9	3.0	118	6,704
Sweden	8,310	8,385	8,407	8,382	72	.1	(2)	48	173,731
Switzerland	8,385	8,883	8,828	8,700	85	.4	.1	418	15,811

See footnotes at end of table.

**NO. 1403. POPULATION AND AREA, BY REGION AND COUNTRY, 1980 AND 1988, AND PROJECTIONS,
1990 AND 2000—Continued**

[See headnote p. 513]

COUNTRY	MIDYEAR POPULATION							Area ² (sq. mile)	
	Number (1,000)				Rank, 1988	Annual percent change ¹			Per sq. mile, 1988
	1980	1988	1990, proj.	2000, proj.		1980- 1988	1988- 2000		
Syria.....	8,692	11,570	12,471	16,157	67	3.6	3.8	174	71,408
Tanzania.....	18,804	24,295	25,994	36,567	39	3.2	3.4	71	363,647
Thailand.....	40,928	54,689	56,448	65,518	18	1.8	1.5	284	198,770
Togo.....	2,586	3,336	3,586	4,942	109	3.2	3.3	162	22,000
Tonga.....	83	100	101	110	172	.9	.8	263	385
Trinidad and Tobago.....	1,056	1,220	1,270	1,538	129	1.6	1.9	641	1,980
Tunisia.....	6,462	7,738	8,086	9,940	75	2.3	2.1	128	63,170
Turkey.....	45,121	54,168	56,549	66,565	19	2.3	1.9	186	301,361
Tuvalu.....	7	8	9	10	206	1.6	1.5	877	10
Uganda.....	12,788	16,447	17,593	24,862	47	3.2	3.4	193	91,075
United Arab Emirates.....	1,000	1,880	2,260	3,588	122	8.1	4.7	70	32,278
United Kingdom.....	56,314	56,636	57,121	57,849	16	1	1	606	94,200
Uruguay.....	2,890	2,876	3,002	3,164	111	.4	.5	44	66,037
Vanuatu.....	117	156	166	221	165	3.4	2.9	29	5,700
Venezuela.....	16,024	18,778	19,753	24,662	42	2.7	2.2	56	352,143
Vietnam.....	53,824	65,166	66,488	86,012	12	2.4	2.3	536	127,300
West Germany.....	61,561	60,960	60,977	60,686	14	-.1	(2)	636	95,878
Western Samoa.....	156	178	186	236	163	1.6	2.3	184	1,133
Yemen (Aden).....	1,820	2,428	2,686	3,581	116	3.0	2.3	21	124,698
Yemen (Sanaa).....	5,404	6,732	7,182	10,023	84	2.8	3.4	95	75,000
Yugoslavia.....	22,304	23,680	23,864	25,040	36	7	.5	242	66,786
Zaire.....	26,682	33,294	35,330	47,940	26	2.8	3.1	36	905,563
Zambia.....	5,629	7,546	8,112	11,810	76	3.7	3.8	28	290,584
Zimbabwe.....	7,296	9,728	10,482	15,118	67	3.6	3.7	69	151,000
AREAS OF SPECIAL SOVEREIGNTY AND DEPENDENCIES									
American Samoa.....	32	39	41	49	190	2.4	1.8	541	76
Anguilla.....	7	7	7	8	207	.7	.8	189	35
Bermuda.....	57	58	58	59	184	.2	.1	2,917	20
British Virgin Islands.....	11	12	12	14	202	1.2	1.4	210	59
Cayman Islands.....	17	23	25	36	195	3.6	3.7	245	100
Cook Islands.....	16	16	16	18	198	.3	.5	186	83
Faroe Islands.....	43	47	48	52	186	.9	.8	92	517
Federated States of Micronesia.....	73	86	90	108	174	2.1	1.8	331	271
French Guiana.....	69	92	98	124	173	3.7	2.4	3	35,109
French Polynesia.....	151	181	202	252	160	2.9	2.2	131	1,544
Gaza Strip.....	483	576	616	837	140	3.1	3.1	4,396	140
Gibraltar.....	29	29	29	30	192	(2)	.2	14,651	2
Greenland.....	50	56	56	62	186	1.1	1.0	(2)	840,000
Guadeloupe.....	327	339	344	366	150	.5	1.1	501	687
Guam.....	107	130	134	149	168	2.2	1.1	639	204
Guernsey.....	53	53	53	52	186	-.1	-.2	703	75
Hong Kong.....	5,063	5,651	5,770	6,303	89	1.3	.9	14,109	409
Isle of Man.....	64	66	66	66	181	.1	1	286	227
Jersey.....	76	81	81	84	177	.7	.3	1,906	45
Macao.....	316	432	444	478	143	3.3	.7	74,034	6
Marshall Islands.....	31	41	43	56	186	3.5	2.6	620	70
Martinique.....	329	330	333	359	151	.2	.7	784	425
Mayotte.....	50	67	72	106	180	3.6	3.8	488	145
Montserrat.....	12	12	12	12	201	.3	1	310	39
Namibia.....	998	1,302	1,400	2,022	127	3.4	3.7	4	318,281
Netherlands Antilles.....	170	183	183	192	161	.8	.5	281	703
New Caledonia.....	138	151	154	178	186	1.0	1.4	18	8,546
Northern Mariana Islands.....	17	21	22	26	197	2.4	1.8	117	184
Pacific Islands, Trust Territory of the ⁷	13	14	14	15	200	.7	.7	27	633
Puerto Rico.....	3,206	3,369	3,416	3,691	106	.6	.8	984	3,435
Reunion.....	507	557	574	658	141	1.2	1.4	582	870
Saint Helena.....	6	6	6	9	206	3.0	.2	186	47
Saint Pierre and Miquelon.....	6	6	6	7	208	.5	.3	66	93
Turks and Caicos Islands.....	7	9	10	12	203	2.7	1.7	59	186
Virgin Islands.....	96	113	116	132	170	1.7	1.3	571	133
Wallis and Futuna.....	11	14	15	16	199	3.2	2.0	187	60
West Bank.....	533	692	1,088	1,309	133	2.2	2.3	469	2,262
Western Sahara.....	126	161	182	246	162	4.2	2.5	2	103,000

X not applicable. 2 Less than .06 percent or .5. 1 Computed by the exponential method. For explanation of average annual percent change, see Guide to Tabular Presentation. 2 Data from U.S. Central Intelligence Agency, *The World Factbook Fifteenth and Eighty-Six*; U.S. Department of State, *Status of the World's Nations*, periodic; and Statistical Office of the United Nations, New York, NY, *Demographic Yearbook*. 3 Includes Bermuda, Canada, Greenland, St. Pierre and Miquelon, and United States. 4 Excludes Mayotte, an area subject to dispute over sovereignty. 5 Includes the Indian-held part of Jammu and Kashmir. 6 Excludes the Pakistani-held part of Jammu and Kashmir. 7 Includes only the Republic of Palau.

Source: Except as noted, U.S. Bureau of the Census, unpublished data.

NO. 1404. WORLD POPULATION, BY AGE GROUP, 1988, AND PROJECTIONS, 2000

(in percent. Covers countries with 10 million or more population in 1988. Regional data excludes 28 small countries for which component projections are not available. See table 1405 for country components of regions. Data compiled from the International Data Base; see text, section 31)

COUNTRY	1988				2000			
	Under 5 years old	5 to 14 years old	15 to 64 years old	65 years old and over	Under 5 years old	5 to 14 years old	15 to 64 years old	65 years old and over
World total	11.86	20.91	61.41	5.84	10.79	19.36	63.86	6.05
Africa	17.80	27.06	52.28	2.86	16.80	26.06	53.14	3.04
Northern America	7.44	14.01	68.33	12.23	6.36	13.86	66.92	12.87
Latin America	13.36	23.72	58.43	4.50	11.32	21.54	61.90	5.23
Middle America	13.83	26.12	58.18	3.86	11.81	21.90	61.88	4.80
Caribbean	11.58	20.86	61.86	6.10	10.12	19.88	63.81	6.42
South America	13.37	23.15	58.82	4.56	11.34	21.60	61.71	5.35
East Asia	8.74	18.06	67.34	5.97	7.86	15.71	68.45	7.88
South Asia	14.40	24.13	58.07	3.40	12.32	22.71	60.90	4.07
Europe	6.43	13.59	66.77	13.22	6.13	12.60	66.28	14.97
Soviet Union	9.41	18.61	64.66	9.12	7.87	16.26	64.37	11.51
Oceania	9.25	17.57	64.15	9.03	8.63	16.71	64.96	9.67
COUNTRIES								
United States	7.46	14.03	68.17	12.34	6.40	13.94	66.81	12.86
Afghanistan	18.89	28.80	53.98	2.81	16.02	25.87	56.29	2.82
Algeria	17.02	27.51	52.02	3.46	13.72	25.90	59.75	3.83
Argentina	10.04	20.00	61.06	8.91	9.12	17.42	63.62	9.84
Australia	7.50	15.14	66.53	10.74	7.11	14.43	66.86	11.62
Bangladesh	18.84	28.40	53.70	2.86	13.43	25.01	58.24	3.32
Brazil	13.96	23.60	58.44	4.01	11.77	22.21	61.10	4.92
Burma	14.44	23.99	57.84	3.92	12.63	23.20	59.81	4.36
Cameroon	17.12	26.80	52.97	3.11	16.25	26.18	54.45	3.12
Canada	7.23	13.83	67.82	11.12	5.89	13.09	67.85	13.07
Chile	10.38	18.91	63.81	5.89	8.80	17.76	66.37	7.07
China: Mainland	8.91	18.34	67.28	5.49	7.94	16.87	68.78	7.32
Taiwan	8.82	18.54	66.17	5.67	6.87	14.43	70.52	6.16
Colombia	12.83	22.42	61.80	3.46	9.84	20.70	64.84	4.42
Cuba	8.06	16.45	68.11	6.38	7.10	15.16	68.66	9.16
Czechoslovakia	7.08	16.71	64.71	11.49	7.15	13.48	67.26	12.16
East Germany	6.75	12.76	67.32	13.17	5.79	12.73	67.83	13.66
Ecuador	15.73	25.57	58.06	3.64	12.84	24.06	59.36	3.88
Egypt	18.28	28.27	54.17	3.28	13.29	24.89	58.32	3.70
Ethiopia	17.70	28.36	51.36	2.81	17.89	27.50	51.78	2.83
France	6.77	13.88	66.00	13.35	6.00	12.88	66.61	15.81
Ghana	17.63	26.93	53.43	3.02	16.62	27.30	52.84	3.22
Greece	5.98	14.06	66.38	13.62	5.72	11.47	66.32	17.49
Hungary	5.91	15.08	66.05	12.96	6.67	12.21	67.08	14.03
India	13.60	23.29	59.72	3.39	11.19	21.80	63.08	4.13
Indonesia	13.21	24.46	59.57	2.78	10.49	20.86	64.42	4.34
Iran	17.88	25.90	52.90	3.32	16.81	26.97	52.45	3.77
Iraq	18.90	28.89	48.21	3.20	17.24	28.12	51.77	2.67
Italy	5.24	12.50	68.28	13.97	5.86	11.06	66.36	16.73
Ivory Coast	18.52	27.75	51.77	1.89	16.26	29.04	51.38	2.32
Japan	5.82	13.87	68.15	11.07	6.16	11.41	66.88	15.77
Kenya	21.45	30.06	48.40	2.09	20.21	30.46	47.23	2.11
Madagascar	18.89	27.02	50.80	3.38	18.19	28.21	50.45	3.14
Malaysia	12.73	22.96	60.48	3.84	10.22	20.47	64.86	4.34
Mexico	13.11	25.71	57.08	4.10	11.11	21.04	62.83	4.88
Morocco	15.38	25.93	54.67	4.05	13.06	24.04	58.47	4.43
Mozambique	17.94	26.90	52.86	2.62	17.37	27.29	52.76	2.58
Nepal	18.75	28.87	53.59	2.79	15.30	25.42	58.26	3.03
Netherlands	6.07	12.26	69.04	12.63	6.01	12.16	67.73	14.10
Nigeria	18.00	28.90	53.13	1.97	17.75	26.88	52.86	2.72
North Korea	13.81	24.03	58.37	3.80	11.34	22.28	61.67	4.71
Pakistan	17.19	25.91	52.85	4.06	16.46	26.20	53.45	3.89
Peru	14.86	24.97	56.53	3.86	12.84	23.36	59.88	4.22
Philippines	15.80	25.18	55.92	3.30	14.09	24.71	57.42	3.77
Poland	6.86	17.00	64.87	9.86	6.79	14.78	66.89	11.57
Portugal	6.95	15.43	65.59	12.04	6.56	13.48	68.15	13.82
Romania	7.45	16.46	66.13	9.97	7.28	14.70	66.49	12.56
Saudi Arabia	15.90	21.15	61.09	1.86	15.56	24.88	57.06	2.71
South Africa	14.24	23.98	57.52	4.26	12.63	23.13	59.78	4.48
South Korea	9.82	18.92	66.81	4.46	8.63	17.01	66.41	5.85
Soviet Union	9.41	18.61	64.66	9.12	7.87	16.26	64.37	11.51
Spain	6.23	15.46	65.71	12.61	6.43	12.48	66.67	15.84
Sri Lanka	11.08	21.97	62.03	4.92	9.19	18.07	68.46	8.29
Sudan	18.32	26.86	51.71	3.11	18.86	27.53	52.45	3.16
Syria	18.83	28.71	49.27	3.10	18.46	28.53	50.03	3.00
Tanzania	19.80	28.44	48.75	3.01	18.27	28.84	49.23	2.86
Thailand	11.56	22.08	62.45	3.81	9.70	18.89	66.14	5.18
Turkey	13.64	23.86	58.26	4.34	11.24	21.87	61.87	6.22
Uganda	19.40	28.58	49.68	2.35	19.10	28.88	49.78	2.83
United Kingdom	6.52	12.22	65.74	15.52	5.88	12.88	66.72	16.43
Venezuela	14.28	24.50	57.88	3.59	12.00	22.48	61.08	4.42
Vietnam	18.04	28.08	58.29	3.62	12.89	23.88	58.88	4.36
West Germany	4.84	9.77	69.96	15.34	5.41	10.88	68.88	17.06
Yugoslavia	7.62	15.73	67.72	8.83	6.71	13.82	68.84	12.59
Zaire	18.30	27.36	51.58	2.78	17.38	27.57	52.27	2.79

Source: U.S. Bureau of the Census, unpublished data.

No. 1400. VITAL STATISTICS, 1988, AND PROJECTIONS, 2000—SELECTED COUNTRIES

[Covers countries with 5 million or more population in 1988. AFR—Africa, EAS—East Asia, SAS—South Asia, CAR—Caribbean, MAM—Middle America, SAM—South America, NAM—North America, EUR—Europe, SOV—Soviet Union, OCE—Oceania. For region data, see table 1402. Data compiled from the International Data Base; see text, section 31.]

COUNTRY	Region	CRUDE BIRTH RATE ^{1,2}		CRUDE DEATH RATE ^{1,2}		EXPECTATION OF LIFE AT BIRTH (yrs.)		INFANT MORTALITY RATE ³		TOTAL FERTILITY RATE ⁴	
		1988	2000	1988	2000	1988	2000	1988	2000	1988	2000
United States	NAM	15.3	12.7	8.6	9.0	75.3	76.7	11	10	1.85	1.88
Afghanistan	SAS	44.8	40.3	21.2	18.6	42.2	47.8	178	148	6.54	6.58
Algeria	AFR	38.1	28.5	8.3	4.8	64.0	71.0	77	40	5.72	3.78
Angola	AFR	48.5	42.8	21.0	18.1	42.8	48.8	164	128	6.72	6.05
Argentina	SAM	20.8	19.2	8.7	8.8	70.4	72.3	33	28	2.85	2.50
Australia	OCE	15.5	14.0	7.8	8.2	75.1	77.1	8	8	1.82	1.93
Austria	EUR	12.1	11.0	11.8	10.8	75.4	77.5	9	5	1.51	1.70
Bangladesh	SAS	41.5	30.9	15.3	11.1	51.0	55.8	135	114	5.82	4.00
Belgium	EUR	12.1	11.0	11.3	11.1	75.4	78.8	8	8	1.58	1.70
Bolivia	SAM	38.2	30.2	13.3	10.4	53.9	58.8	125	105	4.85	3.75
Brazil	SAM	30.6	25.1	8.7	5.7	67.0	70.9	80	46	3.87	3.20
Bulgaria	EUR	12.9	13.2	12.3	12.7	70.8	72.2	18	14	1.93	1.90
Burkina Faso	AFR	47.3	43.6	18.5	13.9	48.6	52.3	141	109	6.58	6.89
Burma	SAS	33.8	28.1	13.2	10.8	53.8	57.9	101	80	4.29	3.51
Burundi	AFR	47.3	40.5	17.8	12.8	48.5	54.0	115	90	6.55	5.89
Cambodia	SAS	38.8	28.8	17.2	11.9	47.7	54.8	134	95	4.84	3.98
Cameroon	AFR	42.2	38.3	15.9	12.1	48.8	55.1	128	98	5.82	5.00
Canada	NAM	14.5	11.5	7.3	7.9	77.1	79.3	7	5	1.89	1.70
Chile	SAM	21.4	17.7	8.4	6.4	71.3	73.8	19	13	2.48	2.21
China, Mainland	EAS	19.4	15.2	8.8	6.5	68.8	72.8	35	23	2.22	1.75
Taiwan	EAS	16.9	14.0	5.1	6.8	73.3	74.3	18	17	1.79	1.71
Colombia	SAM	27.7	19.8	8.7	5.8	65.4	69.5	55	42	3.02	2.25
Cuba	CAR	17.2	13.8	7.3	7.5	73.1	74.8	17	14	1.78	1.80
Czechoslovakia	EUR	14.1	14.5	11.8	10.9	71.5	73.0	14	11	2.03	1.90
Denmark	EUR	11.2	11.5	11.4	11.1	75.3	77.5	7	4	1.51	1.70
Dominican Republic	CAR	33.5	26.8	8.2	6.4	62.0	68.8	68	49	3.98	3.25
East Germany	EUR	13.5	12.0	13.1	11.7	72.7	73.7	11	9	1.78	1.89
Ecuador	SAM	34.7	26.6	7.8	5.9	65.2	68.9	94	47	4.45	3.25
Egypt	AFR	37.4	29.1	10.4	7.3	58.3	64.8	96	64	5.25	3.89
El Salvador	MAM	38.7	30.2	8.8	7.0	58.8	63.8	88	82	4.77	3.50
Ethiopia	AFR	45.4	42.5	14.9	11.4	50.9	56.4	116	88	7.03	6.33
France	EUR	13.8	11.7	10.1	9.8	75.7	77.3	9	7	1.80	1.70
Ghana	AFR	41.8	36.8	10.3	7.8	59.0	63.8	70	51	5.67	4.75
Greece	EUR	11.9	11.4	9.4	9.9	77.0	79.1	12	7	1.88	1.70
Guatemala	MAM	35.8	28.5	9.3	7.5	60.4	64.5	85	50	4.98	3.50
Guinea	AFR	47.8	38.8	22.8	17.2	41.5	47.0	152	122	6.07	5.48
Haiti	CAR	32.7	26.3	12.3	10.0	55.4	59.8	94	75	4.41	3.28
Hong Kong	EAS	13.4	11.9	5.0	8.5	78.0	79.3	7	5	1.40	1.70
Hungary	EUR	12.1	13.7	14.1	13.4	69.1	71.1	20	15	1.85	1.90
India	SAS	31.2	24.1	10.9	8.6	58.9	62.1	94	67	3.97	3.00
Indonesia	SAS	29.1	22.3	8.9	7.0	58.4	66.4	89	58	3.50	2.58
Iran	SAS	45.0	38.8	12.7	9.5	58.8	61.8	113	94	6.29	5.67
Iraq	SAS	45.0	38.9	8.8	7.1	61.7	65.5	88	72	7.14	5.50
Italy	EUR	11.0	11.8	9.9	10.5	78.7	78.0	8	8	1.48	1.70
Ivory Coast	AFR	48.2	42.7	13.1	9.9	62.9	58.3	104	78	6.88	6.03
Japan	EAS	11.9	12.6	7.1	9.0	77.8	78.5	6	6	1.79	1.78
Kenya	AFR	51.5	48.4	9.3	8.4	60.6	65.8	72	50	7.88	6.88
Madagascar	AFR	47.1	42.7	16.5	11.5	51.3	56.7	101	78	6.94	6.25
Malawi	AFR	50.1	48.4	17.8	13.3	47.6	53.0	134	105	7.88	6.79
Malaysia	SAS	26.5	20.9	8.5	5.8	67.0	70.5	33	21	3.03	2.45
Mali	AFR	49.1	44.3	20.5	15.5	45.3	51.0	153	129	6.58	5.93
Mexico	MAM	27.9	23.1	5.8	5.1	69.7	73.1	44	32	3.30	2.54
Morocco	AFR	35.1	28.1	9.0	5.8	63.0	69.8	82	58	4.86	3.48
Mozambique	AFR	48.8	42.1	18.5	14.2	45.9	51.3	145	114	6.49	5.84
Namibia	AFR	44.8	41.0	10.4	7.4	59.1	64.1	74	52	6.84	5.97
Nepal	SAS	40.1	35.8	15.9	11.7	49.2	55.2	103	83	5.79	4.88
Netherlands	EUR	12.7	11.8	8.8	8.9	77.1	78.8	8	5	1.55	1.70
Niger	AFR	49.5	44.6	17.6	13.3	48.5	53.8	138	117	6.80	6.12
Nigeria	AFR	48.1	43.1	17.0	13.7	47.7	52.8	122	103	6.54	5.89
North Korea	EAS	29.8	23.3	5.4	4.9	69.8	72.5	33	28	3.59	2.84
Pakistan	SAS	43.2	38.9	14.5	11.8	53.9	57.8	121	108	6.67	5.77

See footnotes at end of table.

No. 1405. VITAL STATISTICS, 1988, AND PROJECTIONS, 2000—SELECTED COUNTRIES—Continued

[See headnote p. 817]

COUNTRY	Re- gion	CRUDE BIRTH RATE ^{1 2}		CRUDE DEATH RATE ^{1 2}		EXPECTATION OF LIFE AT BIRTH (yrs.)		INFANT MORTALITY RATE ³		TOTAL FERTILITY RATE ²	
		1988	2000	1988	2000	1988	2000	1988	2000	1988	2000
Peru.....	SAM	34.3	28.2	9.2	7.0	61.5	66.3	88	69	4.46	3.50
Philippines.....	SAS	34.8	30.4	6.9	5.9	65.6	69.7	49	37	4.88	4.12
Poland.....	EUR	16.8	13.8	10.4	10.3	70.2	71.8	21	17	2.27	1.90
Portugal.....	EUR	14.5	12.8	9.5	9.6	74.1	76.1	16	11	1.63	1.70
Puerto Rico.....	CAR	18.8	17.4	6.5	6.2	74.9	76.0	17	13	2.13	2.05
Romania.....	EUR	16.0	14.3	10.6	10.7	70.2	71.7	25	20	2.25	1.90
Rwanda.....	AFR	59.2	47.9	15.9	11.5	50.9	56.3	119	91	8.49	7.65
Saudi Arabia.....	SAS	38.2	35.4	7.1	4.9	64.1	70.6	76	51	6.88	6.46
Senegal.....	AFR	46.0	43.8	15.6	11.9	51.6	57.1	88	82	6.60	6.00
Somalia.....	AFR	47.0	41.9	15.3	11.1	52.2	56.8	131	100	7.29	6.55
South Africa.....	AFR	31.8	26.9	9.4	7.7	61.1	66.3	65	47	4.12	3.42
South Korea.....	EAS	20.5	17.4	6.3	6.1	69.0	72.4	25	15	2.22	2.11
Soviet Union.....	SOV	16.8	16.2	10.8	9.4	68.9	73.2	25	15	2.45	2.27
Spain.....	EUR	13.1	12.8	8.3	9.2	77.1	78.5	11	8	1.74	1.70
Sri Lanka.....	SAS	22.4	19.0	5.6	5.7	70.4	73.4	28	19	2.57	2.22
Sudan.....	AFR	44.4	38.7	14.4	10.7	52.4	57.8	101	76	8.52	5.52
Sweden.....	EUR	11.7	10.8	11.5	11.9	77.3	78.6	6	5	1.73	1.70
Switzerland.....	EUR	11.5	10.4	9.5	10.7	78.0	78.5	6	5	1.55	1.70
Syria.....	SAS	43.6	40.9	6.3	4.2	67.5	72.1	42	30	6.85	6.00
Tanzania.....	AFR	49.9	46.0	16.3	12.0	50.6	56.1	111	88	7.09	6.39
Thailand.....	SAS	24.8	20.2	7.4	6.8	64.8	66.4	52	36	2.80	2.29
Tunisia.....	AFR	29.3	23.9	6.4	5.1	66.9	72.6	46	29	4.06	3.01
Turkey.....	SAS	30.4	23.9	6.5	6.8	63.7	68.8	88	54	3.84	2.90
Uganda.....	AFR	49.0	44.9	15.7	11.8	49.6	55.0	101	77	7.02	6.32
United Kingdom.....	EUR	13.5	11.2	11.8	11.2	75.1	76.9	9	6	1.77	1.70
Venezuela.....	SAM	30.6	25.4	5.5	5.4	69.4	71.2	39	34	3.76	3.13
Vietnam.....	SAS	33.7	26.8	8.1	5.9	63.4	69.1	53	33	4.36	3.27
West Germany.....	EUR	10.6	10.3	11.7	11.7	75.8	77.2	8	5	1.37	1.70
Yemen (Sanaa).....	SAS	52.5	50.2	18.2	13.2	47.7	54.0	135	101	7.71	7.00
Yugoslavia.....	EUR	15.5	13.6	9.2	9.7	71.8	73.0	28	21	2.03	1.90
Zaire.....	AFR	44.9	40.8	14.2	10.6	52.2	57.6	109	82	6.23	5.60
Zambia.....	AFR	49.6	43.9	12.5	9.1	55.1	60.4	85	63	7.00	6.30
Zimbabwe.....	AFR	47.0	42.2	9.6	6.3	60.1	65.4	70	47	6.53	5.74

¹ Per 1,000 population. ² For definition, see headnote, table 1402. ³ Number of deaths of children under 1 year of age per 1,000 live births in a calendar year.
Source: U.S. Bureau of the Census, unpublished data.

No. 1405. POPULATION OF THE WORLD'S 100 LARGEST URBAN AREAS, 1960 TO 1985, AND PROJECTIONS, 1990 AND 2000

[In millions. The 100 largest cities are large urban agglomerations, composed, in most cases, of the central city, adjacent smaller cities and towns, and suburbs. City boundaries depend on local administrative boundaries, population densities, types of economic activity and other characteristics. Rankings depend on the population living within the urban agglomeration boundaries as determined by local and national governments. Rankings would not necessarily be the same if uniform criteria were used. The estimates for the Chinese cities should be considered tentative]

CITIES RANKED BY POPULATION SIZE, 1960	1960	1970	1975	1985	1988	1990, proj.	2000, proj.
Tokyo/Yokohama, Japan.....	10.7	14.9	16.4	17.7	19.0	20.5	21.9
Mexico City, Mexico.....	4.9	8.7	11.1	14.0	18.7	19.4	24.4
New York, U.S.....	14.2	16.2	15.9	15.6	15.6	15.7	16.1
Sao Paulo, Brazil.....	4.7	8.1	10.1	12.5	15.5	16.4	23.6
Shanghai, China: Mainland.....	10.7	11.4	11.6	11.8	12.1	12.6	14.7
Buenos Aires, Argentina.....	8.7	8.3	9.1	9.9	10.8	11.6	13.1
London, England.....	10.7	10.6	10.4	10.4	10.5	10.6	10.8
Calcutta, India.....	5.5	6.9	7.9	9.0	10.3	11.8	15.9
Rio De Janeiro, Brazil.....	4.9	7.0	8.0	9.0	10.1	11.1	13.0
Seoul, South Korea.....	2.4	5.3	6.8	8.3	10.1	11.3	13.0
Los Angeles, U.S.....	6.5	8.4	8.9	9.5	10.0	10.5	10.9
Osaka/Kobe, Japan.....	5.8	7.6	8.0	8.7	9.6	10.6	11.2
Greater Bombay, India.....	4.1	5.8	6.9	8.1	9.5	11.1	15.4
Beijing, China: Mainland.....	7.3	8.3	8.9	9.1	9.3	9.7	11.5
Moscow, Soviet Union.....	6.3	7.1	7.6	8.2	8.9	9.4	10.1
Paris, France.....	7.2	8.3	8.6	8.7	8.8	8.9	8.8
Tianjin, China: Mainland.....	6.0	6.9	7.4	7.7	8.0	8.4	10.0
Cairo/Giza, Egypt.....	3.7	5.3	6.1	6.9	7.9	9.1	11.8
Jakarta, Indonesia.....	2.7	4.3	5.3	6.4	7.8	9.4	13.2
Milan, Italy.....	4.5	5.5	6.1	6.8	7.5	7.9	8.7

See footnotes at end of table.

NO. 1406. POPULATION OF THE WORLD'S 100 LARGEST URBAN AREAS, 1980 TO 1985, AND PROJECTIONS, 1990 AND 2000—Continued

[See headnote p. 618]

CITIES RANKED BY POPULATION SIZE, 1985	1980	1970	1975	1980	1985	1990, proj.	2000, proj.
Tehran, Iran	1.9	2.3	4.3	5.8	7.2	8.2	12.7
Manila/Quezon, Philippines	2.3	3.5	5.0	6.0	7.1	8.4	11.8
Delhi, India	2.3	3.5	4.4	5.5	7.0	8.8	12.8
Chicago, U.S.	5.0	6.7	6.8	6.8	6.8	6.9	7.0
Karachi, Pakistan	1.9	3.1	4.0	5.0	6.2	7.7	11.8
Bangkok, Thailand	2.2	3.1	3.8	4.8	5.9	7.2	10.3
Lagos, Nigeria	.8	2.0	3.3	4.5	5.8	7.6	12.5
Lima—Callao, Peru	1.7	2.8	3.8	4.4	5.4	6.5	8.8
Hong Kong, Hong Kong	2.6	3.4	3.9	4.5	5.2	5.4	6.1
Leningrad, Soviet Union	3.6	4.0	4.3	4.7	5.1	5.4	6.8
Madras, India	1.7	3.0	3.6	4.2	4.9	5.7	7.9
Madrid, Spain	2.2	3.4	3.8	4.3	4.8	5.1	5.4
Dacca, Bangladesh	.7	1.5	2.3	3.3	4.8	6.4	11.3
Bogotá, Colombia	1.3	2.4	3.1	3.9	4.7	5.8	8.9
Baghdad, Iraq	1.0	2.1	2.7	3.5	4.4	5.4	7.7
Naples, Italy	3.2	3.8	3.8	4.0	4.3	4.3	4.5
Santiago, Chile	2.0	2.8	3.2	3.7	4.2	4.7	5.8
Philadelphia, U.S.	3.6	4.0	4.1	4.1	4.2	4.2	4.3
Shenyang, China	2.5	3.1	3.5	3.8	4.1	4.5	5.5
Pusan, South Korea	1.2	1.8	2.4	3.1	4.0	4.8	5.8
Detroit, U.S.	3.8	4.0	3.8	3.8	3.8	3.8	3.9
Bangalore, India	1.2	1.8	2.1	2.6	3.7	4.8	7.7
Rome, Italy	2.3	3.1	3.3	3.5	3.7	3.7	3.8
Sydney, Australia	2.1	2.7	3.0	3.3	3.6	3.8	4.1
Caracas, Venezuela	1.3	2.1	2.5	2.9	3.5	4.0	4.8
Wuhan, China: Mainland	2.2	2.7	3.0	3.2	3.4	3.7	4.5
Lahore, Pakistan	1.3	2.0	2.4	2.9	3.4	4.1	5.8
Katowice, Poland	2.4	2.8	2.9	3.2	3.4	3.8	3.9
Guangzhou, China: Mainland	1.9	2.5	2.8	3.1	3.3	3.6	4.5
San Francisco, U.S.	2.4	3.0	3.1	3.2	3.3	3.4	3.5
Barcelona, Spain	2.0	2.7	2.9	3.1	3.3	3.3	3.4
Belo Horizonte, Brazil	.8	1.8	2.0	2.5	3.2	3.8	6.0
Toronto, Canada	1.7	2.5	2.6	3.0	3.2	3.3	3.6
Melbourne, Australia	1.9	2.3	2.6	2.8	3.0	3.1	3.3
Birmingham, United Kingdom	2.7	2.8	2.9	2.9	3.0	3.0	3.1
Ahmedabad, India	1.2	1.7	2.0	2.5	3.0	3.8	5.1
Hyderabad, India	1.2	1.8	2.1	2.5	2.9	3.5	4.9
Istanbul, Turkey	1.5	2.8	2.9	2.9	2.9	3.0	3.3
Ankara, Turkey	.8	1.3	1.7	2.2	2.8	3.8	5.2
Washington, D.C., U.S.	1.8	2.5	2.6	2.8	2.9	3.0	3.2
Alexandria, Egypt	1.5	2.0	2.2	2.5	2.9	3.3	4.3
Montreal, Canada	2.0	2.7	2.8	2.8	2.8	2.8	2.9
Houston, U.S.	1.2	1.7	2.0	2.4	2.8	3.2	3.8
Ho Chi Minh Village, Viet Nam	1.3	2.0	2.2	2.5	2.8	3.2	4.4
Athens, Greece	1.8	2.1	2.3	2.5	2.8	2.8	3.2
Chongqing, China: Mainland	2.2	2.5	2.6	2.7	2.7	2.9	3.4
Rangoon, Burma	1.0	1.4	1.8	2.3	2.7	3.2	4.5
Boston, U.S.	2.4	2.7	2.7	2.7	2.7	2.7	2.8
Algier, Algeria	.9	1.2	1.6	2.1	2.7	3.4	5.2
Chengdu, China: Mainland	1.1	1.8	2.0	2.4	2.7	3.1	4.0
Casablanca, Morocco	1.1	1.5	1.8	2.2	2.7	3.3	4.8
Porto Alegre, Brazil	1.0	1.5	1.8	2.2	2.7	3.1	3.9
Recife, Brazil	1.2	1.8	2.0	2.3	2.7	3.0	3.6
Dallas, U.S.	1.2	2.0	2.2	2.5	2.7	2.8	3.1
Guadalajara, Mexico	.9	1.5	1.9	2.3	2.7	3.1	3.8
Harbin, China	1.8	2.0	2.2	2.4	2.6	2.8	3.8
Kiev, Soviet Union	1.2	1.7	1.9	2.2	2.6	2.8	3.4
Kinshasa, Zaire	.5	1.4	1.8	2.2	2.8	3.0	4.4
Singapore, Singapore	1.2	1.8	1.9	2.4	2.8	2.7	3.0
Manchester, United Kingdom	2.5	2.5	2.5	2.5	2.5	2.5	2.6
Taipei, China	1.0	1.5	1.8	2.2	2.5	2.8	3.8
Monterrey, Mexico	.9	1.2	1.6	2.0	2.4	2.8	3.8
Zibo, China	.8	1.3	1.7	2.0	2.4	2.8	3.8
Turin, Italy	1.3	1.8	1.8	2.1	2.3	2.5	2.8
Surabaya, Indonesia	1.0	1.5	1.7	2.0	2.3	2.7	3.7
Xian, China	1.3	1.7	2.0	2.1	2.3	2.5	3.1
Hamburg, West Germany	2.1	2.2	2.2	2.2	2.2	2.2	2.2
Bucaresti, Romania	1.4	1.7	1.9	2.1	2.2	2.3	2.6
Lupanshui, China	1.2	1.7	1.9	2.0	2.2	2.4	3.0
Munich, West Germany	1.3	1.7	1.9	2.1	2.2	2.3	2.3
Salvador, Brazil	.7	1.1	1.4	1.8	2.2	2.6	3.4
Nanjing, China	1.5	1.8	1.8	2.1	2.2	2.3	2.8
Tashkent, Soviet Union	1.0	1.4	1.8	1.8	2.1	2.3	2.7
Kiatsuyahu, Japan	1.3	1.8	1.7	1.9	2.1	2.3	2.4
West Berlin, West Germany	2.2	2.1	2.1	2.1	2.1	2.1	2.1
Budapest, Hungary	1.8	2.0	2.1	2.1	2.1	2.1	2.2
Leeds—Bradford, United Kingdom	1.9	2.0	2.0	2.0	2.1	2.1	2.1
Medan, Indonesia	.5	.8	.8	1.3	2.1	3.0	5.4
Nagoya, Japan	1.5	1.8	1.9	2.0	2.1	2.1	2.1
Poona, India	.7	1.1	1.3	1.5	2.0	2.4	3.8

Source: United Nations, Dept. for International Economic and Social Affairs, New York, NY, *The Prospects of World Urbanization: Revised as of 1984-1985*, forthcoming.

No. 1407. DEATH RATES BY SELECTED CAUSES—SELECTED COUNTRIES

[Age-standardized death rate per 100,000 population. For explanation of age-adjustment, see text, section 2. The standard population for this table is the European standard; see source for details. Deaths classified according to ninth revision of *International Classification of Diseases*; see text, section 2]

COUNTRY	Year	Ische- mic heart dis- ease	Cerebro- vascular disease	MALIGNANT NEOPLASM OF—			Bronchi- tis, ² emphy- sema, asthma	Chron- ic liver dis- ease and cirrho- sis	Motor vehi- cle traffic acci- dents	Sui- cide
				Lung, tra- chea, bron- chus	Stom- ach	Female breast ¹				
United States	1984	218.1	60.1	52.7	6.0	31.9	6.3	12.9	18.1	12.4
Australia.....	1985	230.9	95.6	41.0	10.1	30.0	16.9	8.7	17.9	11.8
Austria.....	1985	155.1	133.2	34.3	20.7	31.6	22.3	26.6	17.3	26.7
Belgium.....	1984	120.6	95.0	55.9	14.7	36.8	22.6	12.4	16.7	22.7
Bulgaria.....	1985	245.9	254.5	30.6	24.2	21.5	26.6	16.2	12.0	15.6
Canada	1985	200.6	57.5	50.6	9.0	34.5	9.7	10.1	15.3	12.8
Czechoslovakia.....	1985	269.4	194.3	51.3	22.4	27.3	33.6	19.6	10.9	19.6
Denmark	1985	243.8	73.4	52.2	10.9	39.7	37.1	12.2	14.0	26.9
Finland	1985	259.8	105.0	36.4	17.3	23.9	19.6	6.9	11.9	26.3
France.....	1985	76.0	79.7	32.2	10.8	27.1	11.7	22.9	17.3	21.8
Hungary	1985	240.1	166.5	55.0	25.9	31.2	43.6	42.1	15.7	44.1
Italy.....	1983	126.9	121.9	42.1	23.9	26.9	30.9	31.5	16.6	7.3
Japan	1985	41.9	112.8	24.9	40.7	8.1	12.2	14.4	10.1	21.1
Netherlands.....	1985	164.6	71.1	56.3	15.6	36.2	17.6	5.5	9.2	11.2
New Zealand.....	1985	250.5	86.4	42.0	11.2	37.7	25.6	4.6	20.9	10.6
Norway.....	1985	206.5	86.6	26.3	14.4	25.9	16.2	6.9	9.7	14.2
Poland.....	1985	109.4	75.3	47.2	24.2	21.1	33.4	12.0	14.3	13.6
Portugal	1985	76.6	216.4	16.7	26.5	22.6	17.6	30.0	24.4	6.4
Spain.....	1981	79.0	133.9	26.0	19.7	19.0	19.1	23.3	15.4	4.6
Sweden.....	1985	244.7	73.0	23.2	12.5	26.0	14.3	6.4	9.2	17.2
Switzerland.....	1985	112.0	65.6	36.6	12.0	36.6	17.5	10.4	14.6	21.4
United Kingdom: England and Wales.....	1985	247.6	104.5	57.2	15.2	41.9	24.2	4.6	6.6	6.6
Scotland.....	1985	266.0	126.4	66.7	14.9	41.2	14.6	7.3	11.1	10.9
West Germany.....	1985	159.5	100.4	34.6	16.3	32.6	26.1	19.3	12.5	17.0

¹ Data for female population only. ² Chronic and unspecified.

Source: World Health Organization, Geneva, Switzerland, *World Health Statistics*, annual.

No. 1405. SUICIDE RATES FOR SELECTED COUNTRIES, BY SEX AND AGE GROUP

[Rate per 100,000 population. Includes deaths resulting indirectly from self-inflicted injuries. Except as noted, deaths classified according to the ninth revision of the *International Classification of Diseases* (I.C.D.); see text, section 2]

SEX AND AGE	United States, 1984	Aus- tralia, 1986	Aus- tria, 1986	Can- ada, 1986	Den- mark, ¹ 1986	France, 1986	Italy, 1983	Japan, 1986	Nether- lands, 1986	Po- land, 1986	Swe- den, ¹ 1986	Unit- ed King- dom, ² 1986	West Ger- many, 1986
MALE													
Total ³	16.7	18.2	42.1	29.5	33.1	33.1	11.9	27.6	14.6	22.0	26.9	12.1	26.6
15-24 yrs. old ...	20.5	24.0	31.0	25.2	17.0	17.0	5.2	14.1	10.6	17.5	14.3	6.2	17.7
25-34 yrs. old ...	24.9	26.6	46.6	27.0	36.7	35.2	6.4	25.1	17.6	29.3	32.0	16.3	25.3
35-44 yrs. old ...	22.6	22.5	53.3	24.7	36.5	36.5	9.1	31.6	16.1	33.5	29.0	16.3	26.5
45-54 yrs. old ...	23.7	21.5	54.2	26.4	56.6	45.4	14.6	51.0	20.0	36.7	39.3	17.1	35.6
55-64 yrs. old ...	27.2	22.0	52.5	26.5	55.3	46.0	16.4	44.6	21.0	35.9	32.7	16.1	35.7
65-74 yrs. old ...	33.5	24.6	72.8	26.5	57.7	61.4	29.7	43.9	26.1	30.6	36.2	16.9	44.7
75 yrs. old and over.....	49.1	27.4	106.5	26.4	63.4	120.5	47.9	76.6	41.0	29.3	45.3	22.3	72.6
FEMALE													
Total ³	6.4	6.1	15.6	5.4	20.6	12.7	4.3	14.6	6.1	4.4	11.6	6.7	12.9
15-24 yrs. old ...	4.4	4.9	9.7	4.0	8.1	4.7	1.3	6.0	3.1	2.7	7.6	1.6	5.3
25-34 yrs. old ...	6.1	4.7	14.3	6.6	14.3	10.6	3.3	11.6	9.3	5.3	13.2	4.4	9.1
35-44 yrs. old ...	7.7	6.1	16.5	6.0	26.6	14.6	3.7	12.6	9.9	5.6	15.5	6.4	10.5
45-54 yrs. old ...	9.2	6.7	20.2	9.0	34.0	17.7	5.6	16.4	12.5	6.4	14.6	9.2	14.6
55-64 yrs. old ...	8.5	6.3	16.9	6.0	41.5	20.6	6.3	20.2	14.6	7.6	13.6	10.5	16.5
65-74 yrs. old ...	7.3	7.6	29.0	7.6	34.1	26.6	10.1	33.0	15.5	6.6	20.1	11.9	23.6
75 yrs. old and over.....	6.0	9.7	31.5	5.3	24.6	27.5	11.0	59.1	10.6	5.5	14.0	10.1	24.6

¹ Based on the eighth revision of the I.C.D. ² England and Wales only. ³ Includes other age groups not shown separately.

Source: World Health Organization, Geneva, Switzerland, *World Health Statistics*, annual; and unpublished data.

No. 1408. HEALTH EXPENDITURES—SELECTED COUNTRIES: 1960 AND 1966

[G.D.P. = gross domestic product; for explanation, see text, section 14. For explanation of purchasing power parities, see text, section 31]

COUNTRY	TOTAL HEALTH EXPENDITURES				PUBLIC HEALTH EXPENDITURES, 1966—	
	Percent of G.D.P.		Per capita, 1966 on basis of—		Percent of gross domestic product	Percent of total health expenditures ¹
	1960	1966	Ex-change rates	G.D.P. purchasing power parities		
United States	9.2	11.1	\$1,826	\$1,826	4.5	40.8
Australia	6.8	6.8	760	877	6.6	73.0
Austria	7.9	6.0	669	606	5.3	66.1
Belgium	6.8	7.1	629	626	5.5	76.9
Canada	7.4	6.5	1,208	1,370	6.6	76.0
Denmark	8.9	6.1	960	960	6.2	83.9
Finland	6.3	7.5	1,070	960	5.6	77.3
France	7.4	6.5	1,112	1,039	6.7	79.2
Greece	4.2	3.9	157	246	3.7	64.8
Iceland	6.9	7.5	1,201	1,072	6.3	83.3
Ireland	6.5	7.9	890	649	7.0	87.8
Italy	6.8	6.7	702	764	5.2	76.0
Japan	6.8	6.7	1,089	831	4.8	72.9
Luxembourg	8.1	6.3	829	808	6.3	80.7
Netherlands	6.2	6.3	1,009	964	6.8	76.7
New Zealand	7.2	6.3	676	716	5.8	81.1
Norway	6.8	6.3	1,149	1,021	6.6	87.3
Portugal	5.9	5.6	169	310	4.0	71.2
Spain	5.9	6.0	369	496	4.3	71.5
Sweden	9.5	8.1	1,439	1,196	6.3	80.8
Switzerland	7.2	6.0	1,649	1,217	5.4	67.7
United Kingdom	5.8	6.2	897	711	4.5	66.2
West Germany	7.9	6.1	1,162	1,061	6.3	78.1

¹ Preliminary estimates.Source: Schieber, George J. and Jean-Pierre Poulier, "International Health Care Expenditure and Utilization Trends", *Health Affairs*, Fall 1968.

No. 1410. PUBLIC EXPENDITURE FOR EDUCATION AND ILLITERACY, BY SELECTED COUNTRY

[Expenditures: Includes both capital and current expenditures on public education and subsidized private education. Illiteracy: Defined as inability both to read and write in any, or a specified, language. See text, section 31, for general comments concerning the data. For additional qualifications for individual countries, see source.]

COUNTRY	PUBLIC EXPENDITURE FOR EDUCATION			Percent of adult population illiterate, ¹ 1966	COUNTRY	PUBLIC EXPENDITURE FOR EDUCATION			Percent of adult population illiterate, ¹ 1966
	Year	Percent of total public expenditure	Percent of gross national product			Year	Percent of total public expenditure	Percent of gross national product	
United States	1963	(NA)	5.7	(NA)	Mexico	1966	(NA)	² 2.1	³ 9.7
Afghanistan	1962	6.4	(NA)	78.3	Morocco	1963	22.0	7.9	66.9
Algeria	1966	⁴ 14.8	⁵ 6.1	60.4	Nepal	1965	10.8	3.0	74.4
Argentina	1966	⁶ 7.5	⁷ 1.8	4.5	Netherlands	1964	16.8	6.9	(NA)
Australia	1965	12.8	6.4	(NA)	Nigeria	1966	⁸ 12.0	⁹ 1.8	57.6
Bangladesh	1966	¹⁰ 10.5	¹¹ 2.1	66.6	Pakistan	1965	(NA)	2.1	70.4
Brazil	1966	¹² 17.2	¹³ 2.3	22.3	Peru	1966	¹⁴ 15.7	¹⁵ 1.7	15.2
Burma	1977	12.2	1.6	(NA)	Philippines	1966	(NA)	1.7	14.3
Canada	1966	15.5	7.7	(NA)	Poland	1966	¹⁶ 11.5	¹⁷ 3.8	(NA)
Chile	1965	15.3	4.6	¹⁸ 6.6	Portugal	1966	(NA)	4.4	¹⁹ 16.0
China: Mainland	1960	(NA)	2.3	30.7	Romania	1965	(NA)	2.1	(NA)
Colombia	1966	²⁰ 24.7	²¹ 2.9	11.9	Saudi Arabia	1966	11.2	10.6	(NA)
Czechoslovakia	1966	6.1	²² 5.2	(NA)	South Korea	1966	27.3	4.5	(NA)
East Germany	1966	(NA)	²³ 5.5	(NA)	Soviet Union	1966	(NA)	²⁴ 7.0	(NA)
Egypt	1965	11.5	5.5	58.5	Spain	1966	13.3	3.2	5.6
Ethiopia	1966	9.9	2.6	²⁵ 44.5	Sri Lanka	1966	9.4	3.5	12.9
France	1964	(NA)	6.1	(NA)	Sudan	1966	²⁶ 15.0	²⁷ 4.2	(NA)
Ghana	1966	(NA)	²⁸ 3.4	46.6	Syria	1966	(NA)	6.6	40.0
Hungary	1966	6.4	3.7	(NA)	Tanzania	1965	²⁹ 19.0	³⁰ 4.3	(NA)
India	1965	9.4	3.6	66.5	Thailand	1966	(NA)	3.9	8.0
Indonesia	1961	9.3	2.0	25.9	Turkey	1966	(NA)	2.1	³¹ 25.8
Iran	1966	19.5	(NA)	49.2	Uganda	1963	(NA)	2.7	42.7
Iraq	1965	(NA)	3.8	³² 10.7	United Kingdom	1964	11.3	5.2	(NA)
Italy	1966	³³ 6.6	³⁴ 4.7	³⁵ 3.0	Venezuela	1965	21.3	6.6	11.4
Japan	1965	17.9	5.1	(NA)	West Germany	1965	9.2	4.5	(NA)
Kenya	1965	(NA)	6.7	40.6	Yugoslavia	1966	(NA)	3.6	8.8
Malaysia	1966	(NA)	7.8	29.5	Zaire	1966	³⁶ 32.3	³⁷ 3.4	38.8
					Zimbabwe	1965	16.0	7.9	38.0

NA: Not available. ¹ Population, 15 years old and over. Estimated by source, except as noted. ² Expenditure of the Ministry of Basic and Secondary Education only. ³ Ministry of Education expenditures only. ⁴ Excludes expenditures of municipalities. ⁵ Estimates made by country itself. ⁶ Percent of net material product. ⁷ Current expenditures only. ⁸ Population, 10 years old and over. ⁹ Excludes expenditures on universities. ¹⁰ Population, 15-49 years old. ¹¹ Federal government expenditures only.

Source: United Nations Educational, Scientific, and Cultural Organization, Paris, France, Statistical Yearbook (various years).

**NO. 1411. GROSS NATIONAL PRODUCT IN CURRENT AND CONSTANT (1984) DOLLARS AND PER
CAPITA: 1975 TO 1985**

[In billions of dollars, except per capita. For explanation of conversion to U.S. dollars, see headnote, table 1448. For explanation of gross national product (GNP), see text, section 14]

COUNTRY	CURRENT DOLLARS						CONSTANT (1984) DOLLARS					
	1975	1980	1982	1983	1984	1985	1975	1980	1985	Per capita (dol.)		
										1975	1980	1985
United States	1,598.0	2,732.0	3,166.0	3,406.0	3,772.0	4,010.0	2,903.0	3,434.0	3,887.0	13,440	15,080	16,240
Afghanistan	2.1	3.3	13.6	13.6	13.7	13.5	3.8	4.2	13.4	268	278	248
Algeria	16.7	33.4	42.5	46.8	51.3	54.9	30.3	41.9	53.2	1,875	2,225	2,413
Argentina	40.6	64.7	64.2	68.0	72.4	71.8	73.7	81.4	89.4	2,830	2,882	2,287
Austria	27.6	48.1	56.9	61.1	63.8	67.7	50.2	60.5	65.8	6,842	8,015	8,574
Bangladesh	5.2	9.6	12.0	12.9	14.0	15.0	9.4	12.1	14.5	123	137	143
Belgium	36.7	60.6	70.4	73.1	77.0	80.6	66.6	76.1	78.1	6,787	7,731	7,923
Brazil	81.1	180.9	182.8	182.4	197.5	220.6	147.3	202.3	213.8	1,355	1,642	1,527
Bulgaria	26.1	42.6	52.6	53.9	57.8	57.8	51.0	53.8	56.0	5,850	6,079	6,256
Burma	2.1	4.0	5.3	5.7	6.3	6.9	3.8	5.1	6.7	124	152	179
Canada	142.5	240.0	276.1	296.1	322.5	346.1	256.9	301.6	305.4	11,290	12,530	13,220
Chile	7.4	15.3	15.4	16.0	17.2	18.8	13.4	19.3	18.0	1,309	1,738	1,480
China:												
Mainland ¹	64.7	179.0	236.5	270.0	319.6	368.9	172.1	225.0	357.5	187	229	342
Taiwan	14.7	35.2	44.9	50.3	57.9	62.2	26.8	44.3	60.3	1,661	2,489	3,127
Colombia	14.6	27.8	33.0	34.7	36.7	38.7	26.5	34.9	37.5	1,100	1,316	1,274
Czechoslovakia	61.7	99.5	117.6	124.0	131.9	136.8	112.0	125.0	132.6	7,584	8,197	8,556
East Germany	77.1	125.3	146.4	157.3	167.9	177.4	140.0	167.5	171.9	8,309	9,412	10,330
Egypt	12.3	27.8	36.0	39.3	41.6	44.4	22.3	34.9	43.0	602	827	875
Ethiopia	2.1	3.5	4.3	4.6	4.7	4.5	3.8	4.4	4.4	106	115	101
France	220.4	375.4	446.7	465.3	487.8	506.5	400.3	471.9	492.6	7,566	8,759	8,932
Ghana	4.3	6.4	6.7	6.7	7.6	6.1	7.7	6.1	7.9	771	745	604
Greece	14.6	26.6	30.6	31.6	33.5	35.0	26.8	33.4	33.9	2,965	3,461	3,411
Hungary	37.4	59.9	72.9	74.9	79.9	80.6	68.0	75.3	78.1	5,454	7,031	7,331
India	67.6	117.1	146.9	166.6	179.1	196.5	123.1	147.1	180.5	196	214	248
Indonesia	26.5	52.9	69.2	73.9	81.3	86.2	46.3	66.5	63.5	336	429	483
Iran	76.4	116.2	143.7	161.7	183.4	184.2	136.6	146.0	159.1	4,180	3,729	3,365
Iraq	18.9	54.1	34.4	34.2	37.5	37.9	34.3	67.9	36.8	3,085	5,147	2,326
Italy	155.3	272.6	313.9	325.6	347.2	366.4	282.0	342.4	366.1	5,075	6,066	6,216
Japan	458.5	850.5	1,067.0	1,146.0	1,256.0	1,381.0	632.8	1,069.0	1,319.0	7,484	9,151	10,820
Kenya	2.2	4.1	5.1	5.5	5.7	6.2	4.0	5.2	6.0	294	311	291
Madagascar	1.4	2.1	2.2	2.2	2.2	2.3	2.5	2.7	2.3	330	306	225
Malaysia	9.4	20.3	26.6	28.7	31.7	32.4	17.0	25.6	31.4	1,366	1,967	2,036
Mexico	64.0	125.3	150.0	148.5	161.3	173.4	116.2	167.4	168.1	1,880	2,245	2,139
Morocco	4.4	8.3	10.1	10.7	11.3	12.0	8.0	10.4	11.8	442	507	501
Mozambique	2.0	3.0	3.3	2.9	2.5	2.2	3.7	3.7	2.1	356	306	156
Nepal	1.0	1.7	2.2	2.3	2.5	2.7	1.9	2.1	2.8	143	143	152
Netherlands	56.9	97.1	110.9	117.1	124.1	130.7	107.0	122.0	126.7	7,637	8,625	8,741
Nigeria	43.6	75.6	79.6	78.7	77.8	79.4	79.2	95.0	77.0	1,027	1,055	749
North Korea ¹	9.0	15.6	20.5	21.6	23.0	24.3	16.4	19.6	23.6	1,031	1,069	1,155
Pakistan	10.7	21.3	27.6	31.1	33.7	37.4	19.5	26.6	36.3	261	315	367
Peru	10.2	16.3	19.9	17.8	18.2	20.1	18.5	20.5	19.5	1,223	1,184	989
Philippines	12.9	25.3	31.0	32.6	31.5	31.3	23.5	31.8	30.3	526	624	520
Poland	122.1	183.3	200.3	216.4	236.0	245.6	221.6	230.4	236.0	6,629	6,476	6,399
Portugal	8.1	14.7	17.3	18.1	18.1	19.4	14.7	19.5	16.8	1,562	1,892	1,853
Romania	50.6	66.9	106.0	110.3	121.3	126.6	91.9	111.6	122.7	4,325	5,034	5,369
South Africa	31.6	52.2	63.5	64.5	70.4	71.6	57.2	65.6	69.3	2,247	2,251	2,115
South Korea	23.4	49.1	63.0	73.3	82.4	69.4	42.4	60.4	66.6	1,157	1,586	2,110
Soviet Union	937.0	1,541.0	1,868.0	1,991.0	2,091.0	2,197.0	1,702.0	1,937.0	2,129.0	6,689	7,270	7,636
Spain	73.6	119.5	137.0	145.1	153.8	162.9	130.6	146.5	157.6	3,758	3,907	4,089
Sri Lanka	2.1	3.9	4.9	5.4	5.9	6.3	3.8	4.9	6.1	278	327	380
Sudan	3.7	6.4	8.0	6.6	6.3	7.3	6.6	8.1	7.1	414	427	317
Sweden	46.2	70.4	81.4	86.4	93.0	98.0	63.9	88.5	95.0	10,240	10,840	11,380
Switzerland	45.6	72.6	85.7	89.9	96.2	103.2	63.4	91.5	100.0	13,020	14,330	15,320
Syria	7.4	14.0	18.0	19.1	19.1	19.6	13.4	17.6	19.2	1,820	2,020	1,864
Tanzania	2.6	4.3	5.0	5.2	5.4	5.7	4.6	5.5	5.5	302	290	250
Thailand	13.1	26.5	33.6	37.1	40.3	43.0	23.8	33.3	41.7	584	710	805
Turkey	19.7	32.2	40.6	44.0	48.2	52.5	36.6	40.4	50.9	663	808	1,004
Uganda	2.6	3.1	4.2	4.6	5.0	(NA)	5.1	3.9	(NA)	456	306	(NA)
United Kingdom	208.7	321.1	373.8	404.2	428.8	460.4	375.4	403.6	446.2	6,679	7,167	7,882
Venezuela	24.6	42.3	47.9	46.3	46.1	48.9	45.1	53.2	47.4	3,562	3,842	2,733
West Germany	276.2	477.0	549.1	577.9	616.0	649.9	501.6	599.5	629.9	8,115	9,736	10,320
Yugoslavia	16.2	34.9	40.9	42.0	44.3	45.9	33.1	43.9	44.5	1,552	1,966	1,924
Zaire	2.7	3.7	4.3	4.4	4.4	4.7	4.6	4.6	4.6	206	174	150

NA: Not available. ¹ Estimated.

Source: U.S. Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers*, annual. Data from International Bank for Reconstruction and Development and U.S. Central Intelligence Agency.

NO. 1412. ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT (OECD)—GROSS NATIONAL PRODUCT, 1960 TO 1987, AND CHANGE, 1960-1985 AND 1985-1987

[For interpretation of the absolute levels of GNP and per capita GNP, the market exchange rates used in converting national currencies do not necessarily reflect the relative purchasing power in the various countries. As a consequence, it should not be concluded, for instance, that the United Kingdom's individual standard of living in 1987 was only 84 percent of that of the U.S., as the statistics may imply. Minus sign (-) indicates decrease. For explanation of annual percent change, see Guide to Tabular Presentation]

COUNTRY	GROSS NATIONAL PRODUCT (GNP)					GNP PER CAPITA					Inflation rate, ² 1986-1987 (per-cent)
	Total in constant (1987) dollars (bil.)			Annual percent change		In constant (1987) dollars			Annual percent change		
	1960	1985	1987	1960-1985	1985-1987	1960	1985	1987	1960-1985	1985-1987	
United States.....	3,744.0	4,236.1	4,496.5	2.5	2.9	16,436	17,716	18,415	1.5	1.9	3.0
OECD Europe ³	4,244.5	4,864.5	4,911.3	1.5	2.4	16,766	11,266	11,836	1.1	1.8	4.0
Belgium.....	129.5	133.7	136.5	.8	1.8	13,144	13,555	13,977	.6	1.5	1.4
Denmark.....	64.3	95.0	97.5	2.4	1.3	16,450	16,567	16,000	2.5	1.1	5.7
France.....	759.4	816.0	846.9	1.5	1.7	14,094	14,827	15,224	1.0	1.3	2.7
Greece.....	42.6	45.5	45.9	1.3	.4	4,416	4,584	4,584	.7	-	15.0
Ireland.....	25.5	25.5	25.9	-	.2	7,466	7,169	7,220	.8	.3	4.0
Italy.....	553.3	596.8	632.1	1.6	2.8	9,604	10,480	11,036	1.3	2.5	6.6
Luxembourg.....	5.3	6.0	6.2	2.5	2.1	14,666	16,108	16,784	1.9	2.1	2.0
Netherlands.....	195.3	204.8	213.5	.9	2.1	13,612	14,142	14,561	.5	1.5	-1.3
Portugal.....	29.0	30.5	33.4	1.0	4.7	2,967	3,002	3,229	.2	3.7	11.7
Spain.....	245.4	262.8	264.0	1.4	4.0	6,536	6,627	7,314	.8	3.5	5.7
United Kingdom.....	564.0	621.7	606.7	2.0	3.5	10,012	10,961	11,716	1.8	3.3	4.4
West Germany.....	1,021.6	1,066.0	1,129.9	1.2	2.0	16,595	17,796	18,471	1.4	1.9	2.1
Austria.....	107.0	115.2	116.3	1.5	1.3	14,177	15,237	15,631	1.4	1.3	2.5
Finland.....	69.4	80.4	85.1	3.0	2.9	14,506	16,408	17,252	2.5	2.5	4.5
Iceland.....	3.9	4.1	4.6	.8	5.7	17,046	17,125	18,360	.1	3.6	21.4
Norway.....	64.1	75.8	80.3	3.4	3.1	15,660	16,210	16,172	3.1	2.6	6.7
Sweden.....	135.3	146.0	153.7	1.8	1.6	16,260	17,725	18,265	1.7	1.6	5.1
Switzerland.....	162.8	174.1	181.5	1.4	2.1	25,733	26,907	27,751	.9	1.5	2.3
Turkey.....	47.0	66.8	67.8	4.6	7.2	1,067	1,193	1,317	2.5	5.1	34.5
Australia.....	151.9	176.7	186.3	3.3	2.7	10,333	11,340	11,566	1.6	1.1	7.7
Canada.....	324.0	372.5	396.4	2.8	3.5	13,475	14,667	15,571	1.7	3.0	4.6
Japan.....	1,833.2	2,225.8	2,359.0	3.8	3.0	15,694	18,433	19,322	3.3	2.4	-2
New Zealand.....	29.5	33.7	34.0	2.7	.3	9,476	10,362	10,560	1.8	.1	14.2

- Represents zero. ¹ National currency values converted into dollars by the average 1987 Market Rate, as published by the International Monetary Fund, Washington, DC. ² GNP or GDP (Gross Domestic Product) implicit price deflators, totals weighted by 1985 (base year) GNP. ³ See text, section 31.

Source: U.S. Department of State, Bureau of Intelligence and Research, *Economic Growth of OECD Countries, 1977-1987*, Report No. IRR 156 (Revised), 1986, and unpublished data.

NO. 1413. GROSS DOMESTIC PRODUCT, TOTAL AND PER CAPITA, USING PURCHASING POWER PARITIES—SELECTED COUNTRIES: 1970 TO 1986

[The goods and services produced in different countries should be valued consistently if the differences observed are meant to reflect real differences in the volume of goods and services produced. The use of purchasing power parities (PPP) instead of exchange rates is intended to achieve this objective. PPP's show how many units of currency are needed in one country to buy the same amount of goods and services which one unit of currency will buy in the other country. For further explanation of PPP, see text, section 31]

COUNTRY	GROSS DOMESTIC PRODUCT (bil. dol.)						GROSS DOMESTIC PRODUCT PER CAPITA (dollars)					
	1970	1975	1980	1984	1985	1986	1970	1975	1980	1984	1985	1986
United States.....	1,006.2	1,583.9	2,966.5	3,722.3	3,966.6	4,166.5	4,962	7,334	11,694	16,705	16,546	17,324
OECD Europe ¹	1,666.2	1,727.6	2,966.5	3,741.6	3,966.6	4,166.5	2,664	4,611	7,326	6,535	6,547	10,347
Belgium.....	26.6	46.0	80.4	101.2	105.9	111.2	2,669	4,699	8,166	10,272	10,741	11,278
Denmark.....	17.4	26.9	43.9	56.4	62.8	66.7	3,523	5,306	8,563	11,431	12,282	13,030
France.....	163.2	278.6	472.7	615.6	645.5	676.8	3,215	5,267	8,773	11,203	11,701	12,216
Greece.....	13.7	24.7	44.1	56.2	59.7	62.1	1,562	2,726	4,572	5,674	6,006	6,224
Ireland.....	5.5	9.6	17.2	23.0	23.9	24.5	1,852	3,007	5,066	6,509	6,765	6,903
Italy.....	163.4	258.9	450.3	563.9	618.9	652.7	3,045	4,660	7,962	10,247	10,633	11,406
Luxembourg.....	1.3	2.1	3.3	4.6	4.9	5.2	3,714	5,733	9,164	12,462	13,361	14,070
Netherlands.....	45.6	75.0	123.2	155.1	163.7	172.0	3,500	5,467	8,704	10,752	11,296	11,600
Portugal.....	12.3	21.3	40.0	50.0	53.3	57.0	1,454	2,441	4,303	5,218	5,524	5,866
Spain.....	73.8	135.5	215.6	277.5	292.1	310.6	2,179	3,816	5,760	7,262	7,613	8,066
United Kingdom.....	162.1	264.1	443.1	577.6	617.9	652.7	3,273	5,053	7,906	10,224	10,613	11,466
West Germany.....	207.0	321.6	547.4	696.9	736.2	777.5	3,413	5,204	8,661	11,416	12,114	12,741
Austria.....	20.6	26.0	56.6	76.9	81.6	85.1	2,757	4,622	7,925	10,163	10,793	11,254
Finland.....	12.4	22.6	36.4	52.9	56.4	59.3	2,902	4,665	8,032	10,627	11,509	12,056
Iceland.....	.6	1.2	2.3	3.0	3.2	3.5	2,960	5,316	10,018	12,392	13,163	14,266
Norway.....	12.1	21.3	38.9	53.5	58.2	62.3	3,113	5,306	9,510	12,923	14,006	14,966
Sweden.....	31.0	46.4	76.2	100.9	105.7	108.7	3,855	6,035	8,173	12,031	12,655	13,111
Switzerland.....	30.3	44.3	69.5	87.9	94.3	99.4	4,840	6,919	10,661	13,506	14,439	15,163
Turkey.....	34.1	67.7	112.2	163.7	179.7	196.7	966	1,679	2,506	3,395	3,606	3,927
Australia.....	44.4	75.6	124.7	170.6	185.3	193.0	3,465	5,462	8,466	10,979	11,765	12,064
Canada.....	64.6	163.1	267.9	362.6	380.0	413.5	3,969	6,737	11,151	14,427	15,966	16,106
Japan.....	291.5	606.2	829.1	1,321.6	1,434.6	1,467.9	2,811	4,691	7,654	11,012	11,796	12,336
New Zealand.....	6.4	16.1	22.8	31.6	33.1	33.6	5,391	6,231	7,261	8,766	10,106	10,311

¹ See text, section 31.

Source: Organization for Economic Cooperation and Development, Paris, France, *National Accounts of OECD Countries*, vol. 1, annual.

**NO. 1414. FOOD AND BEVERAGE EXPENDITURES AS A PERCENT OF TOTAL PRIVATE CONSUMPTION
EXPENDITURES—SELECTED COUNTRIES: 1984**

COUNTRY	Total	Food	Non- alco- holic bever- ages	Alco- holic bever- ages	COUNTRY	Total	Food	Non- alco- holic bever- ages	Alco- holic bever- ages
United States	13.8	11.0	.8	1.4	Switzerland	25.5	20.2	1.2	4.1
United Kingdom	17.1	14.5	.8	2.0	Italy	27.7	25.8	.3	1.8
Canada	17.4	13.4	1.7	3.3	Spain ²	30.7	29.2	.4	1.1
Netherlands	17.6	15.0	.8	2.0	South Africa	32.8	26.4	1.4	5.0
France	20.4	17.9	.5	2.0	Mexico	36.0	31.7	1.1	2.2
Australia	20.8	16.5	1.3	5.0	Portugal ³	36.9	33.1	.2	2.6
Austria	21.5	18.5	.8	2.4	Soviet Union ⁴	36.6	33.8	1.0	10.0
Denmark	21.8	17.2	.6	3.8	Ireland ⁵	37.3	33.8	1.3	12.2
West Germany	21.8	17.6	1.7	1.3	Yugoslavia ⁵	37.7	31.1	1.6	5.0
Japan	21.8	19.9	1.9	1.3	South Korea	40.1	36.1	1.0	3.0
Sweden	22.8	18.8	.4	3.8	Greece	40.4	36.8	1.1	2.4
Belgium	23.3	19.1	1.1	2.1	Hungary ⁵	41.4	27.9	1.5	12.0
Norway	24.1	20.0	.9	3.2	Poland ⁵	50.2	36.8	2.0	11.4
Finland	24.8	20.1	.5	4.0	Philippines	54.1	51.7	1.7	1.7
Israel	25.5	23.1	1.8	.8	India	55.9	53.1	1.5	1.3

¹ Estimated. ² Data for 1982. ³ Data for 1981. ⁴ Data for 1980. ⁵ Data for 1983.

Source: U.S. Dept. of Agriculture, Economic Research Service, unpublished data. Based on data from United Nations, New York, NY, *Yearbook of National Accounts Statistics, 1985*, vols. II and III; Organization for Economic Cooperation and Development, Paris, France, *National Accounts*, vol. II, 1972-84; and various country yearbooks.

NO. 1415. PER CAPITA CONSUMPTION OF WHEAT AND RICE—SELECTED COUNTRIES: 1974 TO 1987

[In kilograms per year. Averages of crop years beginning in year shown. Excludes feed use but includes seed and industrial use]

COUNTRY	WHEAT			RICE			COUNTRY	WHEAT			RICE		
	1974- 1976	1979- 1981	1987	1974- 1976	1979- 1981	1987		1974- 1976	1979- 1981	1987	1974- 1976	1979- 1981	1987
World	73.3	78.3	84.3	56.2	66.9	62.6	Developing—Con.						
Developed	81.7	80.8	81.7	18.5	18.2	17.7	Middle East	177.4	185.3	190.0	17.7	21.2	20.8
United States	83.2	84.2	86.8	8.9	8.9	10.8	Iran	183.8	182.9	203.3	24.8	34.9	34.8
Western Europe	110.3	109.5	109.8	3.9	4.1	4.8	Turkey	232.7	265.1	259.4	4.7	4.9	4.8
Japan	48.8	50.3	48.2	54.9	67.4	78.8	South Asia	50.1	56.7	66.5	73.1	75.8	74.8
South Africa	83.8	82.8	85.5	2.9	4.3	6.8	India	43.2	50.0	63.3	65.6	72.5	70.8
Centrally planned	80.2	110.8	126.2	86.9	72.9	84.1	Pakistan	120.1	125.2	129.8	25.1	25.5	19.6
Eastern Europe	186.2	188.9	174.8	3.2	3.4	3.5	Other Asia	14.0	16.1	22.0	132.7	141.3	141.2
Soviet Union	223.5	228.8	214.8	5.9	8.1	8.3	Indonesia	6.0	6.5	8.9	118.8	133.9	148.7
China: Mainland	52.8	71.5	96.1	62.7	69.6	114.9	Thailand	2.1	4.0	3.7	180.2	171.2	151.0
Developing	49.8	54.7	61.8	62.3	65.9	68.4	North Africa	160.6	175.8	178.3	18.0	16.9	14.0
Latin America	57.6	58.4	58.4	25.8	29.4	30.0	Algeria	174.4	182.5	203.3	4	1.1	1.1
Mexico	45.3	48.1	45.2	5.3	5.2	5.4	Egypt	148.3	170.9	180.1	36.5	34.3	28.4
Brazil	48.2	52.8	48.3	44.2	49.5	49.6	Other Africa	10.7	13.7	15.4	12.8	16.7	14.7
							Nigeria	7.0	16.8	3.7	5.2	13.1	8.4
							Sudan	27.5	27.9	37.4	4	.8	.9

Source: U.S. Dept. of Agriculture, Economic Research Service, *World Agriculture, Situation and Outlook Report* (NAS-47), March 1987 and unpublished data.

NO. 1416. PER CAPITA CONSUMPTION OF BEEF, PORK, AND POULTRY—LEADING COUNTRIES: 1986

[In pounds per capita, except as indicated. Beef, veal and pork quantities are in carcass-weight equivalents; poultry quantities are on ready-to-cook basis]

COUNTRY	BEEF AND VEAL		COUNTRY	PORK		COUNTRY	POULTRY	
	Quan- tity	Rank		Quan- tity	Rank		Quan- tity	Rank
Argentina	163.6	1	Hungary	144.2	1	Saudi Arabia	83.8	1
Uruguay	133.8	2	Denmark	139.3	2	Israel	74.3	2
United States	118.2	3	East Germany	126.3	3	United States	73.9	3
Australia	92.8	4	Czechoslovakia	117.5	4	Hong Kong	63.3	4
Canada	90.4	5	West Germany	116.4	5	United Arab Emirates	63.3	5
New Zealand	79.3	6	Austria	113.8	6	Kuwait	58.4	6
France	68.1	7	Belgium-Luxembourg	103.6	7	Canada	57.1	7
Italy	64.8	8	Hong Kong	100.8	8	Australia	50.5	8
Soviet Union	60.4	9	Switzerland	98.8	9	Hungary	48.7	9
Switzerland	60.4	10	Netherlands	84.1	10	Spain	44.5	10
Czechoslovakia	57.1	11	Bulgaria	81.8	11	Venezuela	43.4	11
Belgium-Luxembourg	56.0	12	China: Taiwan	83.8	12	China: Taiwan	43.0	12
Panama	54.8	13	Poland	78.4	13	France	41.0	13
East Germany	54.8	14	France	74.7	14	United Kingdom	38.1	14
West Germany	52.0	15	Singapore	72.5	15	Romania	37.3	15
			United States	68.8	28			

Source: U.S. Dept. of Agriculture, Foreign Agricultural Service, *World Livestock Situation*, October 1986.

No. 1417. PERCENT OF HOUSEHOLDS OWNING SELECTED APPLIANCES—SELECTED COUNTRIES: 1984

APPLIANCE	United States ¹	France	Italy	Netherlands	Poland	Soviet Union	Spain	Sweden	United Kingdom	West Germany	Yugoslavia
Clothes washer	73	83	82	80	(NA)	55	83	87	83	91	(NA)
Dishwasher	38	22	19	12	1	(NA)	9	28	8	21	(NA)
Freezer (separate)	37	33	39	47	(NA)	(NA)	19	88	60	53	47
Range:											
Electric	54	12	5	10	53	(NA)	82	93	40	73	88
Gas	45	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
Refrigerator	100	97	88	88	(NA)	85	94	96	86	82	82
Television set:											
Black and white	43	81	75	33	(NA)	36	84	(NA)	14	58	61
Color	88	68	45	64	(NA)		47	88	88	88	

NA Not available. ¹ Represents appliances possessed and generally used by the household (as of November). Source: U.S. Energy Information Administration, *Residential Energy Consumption Survey: Housing Characteristics, 1984*, August 1988.

² Includes refrigerator/freezers. ³ Stove-top burners only. Oven is considered a separate appliance.

Source: Except as noted, Euromonitor Publications Limited, London, England, *European Marketing Data and Statistics*, annual. (Copyright.)

No. 1418. WORLD MOTOR VEHICLE REGISTRATIONS—SELECTED COUNTRIES: 1975 TO 1986

(In millions, except as indicated)

COUNTRY	1975	1980	1986			COUNTRY	1975	1980	1986		
			Total vehicle ¹	Cars					Total vehicle ¹	Cars	
				Num- ber	Persons per car					Num- ber	Persons per car
World, total ²	227.9	411.1	686.7	388.3	12.8	Nigeria	.3	.8	1.4	.5	134
United States	133.0	155.9	178.2	138.4	1.8	Pakistan	.3	.4	.3	.3	373
Brazil	8.7	10.2	11.9	10.8	13.0	Philippines	7	1.1	5	4	183
Canada	11.0	13.2	14.7	11.5	2.2	Poland	1.6	3.1	4.9	4.0	9.5
China, Mainland	7	.9	3.6	.8	1,274	South Africa	3.0	3.5	4.3	3.0	11.0
France	17.6	21.7	24.4	21.6	2.6	South Korea	2	.5	1.3	7	85.0
India	1.4	1.5	2.7	1.4	554	Soviet Union	8.8	15.8	20.2	11.8	24.0
Italy	16.3	19.1	23.8	22.0	2.6	Spain	5.9	8.8	11.4	9.8	1.8
Japan	28.1	37.8	48.0	28.7	4.2	Thailand	.5	.9	1.5	.8	92.0
Mexico	3.3	4.8	7.5	5.3	15.0	Turkey	.7	1.1	1.7	1.1	48.0
						United Kingdom	18.4	17.4	19.9	19.2	2.9
						West Germany	18.5	24.8	29.0	27.2	2.2

¹ Includes trucks and buses, not shown separately. ² Includes other countries, not shown separately.

Source: Motor Vehicle Manufacturers Association of the United States, Inc., Detroit, MI, *MVMA Motor Vehicle Facts & Figures*, annual.

No. 1419. PERCENTAGE OF POPULATION SERVED BY WASTE WATER TREATMENT PLANTS—SELECTED COUNTRIES: 1970 TO 1985

[Primary: Removal of 20–30 percent of the biological oxygen demand (BOD) or more; Secondary: Removal of 80–90 percent of BOD or more; Tertiary: Removal of 95 percent of BOD or more]

COUNTRY	PERCENTAGE OF POPULATION SERVED, TOTAL				PRIMARY TREATMENT ONLY				PRIMARY AND SECONDARY AND/OR TERTIARY TREATMENT			
	1970	1975	1980	1985	1970	1975	1980	1985	1970	1975	1980	1985
United States ¹	42.0	87.0	70.0	74.0	(NA)	23.0	17.0	15.0	(NA)	44.0	53.0	59.0
Belgium	3.8	5.5	22.8	(NA)	—	—	4	—	3.8	5.5	22.8	(NA)
Canada ²	(NA)	49.0	58.0	57.0	(NA)	(NA)	13.0	10.0	(NA)	(NA)	43.0	47.0
France	40.0	(NA)	81.5	83.7	(NA)	(NA)	2.6	(NA)	(NA)	(NA)	58.0	(NA)
Italy	14.0	(NA)	30.0	(NA)	9.0	(NA)	(NA)	(NA)	8.0	(NA)	(NA)	(NA)
Japan	16.0	23.0	30.0	38.0	(NA)	(NA)	(NA)	(NA)	18.0	23.0	30.0	38.0
Netherlands	(NA)	45.0	66.0	61.0	(NA)	8.0	7.0	4.0	(NA)	37.0	61.0	77.0
Spain	(NA)	14.3	17.9	28.0	(NA)	7.0	8.8	13.2	(NA)	7.3	8.1	15.8
Sweden ³	78.0	98.0	98.0	98.0	12.0	4.0	1.0	1.0	88.0	94.0	98.0	98.0
Switzerland	35.0	55.0	70.0	81.0	(NA)	(NA)	(NA)	(NA)	35.0	55.0	70.0	81.0
United Kingdom ⁴	(NA)	(NA)	82.0	83.0	(NA)	(NA)	6.0	6.0	(NA)	(NA)	78.0	77.0
West Germany	61.8	74.6	61.8	88.5	20.5	18.4	10.2	7.5	41.3	56.4	71.8	79.0

— Represents zero. NA Not available. ¹ Beginning 1980, data not comparable with 1970 and 1975 data and data for secondary treatment include 1 percent and 2 percent of non-discharge treatment. Primary treatment may provide some biological treatment. Secondary is preliminary treatment plus biological process with no additional treatment except disinfection. ² 1978 data. ³ 1984 data. ⁴ 1978 data. ⁵ Secondary usually includes private treatment and includes waste stabilization ponds. Tertiary refers to secondary treatment with phosphorus removal. ⁶ 1983 data. ⁷ Estimated. ⁸ Data for secondary category may include data for primary treatment only. ⁹ Urban population only (85 percent of total). Primary: Removal of sediments; Secondary: Chemical or biological treatment; Tertiary: Chemical, biological and complementary treatment. ¹⁰ England and Wales only. Primary: Removal of gross solids; Secondary: Aerobic removal of organic material or bacteria; Tertiary: Removal of suspended solids following secondary treatment. ¹¹ 1988 data.

Source: Organisation for Economic Co-operation and Development, Paris, France, *Environmental Data Compendium*, 1987.

No. 1420. COMMUNICATIONS—TELEPHONES, NEWSPAPERS, TELEVISION, AND RADIO, BY COUNTRY

[See text, section 31, for general comments about the data. For additional data qualifications for countries, see sources]

COUNTRY	Tele- phones per 100 popula- tion, ¹ 1988	Daily news- paper circula- tion, copies per 1,000 popula- tion, ² 1984	Televi- sion receivers per 1,000 popula- tion, ³ 1988	Radio receivers per 1,000 popula- tion, ⁴ 1988	COUNTRY	Tele- phones per 100 popula- tion, ¹ 1988	Daily news- paper circula- tion, copies per 1,000 popula- tion, ² 1984	Televi- sion receivers per 1,000 popula- tion, ³ 1988	Radio receivers per 1,000 popula- tion, ⁴ 1988
United States	¹ 76.0	268	813	2,128	Japan	¹ 55.5	562	585	824
Algeria	3.6	27	72	223	Kenya	1.4	13	5	84
Argentina	10.3	(NA)	214	645	Kuwait	17.3	197	241	288
Australia	¹ 55.0	298	472	1,259	Lebanon	(NA)	(NA)	301	770
Austria	50.8	365	⁷ 436	561	Luxembourg	¹⁴ 41.2	(NA)	253	626
Bangladesh	¹ 1	8	3	40	Madagascar	4	6	5	184
Belgium	48.1	223	⁷ 301	757	Malaysia	6.6	323	113	431
Bolivia	(NA)	50	76	587	Mexico	9.8	120	117	197
Brazil	8.6	57	188	365	Morocco	1.4	(NA)	⁷ 54	205
Bulgaria	¹ 20.0	255	⁷ 189	357	Netherlands	62.1	310	487	883
Burma	¹ 1	74	1	79	New Zealand	¹¹ 87.0	¹ 325	358	886
Cambodia	(NA)	(NA)	7	108	Nicaragua	¹ 1.8	47	59	257
Canada	78.9	220	646	877	Nigeria	¹ 3	¹ 8	8	182
Chile	8.4	¹ 115	164	335	Norway	¹ 62.2	501	⁷ 346	783
China:					Pakistan	5	(NA)	15	87
Mainland	7	29	10	140	Panama	10.8	¹ 61	161	184
Taiwan	31.1	(NA)	(NA)	(NA)	Paraguay	2.4	(NA)	23	185
Colombia	7.6	(NA)	102	153	Peru	¹ 3.2	(NA)	84	247
Costa Rica	12.9	72	79	283	Philippines	¹ 1.5	(NA)	36	134
Cuba	6.3	144	202	335	Poland	11.8	214	⁷ 259	415
Cyprus	36.5	118	183	289	Portugal	19.0	¹ 49	⁷ 157	211
Czechoslovakia	23.9	298	⁷ 281	577	Puerto Rico	¹¹ 20.3	59	247	871
Denmark	81.8	359	⁷ 388	956	Romania	(NA)	158	⁷ 175	⁷ 143
Dominican Republic	¹⁰ 2.8	30	81	184	Saudi Arabia	¹ 11.8	(NA)	299	323
East Germany	22.8	550	⁷ 383	827	Singapore	42.8	277	⁷ 213	⁷ 300
Ecuador	3.8	¹ 64	73	295	South Africa	¹² 14.1	(NA)	83	310
Egypt	2.8	¹ 42	83	313	South Korea	22.3	(NA)	189	952
El Salvador	2.8	(NA)	70	349	Soviet Union	¹ 11.3	422	321	880
Ethiopia	3	1	2	186	Spain	37.9	80	322	296
Finland	¹ 61.7	536	480	992	Sri Lanka	8	¹ 111	28	167
France	¹ 60.8	¹ 212	402	896	Sudan	¹ 4	5	52	253
Ghana	5	35	10	189	Sweden	¹ 89.0	521	⁷ 389	875
Greece	39.3	(NA)	⁷ 174	408	Switzerland	85.8	382	411	834
Guatemala	¹ 1.6	(NA)	37	81	Syria	5.8	(NA)	57	229
Honduras	1.2	¹ 61	87	377	Thailand	1.9	(NA)	100	178
Hong Kong	44.0	(NA)	232	630	Trinidad and Tobago	¹ 9.8	151	288	458
Hungary	14.5	254	399	578	Tunisia	3.9	39	89	186
Iceland	¹ 52.5	499	⁷ 308	⁷ 818	Turkey	8.1	(NA)	165	183
India	¹¹ 5	¹ 21	⁷ 7	78	United Kingdom	¹¹ 52.4	414	634	1,157
Indonesia	¹⁰ 3	18	36	118	Uruguay	13.6	(NA)	171	592
Iran	¹² 4.3	22	57	240	Venezuela	8.9	¹ 186	141	425
Iraq	¹ 4.3	(NA)	61	198	West Germany	64.0	350	⁷ 379	955
Ireland	¹ 26.5	186	260	563	Yugoslavia	15.4	114	176	344
Israel	¹¹ 41.6	(NA)	261	483	Zimbabwe	3.0	22	14	53
Italy	¹³ 48.9	86	⁷ 256	897					
Jamaica	¹¹ 6.0	45	105	400					

NA Not available. ¹ As of December 31, except as noted. Comprises public and private telephones installed which can be connected to a central exchange. ² Publications containing general news and appearing at least 4 times a week; may range in size from a single sheet to 50 or more pages. Circulation data refer to average circulation per issue or number of printed copies per issue and include copies sold outside the country. ³ Estimated number of sets in use, except as noted. ⁴ Data cover estimated number of receivers in use, except as noted, and apply to all types of receivers for radio broadcasts to the public, including receivers connected to a radio "redistribution system" but excluding television sets. ⁵ For 1984. ⁶ For 1986. ⁷ Number of licenses issued. ⁸ For 1982. ⁹ For 1983. ¹⁰ For 1980. ¹¹ As of March 31. ¹² As of March 21. ¹³ Includes San Marino. ¹⁴ For 1981.

Source: Except Taiwan, Statistical Office of the United Nations, New York, NY, *Statistical Yearbook* (copyright), and United Nations Educational, Scientific, and Cultural Organization, Paris, France, *Statistical Yearbook* (copyright); Taiwan, U.S. Bureau of the Census. Data from Republic of China publications.

Tax Revenue—Tax Receipts by Type

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NO. 1421. TAX REVENUES—SELECTED COUNTRIES: 1975 TO 1986

[Covers national and local taxes and Social Security contributions. GDP = Gross domestic product; see text, section 14]

COUNTRY	TAX REVENUES, 1986		PERCENT CHANGE IN TOTAL TAX REVENUE AS EXPRESSED IN NATIONAL CURRENCY					TAX REVENUES AS PERCENT OF GDP				
	Total (bil. dol.)	Per capita (dol.)	1975-1986	1980-1986	1983-1984	1984-1985	1985-1986	1975	1980	1984	1985	1986
United States.....	1,194.5	4,844	78.7	46.5	11.1	8.8	5.3	29.0	29.5	28.4	29.2	28.9
Australia.....	54.6	3,419	88.9	90.4	16.8	10.8	12.5	27.8	29.0	30.9	30.8	31.4
Austria.....	40.0	5,281	81.5	41.8	8.8	7.3	5.1	38.6	41.2	42.3	42.8	42.8
Belgium.....	52.3	5,302	61.6	47.2	9.7	7.5	3.6	41.1	43.5	46.4	48.6	48.4
Canada.....	123.6	4,820	75.5	59.1	8.9	7.5	7.0	32.4	31.8	32.9	32.9	33.2
Denmark.....	41.7	8,151	90.1	77.8	12.8	12.3	11.7	41.4	45.5	47.8	48.7	50.8
Finland.....	27.0	5,488	73.7	96.1	17.8	12.8	10.8	35.1	33.0	35.5	36.8	38.4
France.....	321.3	5,802	118.2	78.2	11.4	7.4	6.8	38.9	41.7	44.8	44.5	44.2
Greece.....	14.6	1,481	195.7	231.9	29.8	22.4	25.5	24.8	28.8	34.9	35.2	36.7
Ireland.....	8.9	2,781	188.4	112.1	13.5	5.2	8.5	31.5	34.0	36.4	39.0	40.2
Italy.....	217.3	3,798	222.0	138.2	11.5	10.8	15.8	25.1	30.0	35.1	34.7	36.2
Japan.....	570.3	4,888	96.7	43.5	7.4	8.2	7.3	20.9	25.5	27.4	28.0	28.8
Luxembourg.....	2.4	6,540	64.5	88.8	6.6	9.2	3.9	38.2	40.9	42.6	42.9	42.4
Netherlands.....	78.9	5,483	80.8	21.7	1.1	4.3	4.2	43.7	45.8	45.0	45.1	45.5
New Zealand.....	9.1	2,775	120.1	98.7	13.5	18.8	14.8	31.3	33.0	33.1	33.8	32.8
Norway.....	34.8	8,346	101.1	77.3	10.7	14.8	8.1	44.9	47.1	45.8	47.4	48.8
Portugal.....	9.4	988	286.4	208.1	19.8	22.6	26.7	24.7	28.7	32.2	31.5	32.4
Spain.....	88.3	1,798	210.3	119.8	18.4	9.6	20.6	19.8	24.1	29.2	26.8	30.4
Sweden.....	70.2	6,365	96.4	88.0	11.3	9.6	14.8	43.9	48.4	50.3	50.8	53.5
Switzerland.....	44.0	8,707	28.3	38.2	7.1	5.8	8.5	29.6	30.8	32.3	32.0	32.6
Turkey.....	13.2	259	771.7	477.4	32.0	71.8	83.7	20.7	21.7	17.3	19.7	22.7
United Kingdom.....	213.6	3,782	118.8	84.6	7.7	9.3	8.9	36.4	36.3	36.3	36.1	38.0
West Germany.....	334.6	5,484	53.2	23.8	5.3	5.6	4.6	35.7	36.0	37.5	37.9	37.5

NO. 1422. PERCENT DISTRIBUTION OF TAX RECEIPTS BY TYPE OF TAX—SELECTED COUNTRIES: 1975 TO 1986

COUNTRY AND YEAR	Total ¹	INCOME AND PROFITS TAXES ²			SOCIAL SECURITY CONTRIBUTIONS			TAXES ON GOODS AND SERVICES ³		
		Total ²	Individual	Corporate	Total ⁴	Employees	Employers	Total ⁵	General consumption taxes ⁶	Taxes on specific goods, services ⁷
United States: 1975.....	100.0	43.8	32.8	10.8	24.6	9.9	13.8	18.5	6.7	9.8
1980.....	100.0	47.0	36.8	10.2	28.2	10.0	15.5	16.8	6.8	7.8
1986.....	100.0	42.4	36.4	7.0	29.8	11.5	17.3	17.8	7.8	7.5
Canada: 1975.....	100.0	47.3	32.8	13.8	10.1	3.7	8.1	32.0	12.5	13.8
1980.....	100.0	48.6	33.3	11.8	10.5	3.7	6.8	32.5	11.5	13.0
1986.....	100.0	45.9	37.0	8.1	13.7	4.8	8.7	29.7	14.8	11.4
France: 1975.....	100.0	17.6	12.3	5.2	40.8	8.6	29.3	33.3	23.4	9.0
1980.....	100.0	18.1	12.9	5.1	42.7	11.1	28.4	30.4	21.0	6.4
1986.....	100.0	18.2	13.0	5.1	42.7	11.9	27.4	29.4	19.5	8.9
Italy: 1975.....	100.0	21.8	15.2	6.3	45.9	9.0	28.8	29.4	14.3	14.0
1980.....	100.0	31.1	23.1	7.8	36.0	6.8	28.4	28.6	15.6	9.7
1986.....	100.0	37.9	(NA)	(NA)	34.3	6.8	24.6	24.6	14.6	8.8
Japan: 1975.....	100.0	44.6	23.8	20.8	29.0	10.8	18.1	17.3	-	15.1
1980.....	100.0	48.1	24.3	21.8	29.1	10.2	14.8	16.3	-	14.1
1986.....	100.0	45.7	25.1	20.7	29.8	10.9	15.4	13.4	-	11.4
Netherlands: 1975.....	100.0	34.8	27.1	7.7	38.4	16.4	17.6	24.2	14.4	8.1
1980.....	100.0	32.8	26.3	6.6	38.1	15.7	17.8	25.2	15.8	7.3
1986.....	100.0	27.7	20.3	7.3	42.5	18.1	17.3	28.0	16.5	7.3
Sweden: 1975.....	100.0	50.5	48.1	4.3	19.5	-	18.3	24.3	12.0	10.7
1980.....	100.0	43.5	41.0	2.5	28.6	-	27.6	24.0	13.4	9.2
1986.....	100.0	42.8	36.0	4.7	25.0	-	24.1	24.8	13.4	10.2
United Kingdom: 1975.....	100.0	44.5	37.9	6.7	17.4	6.8	10.3	25.4	8.8	14.8
1980.....	100.0	37.8	29.4	6.4	16.6	6.4	9.8	28.4	14.5	13.3
1986.....	100.0	38.2	27.9	10.3	17.9	8.2	9.1	30.9	15.6	13.7
West Germany: 1975.....	100.0	34.7	30.2	4.5	33.5	14.2	18.5	27.1	14.7	10.9
1980.....	100.0	35.1	29.8	5.5	34.4	15.3	18.5	27.1	16.8	9.3
1986.....	100.0	34.5	28.6	6.0	37.2	16.1	19.1	25.2	15.3	8.6

- Represents zero. NA Not available. ¹ Includes property taxes, employer payroll taxes other than social security contributions, and miscellaneous taxes, not shown separately. ² Includes taxes on capital gains. ³ Includes other taxes, not shown separately. ⁴ Includes contributions of self-employed, not shown separately. ⁵ Taxes on the production, sales, transfer, leasing, and delivery of goods and services and rendering of services. ⁶ Primarily value-added and sales taxes. ⁷ For example, excise taxes on alcohol, tobacco, and gasoline. ⁸ Estimates.

Source of tables 1421 and 1422: Organisation for Economic Cooperation and Development, Paris, France, *Revenue Statistics of OECD Member Countries*, annual.

NO. 1423. EMPLOYEE-EMPLOYER PAYROLL TAX RATES FOR SOCIAL SECURITY PROGRAMS— SELECTED COUNTRIES: 1960 TO 1966

[In percent. Covers old-age, disability and survivors insurance, public health or sickness insurance, workers' compensation, unemployment insurance, and family allowance programs]

COUNTRY	ALL SOCIAL SECURITY PROGRAMS					OLD-AGE, DISABILITY AND SURVIVORS INSURANCE				
	1960, total	1966, total	1960			1960, total	1966, total	1966		
			Total	Em- ployer	Em- ployee			Total	Em- ployer	Em- ployee
United States	16.81	16.90	19.80	12.75	7.15	10.16	11.40	11.40	5.70	5.70
Canada	8.44	9.24	9.24	5.09	4.15	3.80	3.80	3.80	1.80	1.80
France	46.45	51.39	52.84	28.09	14.81	12.90	14.00	14.80	8.20	6.60
Italy	55.02	56.81	53.82	45.07	8.85	24.46	24.36	25.96	18.81	7.15
Japan	20.57	25.80	25.55	14.80	10.85	9.10	12.40	12.40	8.20	6.20
Sweden	32.43	31.88	31.79	31.79	-	20.80	18.85	18.85	18.85	-
United Kingdom	20.45	19.45	19.45	10.45	9.00	(NA)	(NA)	(NA)	(NA)	(NA)
West Germany	34.00	34.30	36.80	19.15	17.75	16.00	16.70	16.70	9.25	6.25

- Represents zero. NA Not available. ¹ Excludes work-injury compensation program. ² Disability and survivors benefits financed through sickness insurance. ³ Excludes termination indemnity.

Source: U.S. Social Security Administration, Office of International Policy, unpublished data.

NO. 1424. CONSUMER PRICES—ANNUAL PERCENT CHANGES, BY COUNTRY: 1962 TO 1967

[See text, section 31, for general comments concerning the data. For additional qualifications of the data for individual countries, see source. Minus sign (-) indicates decrease]

COUNTRY	1962- 1963	1963- 1964	1964- 1965	1965- 1966	1966- 1967	COUNTRY	1962- 1963	1963- 1964	1964- 1965	1965- 1966	1966- 1967
United States	3.2	4.3	3.6	1.9	3.7	Kenya	11.5	10.2	13.0	4.0	5.2
Argentina	343.6	626.7	672.1	90.1	131.3	Malaysia	3.7	3.9	.9	7	1.1
Australia	10.1	4.0	8.7	8.1	8.5	Mexico	101.6	65.5	57.7	68.2	131.6
Austria	3.3	5.7	3.2	1.7	1.4	Netherlands	2.6	3.3	2.2	.2	-.5
Bangladesh	8.4	10.5	10.7	11.0	9.5	Nigeria	23.2	39.6	5.5	5.4	10.2
Belgium	7.7	6.3	4.9	1.3	1.6	Norway	8.4	6.9	5.7	7.2	6.7
Bolivia	299	1,281	11,760	278.3	14.6	Pakistan	6.2	6.1	5.9	3.5	4.7
Brazil	142.1	197.0	236.8	145.2	229.7	Peru	111.2	110.2	163.4	77.9	65.8
Canada	5.6	4.3	4.0	4.2	4.4	Philippines	10.0	50.3	23.1	.8	3.8
Chile	27.3	19.9	30.7	19.5	19.9	Portugal	25.1	28.9	18.8	11.7	9.3
Colombia	19.6	16.1	24.0	18.9	23.3	Romania	6.2	1.1	-.4	-.1	(NA)
Ecuador	48.4	31.2	28.0	23.0	29.5	South Africa	12.3	11.7	16.2	18.6	16.1
Egypt	16.1	17.1	13.3	22.6	16.7	South Korea	3.4	2.3	2.5	2.8	3.0
France	9.6	7.4	5.8	2.5	3.3	Spain	12.2	11.3	8.8	6.8	5.3
Ghana	122.9	39.7	10.3	24.6	36.8	Sri Lanka	14.0	15.6	1.5	6.0	7.7
Greece	20.2	16.4	19.9	23.0	16.4	Sweden	8.9	6.0	7.4	4.2	4.2
Guatemala	4.5	3.4	18.7	36.9	12.9	Switzerland	3.0	2.9	3.4	.8	1.4
India	11.9	8.3	5.6	8.7	6.8	Thailand	3.7	.9	2.4	1.8	2.5
Indonesia	11.6	10.5	4.7	5.8	6.9	Turkey	32.9	48.4	45.0	34.8	38.8
Iran	19.7	12.5	4.4	(NA)	(NA)	United Kingdom	4.6	6.1	6.1	3.4	4.2
Israel	145.6	373.6	304.6	48.1	19.6	Venezuela	6.3	12.2	11.4	11.5	29.1
Italy	14.6	10.8	6.2	5.9	4.7	West Germany	3.3	2.4	2.2	-.2	-.3
Japan	1.9	2.3	2.0	.8	-	Yugoslavia	40.2	54.7	72.3	69.8	120.8
						Zaire	77.1	52.2	23.8	46.7	90.4

- Represents zero. NA Not available.

Source: International Monetary Fund, Washington, DC, *International Financial Statistics*, monthly, with annual yearbooks.

NO. 1425. CONSUMER PRICE INDEXES FOR SELECTED ITEMS—SELECTED COUNTRIES: 1960 AND 1967

[For percent increases in total consumer prices, see table 762. For explanation of average annual percent change, see Guide to Tabular Presentation]

COUNTRY	INDEXES (1967 = 100)										AVG. ANNUAL PERCENT CHANGE, 1960-1967			
	Total ¹		Food ²		Clothing		Housing ³		Transportation		Food ²	Clothing	Housing ³	Transportation
	1960	1967	1960	1967	1960	1967	1960	1967	1960	1967				
United States	246.6	340.4	254.6	333.0	171.1	200.6	283.3	371.0	249.7	318.8	3.9	2.3	5.0	3.6
Australia	295.5	520.8	291.6	486.0	301.4	496.2	321.8	576.5	(NA)	(NA)	7.6	7.4	8.7	(NA)
Austria	203.3	286.1	186.5	235.6	178.3	218.7	239.2	315.1	216.6	264.4	3.4	3.0	4.4	4.0
Canada	243.5	378.5	289.9	427.7	195.5	259.2	242.9	377.7	233.1	386.1	6.7	4.1	6.5	7.8
France	294.2	491.9	294.8	483.2	287.0	466.9	309.4	516.9	337.4	562.1	7.8	8.3	7.7	7.6
Italy	403.2	850.6	382.3	756.3	437.3	957.5	385.6	822.4	480.9	988.6	10.8	11.9	11.4	10.8
Japan	261.6	325.2	266.2	327.4	266.7	360.2	226.7	275.3	252.6	280.6	1.9	3.2	2.9	1.5
Netherlands	237.4	291.9	197.8	227.5	256.5	302.4	244.2	315.9	223.9	278.7	2.0	2.4	3.8	3.2
Sweden	270.6	451.9	282.1	539.1	187.2	277.7	314.9	501.6	(NA)	(NA)	9.7	5.0	6.9	(NA)
United Kingdom	423.6	646.8	468.0	654.5	305.4	348.0	421.5	699.0	450.3	642.7	4.9	1.6	7.5	6.2
West Germany	176.6	212.4	158.9	185.8	179.6	216.4	192.6	234.0	186.1	222.4	2.3	2.9	2.8	2.8

NA Not available. ¹ Includes other items not shown separately. ² Restaurant meals, alcohol, and tobacco are included for some countries, excluded for others. ³ Includes shelter, utilities, and household furnishings and operations. However, actual coverage and measurement methods vary significantly from country to country.

Source: U.S. Bureau of Labor Statistics, *Handbook of Labor Statistics*, periodic.

NO. 1426. CIVILIAN LABOR FORCE, EMPLOYMENT, AND UNEMPLOYMENT—SELECTED COUNTRIES: 1970 TO 1987

(Data based on U.S. labor force definitions adopted in 1987 (see text, section 13) except that minimum age for population base varies as follows: United States, France, Sweden, and, beginning 1980, United Kingdom, 16 years; Australia, Canada, Japan, West Germany, and, for 1970, United Kingdom, 15 years; Italy, 14 years)

YEAR	United States	Australia	Canada	France	Italy	Japan	Netherlands	Sweden	United Kingdom	West Germany
Civilian labor force (mil.):										
1970	82.8	5.5	8.4	20.8	19.7	50.7	(NA)	3.8	25.1	26.2
1980	108.9	8.7	11.8	22.8	21.1	55.7	6.3	4.3	26.5	26.5
1983	111.6	7.0	12.2	23.1	21.6	58.1	6.6	4.4	26.6	26.6
1984	113.5	7.1	12.4	23.3	21.7	58.5	6.6	4.4	27.2	26.8
1985	115.5	7.3	12.6	23.3	21.8	58.6	6.7	4.4	27.4	27.0
1986	117.6	7.6	12.9	23.5	22.3	58.4	6.8	4.4	27.5	27.1
1987	119.9	7.7	13.1	23.6	22.3	60.0	6.8	4.5	27.8	27.3
Labor force participation ratio:¹										
1970	60.4	62.1	57.8	67.5	48.0	64.5	(NA)	64.0	61.1	56.9
1980	63.8	62.1	64.1	67.2	48.2	62.6	50.2	66.9	62.5	53.2
1983	64.4	61.4	64.4	66.6	47.5	63.1	50.8	66.7	62.1	52.3
1984	64.4	61.5	64.6	66.6	47.3	62.7	50.7	66.6	62.6	52.4
1985	64.8	61.8	65.2	66.2	47.2	62.3	50.7	66.9	62.7	52.6
1986	65.3	63.0	65.7	66.2	46.2	62.1	50.8	67.1	62.7	52.8
1987	65.6	63.0	66.2	66.0	46.2	61.9	50.5	67.4	63.0	53.1
Civilian employment (mil.):										
1970	78.7	5.4	7.9	20.3	19.1	50.1	(NA)	3.6	24.3	26.1
1980	99.3	6.2	10.7	21.3	20.2	54.6	5.0	4.2	24.7	25.8
1983	100.8	6.3	10.7	21.2	20.3	56.6	4.9	4.2	23.8	24.6
1984	105.0	6.5	11.0	21.0	20.4	56.9	4.9	4.2	24.0	24.8
1985	107.2	6.7	11.3	20.9	20.5	57.3	5.1	4.3	24.3	25.0
1986	108.6	7.0	11.6	21.0	20.6	57.7	5.2	4.3	24.4	25.2
1987	112.4	7.1	12.0	21.0	20.8	58.3	5.2	4.4	24.9	25.4
Employment-population ratio:¹										
1970	57.4	61.1	54.6	56.0	47.4	63.6	(NA)	63.1	59.2	56.6
1980	59.2	60.3	59.3	53.5	46.1	61.3	47.0	65.8	58.1	51.7
1983	57.9	55.3	57.4	51.8	44.7	61.4	44.5	64.5	54.7	48.6
1984	59.5	56.0	57.4	51.0	44.5	61.0	44.3	64.5	55.3	48.5
1985	60.1	56.6	58.4	50.4	44.4	60.6	45.4	65.0	55.7	48.7
1986	60.7	57.9	58.4	50.2	44.6	60.4	45.8	65.4	55.7	49.1
1987	61.5	57.9	60.3	49.7	44.4	60.1	45.8	66.2	55.6	49.4
Unemployment rate:										
1970	4.9	1.6	5.7	2.5	3.2	1.2	(NA)	1.5	3.1	.5
1980	7.1	6.1	7.6	6.4	4.4	2.0	6.2	2.0	7.0	2.9
1983	9.6	10.0	11.9	8.5	5.9	2.7	12.7	3.5	11.9	7.1
1984	7.5	9.0	11.3	9.9	5.9	2.8	12.3	3.1	11.7	7.4
1985	7.2	8.3	10.5	10.4	6.0	2.6	10.5	2.6	11.2	7.5
1986	7.0	8.1	9.8	10.7	7.5	2.8	9.7	2.6	11.2	7.0
1987, total	6.3	8.1	9.9	11.1	7.9	2.9	9.3	1.9	10.3	6.9
Under 25 years old	12.2	15.7	13.7	24.7	(NA)	5.4	(NA)	4.1	15.8	(NA)
Teenagers ²	16.9	20.0	15.1	26.4	(NA)	8.7	(NA)	3.9	16.1	(NA)
20-24 years old	9.7	12.1	12.9	24.0	(NA)	4.6	(NA)	4.5	14.3	(NA)
25 years old and over	4.8	5.8	7.8	6.6	(NA)	2.5	(NA)	1.4	9.3	(NA)

NA Not available. ¹ Preliminary. ² Civilian labor force as a percent of the civilian working age population. ³ Civilian employment as a percent of the civilian working age population. ⁴ Data for prior years not comparable to later years; see source. ⁵ 16-19 years old in the United States, France, Sweden, and the United Kingdom, 15-19 years old in Canada, Australia, and Japan; and 14-19 years old in Italy and West Germany.

Source: U.S. Bureau of Labor Statistics, *Handbook of Labor Statistics, periodic, and Monthly Labor Review*.

NO. 1427. CIVILIAN EMPLOYMENT-POPULATION RATIOS, BY SEX, AND FEMALES AS PERCENT OF TOTAL CIVILIAN EMPLOYMENT—SELECTED COUNTRIES: 1970 TO 1987

(See headnote, table 1426)

COUNTRY	CIVILIAN EMPLOYMENT—POPULATION RATIOS ¹										FEMALES AS PERCENT OF CIVILIAN EMPLOYMENT				
	Women					Men									
	1970	1980	1983	1986	1987	1970	1980	1983	1986	1987	1970	1980	1983	1986	1987
United States	43.8	47.7	50.4	51.4	52.5	78.2	72.0	70.9	71.0	71.5	37.7	42.4	44.1	44.4	44.8
Australia	39.3	41.9	43.0	45.1	45.7	63.2	75.1	70.6	70.9	70.4	32.4	36.4	38.4	39.4	39.8
Canada	36.1	46.2	48.5	49.7	50.9	73.4	73.0	68.7	68.5	70.1	33.6	39.7	44.9	42.8	43.2
France	36.0	40.0	39.7	39.6	(NA)	76.4	66.6	62.2	62.0	(NA)	35.9	39.4	41.8	41.6	(NA)
Italy	25.0	27.9	27.8	28.3	28.6	71.9	66.0	62.5	62.3	61.6	27.7	31.7	32.7	33.2	33.6
Japan	48.2	45.7	46.3	46.2	46.2	60.5	77.9	75.9	75.4	74.9	39.0	36.4	36.3	36.4	36.6
Netherlands	(NA)	26.0	30.2	(NA)	(NA)	(NA)	66.8	61.0	(NA)	(NA)	(NA)	30.3	34.1	(NA)	(NA)
Sweden	49.1	58.0	59.7	60.3	61.6	77.4	73.6	70.5	70.7	71.0	39.5	45.1	47.1	47.3	47.7
United Kingdom	41.2	44.8	44.4	44.9	45.9	79.2	72.8	68.0	67.6	68.2	36.7	40.4	41.7	42.1	42.4
West Germany	38.2	36.7	35.5	36.0	(NA)	78.3	68.9	63.7	64.1	(NA)	36.5	38.0	38.9	39.0	(NA)

NA Not available. ¹ Civilian employment as a percent of the civilian working age population. ² Preliminary.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, April 1988.

**NO. 1436. LABOR FORCE PARTICIPATION RATES, BY SEX AND AGE-GROUP—SELECTED COUNTRIES:
1960 AND 1967**

[Participation rates represent percent of population of each specified group in labor force]

COUNTRY AND SEX	15-19 YEARS OLD		20-24 YEARS OLD		25-54 YEARS OLD		55-64 YEARS OLD		65 YEARS AND OVER	
	1960	1967	1960	1967	1960	1967	1960	1967	1960	1967
United States: Total...	56.5	54.9	77.5	79.0	75.4	82.2	55.1	54.0	11.9	10.5
Male	60.5	58.4	85.7	84.9	83.4	92.9	71.2	67.0	18.3	15.7
Female	52.4	53.2	69.1	73.1	69.8	71.7	41.0	42.4	7.6	5.1
Canada: Total...	55.1	56.0	79.8	80.4	77.4	82.8	53.9	50.1	6.9	7.1
Male	57.9	57.6	86.3	84.4	84.8	94.0	76.2	68.4	14.8	11.8
Female	52.2	54.3	73.0	76.3	69.1	71.4	33.6	34.9	4.4	3.6
France: Total...	22.0	14.6	73.7	69.4	79.6	83.2	53.4	50.2	5.0	3.0
Male	25.7	17.3	80.2	74.7	86.4	85.9	68.5	47.6	7.5	4.7
Female	18.3	11.6	67.5	64.2	63.0	70.6	39.7	51.5	2.3	1.9
Italy: Total...	31.1	26.5	65.1	67.3	65.9	68.8	24.5	22.6	7.5	4.9
Male	33.3	28.0	72.5	72.1	63.1	61.3	39.6	36.8	12.6	6.3
Female	28.9	24.9	57.9	62.6	69.9	76.9	11.0	9.9	3.5	2.4
Japan: Total...	17.9	17.0	69.6	72.5	78.6	79.1	63.0	63.0	28.3	23.6
Male	17.4	17.4	69.6	71.3	87.0	86.7	65.4	62.6	41.0	35.6
Female	18.5	16.6	70.0	73.8	59.7	61.4	45.3	45.1	15.5	15.4
Sweden: Total...	55.6	48.4	83.1	81.0	88.3	92.6	66.8	69.4	6.6	5.1
Male	55.3	44.5	84.5	81.9	96.4	94.7	78.7	74.9	14.2	11.1
Female	55.8	48.4	81.6	80.0	82.9	90.4	55.3	64.1	3.7	3.1
United Kingdom: Total...	74.4	75.2	77.1	77.9	79.6	81.2	59.4	60.7	8.2	4.8
Male	73.6	76.0	85.0	85.9	85.4	93.3	81.6	87.1	10.3	7.9
Female	75.3	74.3	67.9	69.6	63.4	69.0	36.1	35.3	3.6	2.0
West Germany: Total...	43.9	49.1	73.8	73.1	74.0	73.4	42.8	37.8	4.5	3.1
Male	47.0	53.0	79.2	76.2	83.8	86.5	65.5	56.3	7.0	5.0
Female	40.5	45.0	69.0	69.6	63.6	60.5	27.2	23.1	3.1	2.1

NA Not available. ¹ Persons 16-19 years old. ² Persons 25-59 years old. ³ Persons 60-64 years old.

Source: Organization for Economic Cooperation and Development, Paris, France, *Historical Statistics, 1960-1962, 1964*; and *Labour Force Statistics, annual*.

**NO. 1429. ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT (OECD)—INDEX OF
INDUSTRIAL PRODUCTION: 1975 TO 1987**

[Minus sign (-) indicates decrease. For explanation of average annual percent change, see Guide to Tabular Presentation]

COUNTRY	INDEX (1960 = 100)						AVERAGE ANNUAL PERCENT CHANGE							
	1975	1982	1984	1985	1986	1987	1975-1980	1980-1985	1985-1990	1990-1994	1994-1999	1999-2000	2000-2007	
OECD, total	81.3	89.8	107.0	110.3	111.0	114.2	(NA)	2.0	3.1	7.4	3.5	.7	2.8	
United States	79.5	100.8	112.1	114.0	116.2	119.5	5.0	2.8	8.8	11.6	1.7	1.1	3.7	
Australia	87.8	92.0	98.0	101.7	102.9	103.6	2.6	.3	-5.0	6.6	3.8	1.2	.7	
Austria	80.0	96.5	103.6	106.4	109.6	110.3	4.6	1.8	1.0	5.3	4.4	1.1	.6	
Belgium	87.5	99.3	102.2	104.3	106.0	106.2	2.7	.8	2.0	2.9	2.1	.7	1.1	
Canada	85.0	95.5	104.7	109.6	117.9	123.2	3.3	1.6	5.9	9.6	4.6	7.4	4.5	
Finland	79	107.1	112.1	116.5	117.6	122.4	4.9	2.0	3.2	4.7	3.9	.9	4.2	
France	85	96	99	99	100	102	3.4	-	.8	1.5	-	1.0	2.0	
Greece	77.0	94.3	103.8	107.2	107.0	105.6	6.4	1.4	-8	10.1	3.2	.2	1.3	
Ireland	74.6	109.2	125.1	128.0	131.5	145.6	(NA)	4.7	6.4	14.6	2.3	2.7	10.7	
Italy	79.3	92.3	95.6	96.9	100.0	102.7	5.0	- .8	9.3	3.6	1.8	3.2	2.7	
Japan	72.6	105.0	116.5	121.7	118.3	122.0	6.6	4.0	3.6	10.9	4.5	2.8	3.1	
Luxembourg	93.0	101.7	113.6	121.4	124.7	124.8	1.5	4.0	6.4	11.7	6.8	2.7	.1	
Netherlands	89	96	101	104	106	107	(NA)	.8	2.1	5.2	3.0	1.6	.8	
Norway	78	106	115	121	126	135	6.7	3.2	8.1	5.6	5.2	4.1	7.1	
Portugal	71	106.6	106.7	111.1	125.0	126.0	7.1	2.1	1.6	- .2	4.1	12.5	2.4	
Spain	86.6	100.5	101.4	103.5	106.6	111.5	2.9	.7	2.7	.9	2.1	3.0	4.8	
Sweden	102	101	107	109	110	116	.4	2.3	4.1	5.9	1.9	.9	5.5	
Switzerland	87	95	97	103	107	108	2.7	.8	.7	2.7	6.2	3.9	.9	
United Kingdom	92.2	101.9	103.2	106.1	109.7	113.1	1.6	1.6	3.6	1.3	4.7	1.5	3.1	
West Germany	85	96	100	106	106	106	3.3	1.0	.7	3.4	5.0	-	-	

- Represents or rounds to zero. NA Not available. ¹ Mining and manufacturing. ² Not comparable to later years.

Source: Organization for Economic Cooperation and Development, Paris, France, *Main Economic Indicators, Historical Statistics, 1964-1983, 1984*; and *Main Economic Indicators, monthly*.

No. 1430. SELECTED INDEXES OF MANUFACTURING ACTIVITY—SELECTED COUNTRIES: 1970 TO 1987

(1977 = 100. Data refers to all employed persons in the United States and Canada; all employees in other countries. Minus sign (-) indicates decrease. For explanation of average annual percent change, see Guide to Tabular Presentation)

INDEX AND YEAR	United States	Belgium	Canada	Denmark	France	Italy	Japan	Netherlands	Sweden	United Kingdom	West Germany ¹
Output per hour:											
1970	80.8	80.4	75.8	85.8	70.0	72.7	64.8	64.3	80.7	80.4	71.2
1980	101.4	118.2	98.2	112.3	110.8	118.9	122.7	113.9	112.7	101.9	108.8
1985	124.2	159.0	119.7	116.3	133.3	151.9	161.1	145.1	136.1	134.7	128.5
1986	128.8	165.4	119.4	116.5	136.2	153.1	163.9	144.7	136.4	138.5	130.7
1987	132.4	(NA)	121.5	121.0	141.2	158.9	170.5	(NA)	139.9	148.1	132.4
Average annual percent change:											
1970-1980	2.3	7.0	2.6	5.5	4.7	4.9	6.6	5.9	3.4	2.4	4.3
1980-1985	4.1	5.9	4.1	1.0	3.6	5.4	6.6	5.0	3.8	5.8	3.4
1985-1987	3.3	(NA)	7	1.1	2.9	2.3	2.8	(NA)	1.4	4.8	1.5
Compensation per hour, national currency basis:²											
1970	57.4	34.9	47.9	36.3	36.7	26.1	33.8	38.0	36.5	31.4	48.0
1980	132.4	130.4	131.3	135.9	148.5	160.2	120.7	123.6	133.6	166.7	125.6
1985	176.9	184.5	194.7	198.1	267.2	348.6	151.4	157.7	212.4	258.6	184.7
1986	182.7	191.9	202.3	205.3	279.8	360.0	158.8	161.5	228.1	278.5	172.1
1987	185.1	(NA)	211.4	225.9	289.3	363.2	161.1	(NA)	243.8	301.3	179.1
Average annual percent change:											
1970-1980	6.7	14.1	10.6	14.1	15.0	19.9	13.5	12.2	13.2	18.3	10.1
1980-1985	6.0	7.2	8.2	7.6	12.5	16.8	4.6	5.0	9.7	8.9	5.6
1985-1987	2.3	(NA)	4.2	7.3	4.1	4.8	3.1	(NA)	7.1	7.9	4.3
Real hourly compensation:^{2,3}											
1970	89.6	81.0	79.2	88.6	87.7	62.3	68.7	68.6	71.7	78.6	88.4
1980	87.4	112.0	100.2	100.3	108.2	101.6	103.6	106.6	101.6	115.9	112.2
1985	99.6	112.8	103.9	96.8	123.2	115.9	113.4	111.2	103.3	125.0	121.8
1986	100.9	116.8	103.7	98.6	125.7	112.9	118.3	113.7	106.2	130.2	127.3
1987	98.7	(NA)	103.8	106.0	126.1	114.8	119.6	(NA)	108.7	135.2	132.3
Average annual percent change:											
1970-1980	.8	6.3	2.4	3.9	4.8	5.0	4.2	4.5	3.6	4.0	4.8
1980-1985	.5	1	7	-.3	2.6	2.7	1.8	.8	.3	1.9	1.6
1985-1987	.5	(NA)	-	3.6	1.1	-.5	2.6	(NA)	2.6	4.0	4.3
Unit labor costs, national currency:											
1970	71.0	57.8	63.4	55.4	52.5	38.0	52.3	60.7	47.7	39.1	67.4
1980	130.6	109.4	133.7	121.0	134.3	137.0	98.4	106.6	116.6	166.6	116.7
1985	142.4	118.0	162.8	165.7	200.4	229.5	94.0	106.7	156.1	192.0	128.2
1986	141.8	118.0	169.4	173.2	205.4	235.1	97.0	111.6	167.3	201.1	131.7
1987	139.7	(NA)	174.0	186.6	204.9	241.2	94.6	(NA)	174.3	203.4	135.2
Average annual percent change:											
1970-1980	6.3	6.6	7.8	8.1	9.8	14.3	6.5	6.0	9.5	15.5	5.6
1980-1985	1.8	1.2	4.0	6.5	8.3	10.9	-.9	-	5.7	3.0	2.1
1985-1987	-1.0	(NA)	3.4	6.1	1.1	2.5	-.3	(NA)	6.7	2.8	2.7
Unit labor costs, U.S. dollar basis:⁴											
1970	71.0	41.7	64.5	44.4	46.7	50.6	39.1	41.2	41.1	53.7	42.9
1980	130.6	134.3	121.6	129.0	166.4	141.4	116.8	134.1	125.3	220.7	147.9
1985	142.4	70.1	126.6	93.9	109.7	106.1	105.6	80.4	81.1	142.7	101.1
1986	141.8	93.1	129.5	128.5	145.8	139.2	154.2	111.9	104.9	189.2	140.8
1987	139.7	(NA)	139.4	163.6	167.6	164.2	175.0	(NA)	122.7	191.2	174.5
Average annual percent change:											
1970-1980	6.3	12.4	6.5	11.3	12.9	10.8	11.6	12.5	11.8	15.2	13.2
1980-1985	1.6	-12.2	.8	-8.2	-6.8	-5.6	-2.0	-9.7	8.3	8.3	7.3
1985-1987	1.0	(NA)	6.0	32.0	23.6	24.4	28.8	(NA)	23.0	15.7	31.4
Employment:											
1970	98.2	114.3	94.7	113.5	97.3	94.8	101.0	118.2	103.6	113.3	112.9
1980	103.2	91.2	106.5	96.7	95.5	98.7	99.6	95.4	97.5	93.6	101.1
1985	98.1	79.9	101.8	107.2	83.6	83.1	107.6	84.8	89.0	73.3	91.9
1986	96.8	77.7	103.8	107.4	81.5	82.1	107.3	86.3	89.9	71.8	92.7
1987	97.4	(NA)	108.2	106.6	79.5	81.4	106.1	(NA)	90.0	70.2	92.5
Average annual percent change:											
1970-1980	.6	2.2	1.2	1.4	-.2	.5	1	2.1	.8	-1.9	-1.1
1980-1985	-1.0	-2.8	-.9	1.7	2.6	3.6	1.6	-2.3	-1.8	4.8	-2.0
1985-1987	-.4	(NA)	2.1	-.7	-2.5	-1.0	-.7	(NA)	.6	2.2	.7
Hours:											
1970	87.3	130.2	97.2	125.1	104.7	107.4	107.9	131.2	114.6	118.1	121.7
1980	101.7	89.6	106.5	96.0	94.6	96.7	101.2	93.6	82.3	90.1	98.1
1985	98.7	75.4	101.2	104.3	77.5	80.2	108.8	79.9	84.7	70.7	85.7
1986	97.8	73.8	103.8	106.9	75.8	82.2	108.7	81.1	84.5	69.0	86.3
1987	96.7	(NA)	108.9	102.7	73.7	82.6	108.0	(NA)	84.6	68.0	85.7
Average annual percent change:											
1970-1980	4	-3.7	.8	-2.4	-1.0	-.8	.6	3.3	2.1	2.7	2.1
1980-1985	.6	-3.4	-.8	1.2	3.9	4.1	1.6	3.1	1.7	4.7	-2.7
1985-1987	-.	(NA)	2.6	.7	-2.5	1.5	-.8	(NA)	1	-1.9	-.

- Represents or rounds to zero. NA Not available. ¹ Includes West Berlin. ² Compensation includes, but real hourly compensation excludes, adjustments for payroll and employment taxes that are not compensation to employees, but are labor costs to employers. ³ Index of hourly compensation divided by the index of consumer prices to adjust for changes in purchasing power. ⁴ Indexes in national currency adjusted for changes in prevailing exchange rates.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review* and *News Release* USDL 86-326, "International Comparisons of Manufacturing Productivity and Labor Cost Trends," July 6, 1988.

No. 1431. CRUDE STEEL PRODUCTION AND CONSUMPTION: 1975 TO 1985

[Production data cover both ingots and steel for castings and exclude wrought (puddled) iron. Consumption data represent apparent consumption (i.e. production plus imports minus exports) and do not take into account changes in stocks]

COUNTRY	PRODUCTION (mil. metric tons)				CONSUMPTION							
	1975	1980	1984	1985	Total (mil. metric tons)				Per capita (kilograms)			
					1975	1980	1984	1985	1975	1980	1984	1985
World.....	642.5	888.4	877.1	878.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
United States.....	105.8	101.5	83.9	80.1	118.8	115.6	113.3	107.3	541	506	479	448
Argentina.....	2.0	2.0	2.5	2.8	4.2	3.4	2.7	(NA)	183	120	88	(NA)
Australia.....	27.9	27.9	24.8	25.3	8.3	8.1	5.7	5.8	453	414	388	386
Austria.....	4.1	4.8	4.9	4.7	2.2	2.7	1.9	1.8	284	358	257	235
Bangladesh.....	1	1	1	1	.2	.4	.4	.5	2	4	4	5
Belgium.....	11.6	12.3	11.4	10.8	3.2	3.2	3.8	2.8	314	313	354	275
Brazil.....	7.8	10.2	10.8	8.1	11.1	14.2	8.3	(NA)	106	117	70	(NA)
Bulgaria.....	2.3	2.0	2.9	2.9	2.2	2.8	2.9	3.0	252	315	323	336
Canada.....	13.0	15.8	14.7	13.5	13.2	12.9	13.2	11.8	561	638	525	471
China: Mainland.....	23.9	37.1	43.5	46.8	28.1	43.3	57.9	66.6	31	44	55	83
Czechoslovakia.....	14.3	15.2	14.8	15.0	10.8	11.2	10.8	11.0	731	729	700	709
East Germany.....	8.5	7.3	7.8	7.8	9.5	9.8	8.9	9.5	586	583	538	574
France.....	21.5	23.2	19.0	19.1	19.3	20.0	15.2	14.2	365	372	276	258
Greece.....	11.0	11.1	.8	1.0	1.3	2.0	1.5	1.8	143	208	149	184
India.....	7.9	9.4	10.3	11.1	8.4	11.5	(NA)	(NA)	14	17	(NA)	(NA)
Indonesia.....	1	.4	1.0	1.4	1.4	2.3	2.5	2.3	11	18	18	14
Italy.....	21.8	26.5	24.1	23.9	17.8	26.1	20.9	20.7	321	483	367	382
Japan.....	102.3	111.4	105.8	105.3	64.7	73.4	66.5	66.7	580	629	571	553
Mexico.....	5.2	7.0	7.3	7.2	8.1	10.8	8.6	8.3	102	152	113	105
Netherlands.....	4.8	5.0	3.5	3.4	4.5	4.6	4.3	4.4	332	326	295	305
Nigeria.....	(NA)	(Z)	.2	.3	1.4	2.0	.6	.6	21	24	7	9
North Korea.....	2.9	5.2	8.5	8.5	2.9	5.9	8.3	8.4	165	326	319	413
Pakistan.....	(NA)	(NA)	(NA)	(NA)	.5	.8	.7	.7	8	8	7	7
Philippines.....	(NA)	(NA)	(NA)	(NA)	1.0	1.2	.6	.5	24	25	12	8
Poland.....	14.8	18.6	15.2	15.4	17.8	18.3	15.3	15.2	524	642	418	408
Romania.....	9.5	13.2	14.4	13.8	8.6	12.1	11.5	10.9	463	645	508	480
South Africa.....	8.6	9.1	7.8	8.8	7.5	8.8	5.4	(NA)	288	232	172	(NA)
South Korea.....	2.0	5.8	5.1	4.9	1.8	4.8	8.1	(NA)	52	126	188	(NA)
Soviet Union.....	141.3	147.9	154.2	154.7	141.0	(NA)	(NA)	(NA)	534	(NA)	(NA)	(NA)
Spain.....	11.1	12.6	13.4	14.7	10.9	8.9	8.6	8.9	306	298	170	257
Sweden.....	5.6	4.2	4.7	4.8	8.3	4.1	3.7	3.2	773	488	441	384
Turkey.....	1.5	1.7	2.8	3.1	2.7	3.4	5.1	(NA)	68	77	106	(NA)
United Kingdom.....	20.1	11.3	15.1	15.7	21.0	13.8	14.4	14.4	376	248	255	254
Venezuela.....	.9	1.8	2.8	3.1	2.3	3.0	3.0	3.2	185	189	177	188
Vietnam.....	(NA)	(NA)	(NA)	(NA)	.2	.2	1	1	4	4	2	1
West Germany.....	40.4	43.8	38.4	38.2	30.3	33.8	29.9	29.3	489	549	489	481
Yugoslavia.....	2.9	2.3	2.0	2.1	5.3	5.7	5.0	5.1	246	255	217	221

NA Not available. Z Less than 50,000 metric tons. ¹ Excludes steel for castings made in foundries operated by companies not producing ingots. ² Year ending June 30. ³ Luxembourg included with Belgium. ⁴ Data from U.S. Bureau of Mines. ⁵ Including Botswana, Lesotho, Namibia, and Swaziland.

Source: Statistical Office of the United Nations, New York, NY, *Statistical Yearbook*. (Copyright.)

No. 1432. WORLD PRODUCTION OF MAJOR MINERAL COMMODITIES, BY SELECTED COMMODITY: 1982 TO 1986

[Metric ton = 1.1023 short tons]

COMMODITY	Unit	1982	1983	1984	1985, prel.	1986, est.	Leading producers, 1986
MINERAL FUELS							
Coal.....	Mil. metric tons	3,913	4,010	4,204	4,421	4,508	China, Mainland, U.S., Soviet Union.
Gas, natural, marketed.....	Tril. cu. ft.	54.5	54.7	59.5	61.7	63.1	Soviet Union, U.S., Canada.
Natural gas liquids ¹	Mil. barrels ²	1,393	1,439	1,626	1,806	1,845	U.S., Soviet Union, Saudi Arabia.
Petroleum, crude.....	Mil. barrels ²	19,414	19,233	19,807	19,471	20,369	Soviet Union, U.S., Saudi Arabia.
Petroleum, refined.....	Mil. barrels ²	20,830	20,449	22,172	21,361	22,106	U.S., Soviet Union, Japan.
NONMETALLIC MINERALS							
Cement, hydraulic.....	Mil. metric tons	888	917	941	958	968	China, Mainland, Soviet Union, U.S.
Diamond, gem and industrial ¹	1,000 carats	40,431	55,392	53,427	55,145	91,833	Australia, Zaire, Botswana.
Nitrogen in ammonia.....	Mil. metric tons	75.9	79.4	86.1	88.0	87.0	Soviet Union, China, Mainland, U.S.
Phosphate rock.....	Mil. metric tons	127	129	150	147	137	U.S., Soviet Union, Morocco.
Potash, marketable.....	Mil. metric tons	24.5	27.4	29.3	29.1	29.2	Soviet Union, Canada, East Germany.
Salt.....	Mil. metric tons	184	189	173	174	174	U.S., China, Mainland, Soviet Union.
Sulfur, elemental base.....	Mil. metric tons	50.6	50.3	52.5	54.6	54.2	U.S., Soviet Union, Canada.
METALS							
Aluminum ³	Mil. metric tons	13.4	13.9	16.7	15.4	15.3	U.S., Soviet Union, Canada.
Bauxite, gross weight.....	Mil. metric tons	60.9	60.2	86.4	85.9	87.5	Australia, Guinea, Jamaica.
Chromite, gross weight ⁴	1,000 metric tons	5,480	5,222	9,758	10,551	10,336	South Africa, Soviet Union, Albania.
Copper, metal content ⁴	1,000 metric tons	7,622	7,662	7,974	8,088	8,156	Chile, U.S., Canada.
Gold, metal content.....	Mil. troy ounces	43.1	45.0	46.5	48.7	50.9	South Africa, Soviet Union, U.S.
Iron ore, gross weight ⁵	Mil. metric tons	781	740	835	851	862	Soviet Union, Brazil, Australia.
Lead, metal content ⁴	1,000 metric tons	3,448	3,356	3,252	3,394	3,247	Soviet Union, Australia, U.S.
Manganese ore, gross weight.....	Mil. metric tons	24.2	21.9	23.7	24.4	24.2	Soviet Union, South Africa, Brazil.
Nickel, metal content ⁴	1,000 metric tons	631	675	770	802	784	Soviet Union, Canada, Australia.
Steel, crude.....	Mil. metric tons	644	663	710	717	707	Soviet Union, Japan, U.S.
Tin, metal content ⁴	1,000 metric tons	219	197	186	189	180	Malaysia, Brazil, Soviet Union.
Zinc, metal content ⁴	1,000 metric tons	6,126	6,368	6,602	6,657	6,653	Canada, Soviet Union, Australia.

¹ Excludes China, Mainland. ² 42-gallon barrels. ³ Unalloyed ingot metal. ⁴ Mine output. ⁵ Includes iron ore concentrates and iron ore agglomerates.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1433. ENERGY CONSUMPTION AND PRODUCTION, BY COUNTRY: 1980 AND 1985

[Metric ton = 1 023 short tons. See text, section 3.1 for general comments about the data. For additional data qualifications for countries, see source.]

COUNTRY	ENERGY CONSUMED ¹ (coal equiv.)				ELECTRIC ENERGY PRODUCTION ² (bil. kWh)		CRUDE PETROLEUM PRODUCTION ³ (mil. metric tons)		COAL PRODUCTION ⁴ (mil. metric tons)	
	Total (mil. metric tons)		Per capita (kilograms)		1980	1985	1980	1985	1980	1985
	1980	1985	1980	1985						
World, total	8,544.3	9,321.8	1,319	1,395	8,347	9,092	2,878	2,900	2,728	3,195
United States	2,354.5	2,278.1	10,388	9,489	^a 2,354	^a 2,583	424.2	426.2	710.4	738.9
Algeria	24.8	26.5	1,327	1,273	7.1	12.7	47.4	27.9	(x)	^a (x)
Argentina	49.3	53.9	1,746	1,737	39.7	49.0	25.3	22.3	4	.4
Australia ⁷	91.2	106.5	8,195	8,700	96.1	127.7	18.8	25.3	72.5	133.4
Austria	30.5	30.2	4,058	4,024	42.0	44.1	1.5	1.1	(z)	(z)
Bahrain	4.4	6.6	12,661	14,864	1.7	3.0	2.4	2.1	(NA)	(NA)
Bangladesh	3.8	6.4	44	82	2.7	5.1	(z)	(z)	(x)	(x)
Belgium	59.1	55.3	5,987	5,577	53.8	57.6	(x)	(x)	6.3	^a 5.6
Brazil	92.5	105.4	783	781	139.5	201.6	6.1	28.8	5.2	7.4
Bulgaria	47.3	52.7	5,254	5,780	34.8	41.6	^a 3	^a 3	.3	.2
Burma	2.2	3.2	62	85	1.3	2.2	1.8	^a 1.4	(z)	^a 1
Canada	254.2	249.1	10,547	9,694	377.5	468.6	70.4	72.1	20.2	30.5
Chile	11.4	11.3	1,025	921	11.8	14.8	1.6	1.5	1.0	1.6
China, Mainland	582.8	742.8	571	706	300.6	444.1	105.9	130.8	595.8	^a 840.0
Taiwan ⁸	37.8	49.8	2,126	2,550	43.8	63.4	.2	1	2.6	1.7
Colombia	23.8	22.8	823	779	22.9	27.0	6.5	16.7	4.9	^a 10.7
Cuba	13.6	14.4	1,394	1,424	9.9	13.2	.3	.9	(x)	(x)
Czechoslovakia	97.4	97.8	6,384	6,258	72.7	64.8	1	1	^a 28.3	^a 25.7
Denmark	26.9	27.3	5,254	5,331	27.1	30.7	3	3.8	(x)	(x)
East Germany	121.8	133.3	7,276	7,944	98.8	115.3	1	(z)	(z)	(z)
Ecuador	5.7	6.3	706	656	3.4	5.3	10.4	14.8	(NA)	(NA)
Egypt	20.1	33.7	488	702	19.9	25.1	29.4	40.2	(x)	(x)
Ethiopia	8	8	27	19	7	.8	(x)	(x)	(NA)	(NA)
Finland	26.4	27.6	5,514	5,623	^a 36.7	^a 48.9	(x)	(x)	(x)	(x)
France ¹⁰	237.3	212.8	4,409	3,661	^a 246.4	^a 343.0	1.2	2.9	^a 20.2	^a 16.3
Greece	20.1	24.3	2,088	2,455	22.7	28.2	(z)	1.3	(x)	(x)
Hong Kong	7.3	10.0	1,448	1,784	12.6	21.4	(NA)	(NA)	(x)	(x)
Hungary	40.6	39.9	3,787	3,735	23.9	28.1	2.0	2.0	^a 3.1	^a 2.3
India	139.4	210.2	202	272	119.3	202.6	9.4	31.1	109.1	186.1
Indonesia	34.7	47.5	230	280	14.2	29.9	77.6	71.0	.3	1.7
Iran	¹¹ 45.7	52.6	¹¹ 1,177	1,150	¹¹ 22.4	36.8	¹¹ 72.7	^a 93.4	^a 11.9	^a 6
Iraq	10.7	11.1	607	678	11.4	18.9	130.1	82.7	(NA)	(NA)
Ireland	11.1	13.0	3,286	3,556	10.9	12.3	(x)	(x)	1	1
Israel	6.8	11.0	2,273	2,546	12.5	16.3	(z)	(z)	(x)	(x)
Italy ¹²	174.9	184.2	3,112	3,211	185.7	189.0	1.8	2.5	^a (z)	(z)
Japan	434.8	440.2	3,726	3,825	577.5	671.8	4	.6	16.0	16.0
Kuwait ¹³	6.9	14.7	5,019	7,773	9.4	17.3	64.1	71.5	(NA)	(NA)
Libya	7.3	13.5	2,486	3,597	4.8	9.0	68.3	49.7	(x)	(x)
Malaysia	12.2	16.7	882	1,048	10.2	16.1	13.2	24.5	(x)	(x)
Mexico	118.6	129.8	1,709	1,804	^a 67.0	^a 97.5	98.9	^a 126.2	7.0	^a 8.5
Morocco	6.4	7.3	319	323	4.8	7.2	(z)	^a (z)	7	.8
Netherlands	83.0	104.8	6,543	7,200	64.8	87.1	1.3	4.6	(z)	^a (z)
New Zealand	10.0	13.1	3,152	3,910	22.0	28.2	3	^a 1.3	2.0	^a 2.1
Nigeria	11.0	18.9	136	171	7.2	9.8	104.2	72.8	2	1
North Korea	48.5	57.9	2,713	2,771	35.0	50.0	(x)	(x)	^a 36.0	^a 36.5
Norway ¹⁴	26.3	27.5	8,423	8,616	84.1	86.4	24.6	40.5	3	.8
Pakistan	16.6	25.6	191	249	15.3	25.8	.5	1.9	1.5	2.1
Peru	12.0	10.6	693	524	9.8	12.6	9.6	8.8	^a 1	^a 2
Philippines	18.7	13.7	346	246	17.9	22.3	5	.3	3	1.2
Poland	178.8	176.2	4,936	4,700	121.9	140.3	3	.2	193.1	192.1
Portugal	11.2	13.5	1,163	1,318	15.3	20.2	(x)	(x)	.2	.2
Romania	100.0	103.9	4,506	4,483	87.5	71.6	11.5	^a 10.5	6.1	^a 8.7
Saudi Arabia ¹⁵	25.3	49.9	2,746	4,148	18.9	—	496.9	251.7	(NA)	(NA)
South Africa ¹⁶	90.2	106.2	2,751	2,779	90.4	122.3	(x)	(x)	116.6	175.7
South Korea	52.3	66.2	1,373	1,625	40.1	—	(x)	(x)	16.6	24.3
Soviet Union	1,473.1	1,797.2	5,549	6,389	1,293.9	1,596.9	603.2	615.0	482.9	512.9
Spain	86.4	85.3	2,359	2,199	110.5	127.7	1.6	1.9	^a 13.1	^a 16.0
Sudan	1.6	1.5	82	67	1.0	1.1	(x)	(x)	(NA)	(NA)
Sweden	44.5	40.6	5,376	4,893	96.7	138.0	(z)	(z)	(z)	(z)
Switzerland ¹⁷	23.3	25.6	3,636	3,990	^a 48.1	^a 54.9	(x)	(x)	(x)	(x)
Syria	7.3	13.1	636	1,198	3.8	7.0	6.3	9.3	(x)	(x)

See footnotes at end of table.

No. 1433. ENERGY CONSUMPTION AND PRODUCTION, BY COUNTRY: 1960 AND 1966—Continued

[Metric ton=1.1023 short tons. See text, section 31, for general comments about the data. For additional data qualifications for countries, see source]

COUNTRY	ENERGY CONSUMED ¹ (coal equiv.)				ELECTRIC ENERGY PRODUCTION ² (bil. kWh)		CRUDE PETROLEUM PRODUCTION ³ (mil. metric tons)		COAL PRODUCTION ⁴ (mil. metric tons)	
	Total (mil. metric tons)		Per capita (kilograms)		1960	1966	1960	1966	1960	1966
	1960	1966	1960	1966						
Tanzania.....	.8	.9	44	38	.7	.9	(x)	(x)	(z)	⁵ (z)
Thailand.....	17.3	23.8	372	451	15.1	25.9	(z)	1.1	(z)	(z)
Trinidad and Tobago.....	7.5	9.1	5,992	7,587	2.0	3.3	11.0	6.7	(NA)	(NA)
Tunisia.....	4.1	5.2	639	712	2.8	4.2	5.6	5.2	(x)	(x)
Turkey.....	31.8	49.0	718	974	23.3	39.7	2.3	2.4	3.6	3.6
United Arab Emirates.....	16.8	9.7	17,188	6,991	6.3	6.7	82.8	⁶ 88.2	(NA)	(NA)
United Kingdom.....	271.0	302.3	4,850	5,363	284.9	298.2	78.9	121.2	⁷ 130.1	⁸ 108.1
Venezuela.....	49.0	60.1	3,140	3,390	35.9	48.7	114.8	84.0	(z)	.1
Vietnam.....	6.6	7.3	122	120	3.8	5.2	(NA)	(NA)	5.2	⁹ 5.5
West Germany.....	359.4	344.5	5,829	5,672	388.8	406.4	4.6	¹⁰ 5.6	84.5	87.1
Yugoslavia.....	46.0	56.9	2,152	2,440	59.4	77.4	4.2	4.2	.4	.4
Zaire.....	2.0	2.1	89	87	4.2	4.8	1.0	¹¹ 1.3	1	¹² 1.1
Zambia.....	2.3	1.9	403	281	¹³ 9.2	¹⁴ 10.1	(x)	(x)	.8	.8

NA Not available. X Not applicable. Z Less than 50,000 metric tons. ¹ Based on apparent consumption of coal, lignite, petroleum products, natural gas, and hydro, nuclear, and geothermal electricity. ² Comprises production by utilities generating primarily for public use, and production by industrial establishments generating primarily for own use. Excludes production at generating centers, including station use and transmission losses. ³ Includes shale oil, but excludes natural gasoline. ⁴ Excludes lignite and brown coal, except as noted. ⁵ Net production, i.e., excluding station use. ⁶ United Nations Statistical Office estimate. ⁷ For year ending June 30 of year shown. ⁸ Includes surpluses. ⁹ Source: U.S. Bureau of the Census. Data from Republic of China publications. ¹⁰ Includes Monaco. ¹¹ For year ending March 20 of year shown. ¹² Includes San Marino. ¹³ Includes share of production and consumption in the Neutral Zone. ¹⁴ Includes peat fuel and hard coal briquettes. ¹⁵ Includes Svalbard and Jan Mayen Islands. ¹⁶ Includes Botswana, Lesotho, Namibia, and Swaziland. ¹⁷ Includes Liechtenstein. ¹⁸ Includes inputs other than crude petroleum and natural gas liquids.

Source: Except as noted, Statistical Office of the United Nations, New York, NY, *Energy Statistics Yearbook, 1988*. (Copyright.)

No. 1434. PRIMARY ENERGY PRODUCTION, BY SOURCE OF ENERGY AND REGION: 1970 TO 1986

[In millions of metric tons of coal equivalent. See text, section 31, for general comments concerning the data]

SOURCE OF ENERGY AND YEAR	World, total	Africa	United States and Canada	Other Western Hemisphere	Asia	Europe	Soviet Union	Oceania
Total primary energy: 1970..	7,045	486	2,309	459	1,501	911	1,216	63
1975.....	8,087	437	2,225	416	2,287	1,047	1,578	89
1980.....	9,285	584	2,327	565	2,484	1,270	1,938	119
1983.....	8,917	502	2,177	616	2,080	1,348	2,053	143
1984.....	9,268	538	2,357	635	2,139	1,329	2,114	155
1985.....	9,455	571	2,343	633	2,171	1,402	2,160	175
1986.....	9,839	578	2,308	644	2,427	1,432	2,259	182
Coal and lignite: 1970	2,148	64	526	8	394	682	459	46
1975.....	2,308	62	535	11	501	636	501	60
1980.....	2,629	89	657	15	620	654	510	71
1983.....	2,719	114	623	18	716	656	498	82
1984.....	2,839	129	716	19	777	694	497	97
1985.....	2,985	136	717	22	826	647	506	108
1986.....	3,071	139	717	24	868	679	524	121
Crude petroleum: ¹ 1970	3,433	427	878	388	1,146	56	814	12
1975.....	3,661	366	801	334	1,574	71	715	29
1980.....	4,497	444	616	437	1,691	210	879	30
1983.....	3,982	338	789	477	1,184	275	862	29
1984.....	4,044	365	825	497	1,161	295	877	33
1985.....	4,011	371	831	490	1,124	304	852	40
1986.....	4,222	371	808	482	1,318	311	880	41
Natural gas: 1970	1,311	3	652	42	39	145	226	2
1975.....	1,577	14	602	63	61	278	344	6
1980.....	1,840	35	752	85	117	320	517	14
1983.....	1,858	45	639	86	123	305	636	19
1984.....	1,990	48	693	83	140	307	698	21
1985.....	2,052	57	667	82	152	317	756	22
1986.....	2,103	62	645	88	169	303	809	24
Hydro and nuclear electricity: ² 1970	154	3	53	10	20	49	16	3
1975.....	224	5	85	15	30	85	18	4
1980.....	301	7	102	28	45	86	30	4
1983.....	361	6	117	33	57	106	36	4
1984.....	395	6	123	36	61	122	42	4
1985.....	426	6	126	39	67	135	47	5
1986.....	444	7	135	40	72	139	48	5

¹ Includes natural gas liquids. ² Includes geothermal.Source: Statistical Office of the United Nations, New York, NY, *Energy Statistics Yearbook 1988*. (Copyright.)

No. 1435. INDICES OF FOOD PRODUCTION: 1960 TO 1967

[1979-1979 = 100. For explanation of annual percent change, see Guide to Tabular Presentation. Minus sign (—) indicates decrease]

REGION AND COUNTRY	TOTAL FOOD PRODUCTION						PER CAPITA FOOD PRODUCTION					
	1960	1965	1966	1967	Average annual percent change		1960	1965	1966	1967	Average annual percent change	
					1960-1967	1966-1967					1960-1967	1966-1967
World	104	120	120	118	1.8	-1.7	99	104	103	100	.1	-2.9
Developed countries	105	114	113	111	.8	-1.8	102	106	106	103	1	-2.8
United States	102	117	112	108	.8	-3.8	99	107	102	98	-1	-3.9
Canada	103	120	121	126	2.9	-3.8	100	110	119	113	1.8	-5.0
Western Europe	112	117	117	116	.5	-.9	111	114	114	113	.3	-.8
Japan	90	102	101	98	1.2	3.0	86	96	95	91	.5	-4.2
Oceania	98	113	111	108	1.1	-4.5	95	102	100	94	-.2	-8.0
South Africa	109	108	106	112	.4	3.7	101	99	97	98	-2.0	1.2
Centrally planned countries	101	120	122	121	2.6	.8	96	110	110	108	1.4	-1.8
Soviet Union	95	101	108	107	1.7	-.8	82	94	100	97	.8	-3.0
Eastern Europe	97	106	111	108	1.6	-2.7	95	102	106	103	1.2	-2.9
China, Mainland	119	178	188	185	4.8	-1.8	114	159	146	145	3.5	-.7
Developing countries	107	125	127	125	2.3	-1.8	100	103	102	98	-.3	-2.0
East Asia	89	109	115	113	3.5	2.7	85	96	96	97	1.9	1.0
South Asia	103	124	125	115	1.6	-8.0	98	119	119	113	2.4	-5.0
Middle East	103	126	126	126	4.1	.7	95	98	102	100	.7	-2.0
Sub-Saharan Africa	107	122	124	119	1.5	-4.0	89	97	96	89	-1.5	-7.3
North Africa	110	126	132	130	2.4	-1.5	101	109	102	96	.4	-3.9
Latin America	112	120	123	126	1.7	2.4	104	102	99	101	-.4	2.0

Source: U.S. Dept. of Agriculture, Economic Research Service, *World Food Needs and Availability, 1967/68*, July 1967 and unpublished data.

No. 1436. WHEAT, RICE AND CORN—EXPORTS AND IMPORTS OF 10 LEADING COUNTRIES: 1964 TO 1966

[In thousands of metric tons. Countries listed are the ten leading exporters or importers in 1966]

LEADING EXPORTERS	EXPORTS			LEADING IMPORTERS	IMPORTS		
	1964	1965	1966		1964	1965	1966
WHEAT							
United States	42,243	24,810	24,555	Soviet Union	28,700	20,309	14,125
Australia	10,535	15,704	16,109	China, Mainland	10,539	6,135	6,862
Canada	21,091	16,963	16,957	Japan	5,978	5,510	5,620
France	13,817	16,943	13,387	Italy	4,019	4,534	5,209
Argentina	7,245	9,583	4,030	Egypt	4,520	4,524	4,690
United Kingdom	2,175	1,886	3,987	South Korea	2,649	2,988	3,449
West Germany	1,803	1,045	2,143	West Germany	1,593	3,083	2,393
Hungary	1,271	2,002	1,870	Iran	2,804	2,700	2,350
Soviet Union	1,621	1,250	1,100	Algeria	2,006	3,030	2,200
Greece	1,011	345	548	Brazil	4,866	4,041	2,250
RICE							
Thailand	4,616	4,062	4,524	Brazil		339	1,310
United States	2,141	1,940	2,382	Iraq	510	650	525
Pakistan	1,265	719	1,316	Vietnam	284	422	500
China, Mainland	1,370	1,046	980	Soviet Union	150	321	493
Italy	536	727	676	Iran	588	420	400
Burma	720	470	500	Senegal	371	336	378
Uruguay	152	242	261	Ivory Coast	321	342	375
India	200	260	250	Saudi Arabia	490	428	375
Australia	248	341	178	Hong Kong	398	378	398
Indonesia		259	136	China, Mainland	103	213	330
CORN							
United States	46,104	44,033	27,089	Japan	14,170	14,225	14,663
Argentina	5,518	7,069	7,375	Soviet Union	12,200	16,800	6,900
France	5,208	4,457	5,799	South Korea	3,065	3,408	3,671
China, Mainland	952	6,338	5,643	China, Mainland	3,015	3,108	3,664
Thailand	3,117	2,752	3,981	Brazil	254	262	2,225
South Africa	40	400	1,800	Egypt	1,582	1,907	2,140
Yugoslavia	986	900	1,796	Netherlands	2,229	2,374	1,977
Greece	48	209	580	Mexico	2,498	3,066	1,704
Hungary	198	228	478	United Kingdom	1,473	1,455	1,482
Zimbabwe	2	189	436	Belgium-Luxembourg	2,680	1,930	1,486

— Represents or rounds to zero.

Source: U.S. Dept. of Agriculture, Economic Research Service, Data from Food and Agriculture Organization of the United Nations, Rome, Italy, *FAO Trade Yearbook*.

No. 1437. WHEAT, RICE, AND CORN PRODUCTION, BY COUNTRY: 1984 TO 1986

[In thousands of metric tons. Rice data cover rough and paddy. Data for each country pertain to the calendar year in which all or most of the crop was harvested. See text, section 31, for general comments concerning quality of the data.]

COUNTRY	WHEAT			RICE			CORN		
	1984	1985	1986	1984	1985	1986	1984	1985	1986
World, total	518,457	508,034	535,842	470,384	474,738	475,833	453,783	488,325	498,689
United States	70,616	65,999	56,792	6,296	6,120	6,087	194,926	225,478	209,632
Argentina	13,220	8,700	8,800	478	410	405	8,500	11,530	12,400
Australia	18,686	16,127	17,358	632	684	687	236	291	228
Belgium ¹	1,330	1,215	² 1,266	(NA)	(NA)	(NA)	53	² 60	² 58
Brazil	1,983	4,323	5,433	9,027	9,019	10,399	21,184	22,020	26,516
Burma	214	808	248	14,265	15,219	² 15,000	303	323	² 360
Canada	21,199	24,252	31,850	(NA)	(NA)	(NA)	7,024	7,472	6,894
China: Mainland ³	87,817	86,812	89,002	181,193	171,417	177,000	73,800	84,056	85,980
Egypt	1,615	1,872	1,929	2,236	2,310	² 2,450	3,170	² 3,882	² 3,801
France	32,977	28,880	26,587	86	82	80	10,483	12,406	10,782
Greece	2,308	1,789	2,200	82	103	102	2,091	1,948	2,070
Hungary	7,392	6,578	5,803	33	36	44	6,886	6,618	7,214
India	45,478	44,069	46,885	87,553	86,306	90,000	6,442	6,890	6,000
Indonesia	(NA)	(NA)	(NA)	38,136	39,033	39,275	5,288	4,390	5,767
Iran	² 5,500	6,881	7,126	1,600	1,523	1,589	² 50	² 50	² 50
Iraq	471	1,406	² 1,100	109	149	² 145	30	41	² 36
Italy	10,067	8,516	8,070	1,009	1,123	1,082	5,872	5,309	6,880
Japan	741	874	876	14,848	14,578	14,589	2	2	1
Mexico	4,606	5,207	4,772	484	608	523	12,910	13,957	12,154
Pakistan	10,882	11,703	13,929	4,973	4,437	5,241	1,028	1,009	1,067
South Korea	17	11	² 5	7,870	7,865	7,790	133	132	113
Soviet Union	68,600	78,100	92,300	2,720	2,570	2,600	13,600	14,400	12,800
Sweden	1,778	1,338	1,714	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Thailand	(NA)	(NA)	(NA)	19,805	20,284	19,100	4,226	4,834	4,197
United Kingdom	14,970	12,046	13,874	(NA)	(NA)	(NA)	² 1	² 1	² 1
Vietnam	(NA)	(NA)	(NA)	15,506	16,875	16,187	525	600	² 600
West Germany	10,223	9,886	10,406	(NA)	(NA)	(NA)	1,028	1,204	1,302
Yugoslavia	5,695	4,850	4,778	36	36	49	11,312	9,888	12,502

NA Not available. ¹ Includes Luxembourg. ² Unofficial figure. ³ FAO estimate.

Source: Food and Agriculture Organization of the United Nations, Rome, Italy, 1986 FAO Production Yearbook, vol. 40 (copyright).

No. 1438. FISHERIES—COMMERCIAL CATCH, BY COUNTRY: 1982 TO 1986

[In millions of pounds, live weight. Catch of fish, crustaceans, mollusks (including weight of shells), and other aquatic plants and animals, except whales and seals.]

COUNTRY	1982	1983	1984	1985	1986	COUNTRY	1982	1983	1984	1985	1986
World total ¹	199.2	170.3	199.2	199.6	203.2	Japan	23.9	24.9	26.5	25.2	26.4
United States	6.6	9.4	10.6	10.5	10.9	Mexico	2.9	2.3	2.4	2.7	2.9
Canada	3.1	3.0	2.8	3.1	3.2	North Korea (est.)	3.4	3.5	3.6	3.7	3.7
Chile	6.1	8.8	8.9	10.8	12.3	Norway	5.5	6.3	5.4	4.7	4.2
China: Mainland ²	10.9	11.5	13.1	14.9	17.8	Peru	7.8	3.8	7.4	8.2	12.4
Denmark	4.2	4.1	4.1	3.9	4.1	Philippines	3.9	4.4	4.3	4.1	4.3
Iceland	1.7	1.8	3.4	3.7	3.7	South Korea	5.0	5.3	6.5	6.8	6.8
India	5.2	5.5	6.3	6.2	6.4	Soviet Union	22.0	21.5	23.4	23.2	24.8
Indonesia	4.4	4.9	4.4	5.2	5.8	Spain	3.0	2.9	2.9	3.0	2.9
						Thailand	4.7	5.0	4.7	4.5	4.7

¹ Includes other countries not shown separately. ² Includes data for Taiwan.

Source: U.S. National Oceanic and Atmospheric Administration, Marine Fisheries Service, Fisheries of the United States, annual. Data from Food and Agricultural Organization of the United Nations, Rome, Italy.

No. 1439. MEAT—PRODUCTION, BY COUNTRY: 1980 TO 1986

[In thousands of metric tons, carcass weight. Covers beef and veal (incl. buffalo meat), pork (incl. bacon and ham), and mutton and lamb (incl. goat meat). Refers to meat from animals slaughtered within the national boundaries irrespective of origin of animals, and relates to commercial and farm slaughter. Excludes lard, tallow, and edible offals. See text, section 31, for general comments concerning the data.]





COUNTRY	1985	1986	1986, est.	COUNTRY	1985	1986	1986, est.
World, total	161,894	112,175	114,941	France	3,815	3,878	3,812
United States	17,880	17,674	17,691	Italy	2,300	2,488	2,404
Argentina	3,214	3,104	3,139	Japan	1,883	2,087	2,108
Australia ¹	2,332	2,088	2,232	Mexico	2,014	2,286	2,398
Brazil	3,063	3,021	3,069	Poland	2,387	2,192	2,461
China: Mainland	12,379	17,977	18,538	Soviet Union	12,588	14,023	14,386
				United Kingdom	2,305	2,419	2,329
				West Germany	4,788	4,848	4,883

¹ Year ending June 30.

Source: Statistical Office of the United Nations, New York, NY, Statistical Yearbook (Copyright.)

NO. 1440. FOREIGN TRADE OF SELECTED COUNTRIES—SOURCE OF IMPORTS AND DESTINATION OF EXPORTS: 1987

[In billions of dollars, except percent. All exports are f.o.b. (free on board) and all imports are c.i.f. (cost insurance freight) except for U.S., Australian and Canadian imports, which are f.o.b.]

COUNTRY	Total ¹	O.E.C.D. ²		Soviet Union and Eastern Europe	China, Mainland, Vietnam, North Korea	O.P.E.C. ⁴	Other developing countries ⁵	Africa	America ⁶	Middle East ⁷	Far East ⁸
		 ³	E.E.C. ³								
IMPORTS											
United States	405.9	254.4	81.2	1.9	6.3	24.0	119.4	11.9	46.9	10.8	72.8
Australia	23.9	18.8	5.8	1	3	8	3.9	2	3	7	3.2
Austria	32.6	27.5	22.2	2.2	1	7	2.0	7	4	3	9
Belgium ⁹	83.0	72.4	60.1	1.9	.2	2.3	6.1	3.4	1.4	1.7	1.8
Canada	87.6	78.0	10.2	2	5	1.1	7.7	.8	3.0	4	4.7
Denmark	25.5	22.0	13.3	7	2	4	2.0	.2	.8	3	9
France	157.2	126.8		4.4	1.1	6.9	15.6	8.6	3.6	4.1	5.7
Italy	124.7	93.9	70.5	5.1	1.0	10.2	14.3	9.6	3.3	6.0	3.7
Japan	150.9	70.1	17.9	2.8	7.9	26.9	43.2	4.1	6.3	20.1	39.0
Netherlands	91.1	75.6	58.4	2.3	4	4.9	7.9	2.9	2.2	3.6	3.8
Spain	48.6	36.1	26.7	1.3	3	4.6	6.2	3.6	3.0	2.4	1.7
Sweden	40.7	35.7	23.3	1.7	.2	5	2.6	.2	.8	3	1.6
Switzerland	50.4	45.4	36.4	7	.2	7	3.5	.9	1.1	5	1.5
United Kingdom	153.6	130.2	81.1	2.8	.6	2.5	16.6	3.7	3.0	2.3	9.5
West Germany	227.3	184.6	120.2	8.7	2.0	6.2	26.7	7.4	6.4	2.7	12.1
Percent distribution:											
United States	100.0	62.7	20.0	5	1.6	5.9	29.4	2.9	11.5	2.7	17.9
Australia	100.0	78.6	24.3	3	1.4	3.2	16.1	.9	1.1	2.8	13.5
Austria	100.0	84.5	68.0	6.8	.3	2.1	6.2	2.2	1.4	.6	2.9
Belgium ⁹	100.0	67.2	72.4	2.2	.3	2.7	7.4	4.1	1.7	2.1	2.1
Canada	100.0	69.0	11.6	.3	7	1.3	8.8	.7	3.4	5	5.4
Denmark	100.0		52.2	2.8	1.0	1.6	8.0	.7	3.1	1.3	3.6
France	100.0	80.7	61.0	2.8	.7	4.4	10.1	5.5	2.3	2.6	3.6
Italy	100.0	75.3	56.5	4.1	.8	8.2	11.5	7.7	2.6	4.8	3.0
Japan	100.0	46.4	11.8	1.9	5.2	17.8	28.6	2.7	4.2	13.3	25.9
Netherlands	100.0	83.1		2.5	4	5.3	8.7	3.2	2.4	4.0	4.2
Spain	100.0	74.2	54.6	2.6	5	9.5	12.6	7.4	6.2	4.9	3.4
Sweden	100.0	87.7	57.3	4.1	.5	1.2	6.5	.7	2.0	.6	3.8
Switzerland	100.0	90.0	72.1	1.4	.3	1.4	6.9	1.9	2.2	.9	3.0
United Kingdom	100.0	84.7	52.6	1.8	.4	1.6	11.0	2.4	1.9	1.5	6.2
West Germany	100.0	81.2	52.9	3.8	.9	2.7	11.3	3.3	2.8	1.2	5.3
EXPORTS											
United States	252.9	163.5	80.6	2.2	3.5	11.1	72.5	6.3	35.0	9.5	32.0
Australia	22.5	12.5	3.3	.9	1.1	1.4	5.3	.5	.2	1.2	4.0
Austria	27.1	22.0	17.2	2.4	.2	.8	1.7	.6	.3	.6	.5
Belgium ⁹	82.8	73.0	61.7	1.1	.3	1.6	6.5	2.0	.7	2.3	2.7
Canada	94.4	85.6	7.2	.8	1.1	1.2	5.5	.8	2.4	.6	2.9
Denmark	25.7	22.1	12.4	.4	.2	.5	2.3	.5	.7	.5	.8
France	142.8	112.6	86.3	3.1	.9	6.1	20.0	11.2	4.9	3.7	4.8
Italy	116.1	93.0	65.1	3.6	1.1	5.9	12.0	5.8	2.5	4.4	3.2
Japan	231.3	143.1	38.3	3.3	8.7	11.5	64.7	5.6	8.2	8.0	53.4
Netherlands	92.6	81.7	69.3	1.3	.2	2.2	6.4	2.5	1.2	1.8	2.8
Spain	34.0	27.0	21.7	.5	.3	1.6	4.0	2.0	1.5	1.0	.7
Sweden	44.5	38.6	22.7	.9	.3	.9	3.7	1.0	.8	.8	1.7
Switzerland	45.3	35.6	25.2	1.5	.4	1.9	5.9	1.1	1.4	2.1	2.7
United Kingdom	130.5	102.7	64.6	1.8	.7	7.5	17.0	5.5	2.5	7.5	6.0
West Germany	293.6	249.4	155.1	9.9	2.9	6.0	27.1	7.8	6.3	7.1	10.2
Percent distribution:											
United States	100.0	64.6	24.0	.9	1.4	4.4	28.7	2.5	13.8	3.8	12.7
Australia	100.0	59.8	14.9	3.9	4.9	6.1	23.6	2.4	.9	5.2	17.9
Austria	100.0	81.2	63.4	9.0	.6	2.9	6.3	2.1	1.0	2.1	1.8
Belgium ⁹	100.0	68.1	74.4	1.3	.3	1.8	7.8	2.5	.9	2.7	3.2
Canada	100.0	90.9	7.6	.8	1.2	1.3	5.9	.8	2.5	.7	3.1
Denmark	100.0	66.1	48.4	1.5	.7	2.1	9.0	1.8	2.7	2.1	3.0
France	100.0	78.6	60.4	2.2	.6	4.3	14.0	7.8	3.4	2.6	3.4
Italy	100.0	80.1	56.1	3.1	1.0	5.1	10.3	4.9	2.2	3.8	2.8
Japan	100.0	61.9	16.6	1.4	3.8	5.0	28.0	2.4	3.5	3.5	23.1
Netherlands	100.0	88.2	74.9	1.4	.2	2.4	6.9	2.7	1.3	2.0	2.6
Spain	100.0	79.5	63.6	1.6	.8	4.6	11.8	5.8	4.3	2.9	1.9
Sweden	100.0	87.1	51.0	2.1	.6	2.1	6.2	2.3	1.8	1.9	3.7
Switzerland	100.0	78.7	55.8	3.3	.9	4.2	12.9	2.5	3.2	4.7	6.1
United Kingdom	100.0	78.7	49.5	1.4	.5	5.7	13.0	4.2	2.0	5.8	6.1
West Germany	100.0	83.6	52.8	3.4	1.0	2.7	9.2	2.7	2.1	2.4	3.5

¹ Includes other areas not shown separately. ² Organization for Economic Cooperation and Development. For member countries, see text section 31. ³ European Economic Community comprises Belgium-Luxembourg, Denmark, France, Greece, Ireland, Italy, Netherlands, Portugal, Spain, United Kingdom, and West Germany. ⁴ Organization of Petroleum Exporting Countries. For member countries, see footnote 4 table 1447. ⁵ Comprises trade with all countries other than China, Mainland, North Korea, Vietnam, South Africa, Soviet Union, Eastern Europe, and members of O.P.E.C. and O.E.C.D. ⁶ All countries comprising the continent except Canada and the United States. ⁷ Comprises Syria, Lebanon, Israel, Gaza Strip, Jordan, Iraq, Saudi Arabia, Yemen (Aden), Yemen (Sanaa), Kuwait, Bahrain, United Arab Emirates, Qatar, Oman, and Iran. ⁸ All countries comprising the continent of Asia except Japan, China, Mainland, North Korea, Vietnam, and those countries listed under Middle East. ⁹ Includes Luxembourg.

Source: Organization for Economic Cooperation and Development, Paris, France. Data derived from *Monthly Statistics of Foreign Trade*, series A, July 1988.

No. 1441. RESERVE ASSETS AND INTERNATIONAL TRANSACTION BALANCES: 1960 TO 1967

[In millions of U.S. dollars. Assets include holdings of convertible foreign currencies, special drawing rights, and reserve position in International Monetary Fund and exclude gold holdings. Minus sign (-) indicates debts.]

COUNTRY	TOTAL RESERVE ASSETS				CURRENT ACCOUNT BALANCE			MERCHANDISE TRADE BALANCE		
	1960	1965	1967		1960	1965	1967	1960	1965	1967
			Total	Currency holdings ¹						
United States	15,600	32,100	34,720	13,090	1,640	-116,430	-163,960	-25,500	-122,150	-160,280
Algeria	3,773	2,819	1,640	1,286	249	1,015	(NA)	4,056	4,223	177
Argentina	6,719	3,273	1,617	1,617	-4,774	952	4,295	1,373	4,876	1,000
Australia	1,090	5,768	8,744	8,107	4,248	-8,717	-8,676	1,369	-1,294	-512
Austria	5,280	4,767	7,532	8,772	1,725	-273	-203	-6,617	-4,406	4,471
Bangladesh	300	337	843	758	-757	540		1,900	1,297	-1,361
Belgium	7,823	4,649	9,620	8,363	-4,945	969	2,920	5,164	-472	-156
Brazil	5,769	10,005	6,299	6,299	-12,606	-273	(NA)	-2,623	12,466	(NA)
Burma	261	34	27	27	347	206	(NA)	-360	-202	(NA)
Cameroun	189	132	64	-63	-440	-584	(NA)	36	516	(NA)
Canada	3,041	2,503	7,277	6,218	-967	-1,426	-7,975	8,001	12,580	8,759
Chile	3,123	2,450	2,504	2,463	1,971	1,329	-611	-784	860	1,230
China, Mainland	2,545	12,728	16,305	15,236	(NA)	-11,417	(NA)	(NA)	13,123	(NA)
Colombia	4,631	1,595	3,066	2,924	-206	-1,809	256	297	-23	1,826
Denmark	3,367	5,429	10,066	9,567	-2,466	-2,729	-2,975	-2,023	-771	812
Ecuador	1,013	718	491	490	-642	149	1,186	279	1,294	37
Egypt	1,046	792	1,378	1,378	-436	2,245	(NA)	2,960	4,503	(NA)
Finland	1,670	3,750	6,419	5,989	1,409	766	-1,649	-666	676	1,323
France	27,340	26,589	33,049	29,634	4,209	35	5,081	-13,419	-5,276	-9,820
Ghana	180	479	195	179	29	134	87	186	-36	-125
Greece	1,346	668	2,681	2,582	-2,209	-3,276	-1,299	5,567	-5,063	5,498
Hungary	2,090	3,119	2,272	2,272	-577	-52	-580	-143	610	166
India	6,944	6,420	6,454	5,803	1,765	4,214	(NA)	-5,644	-5,616	(NA)
Indonesia	5,392	4,974	5,592	5,463	2,664	1,923	1,676	9,170	5,622	4,969
Ireland	2,960	2,940	4,796	4,431	2,132	666	400	-2,222	635	2,615
Israel	3,351	3,680	5,876	5,876	746	1,163		-3,160	-2,415	-3,806
Italy	28,126	15,595	30,214	27,819	9,601	3,540	1,076	16,667	-6,063	95
Ivory Coast	20	6	9	9	-1,827	64	(NA)	369	1,361	1,142
Japan	24,636	26,719	80,973	75,667	10,750	49,170	87,000	2,130	56,990	96,460
Kenya	492	391	256	222	667	80	(NA)	-1,063	-339	(NA)
Kuwait	3,829	5,471	4,142	3,394	15,302	4,615	4,414	13,677	4,712	3,545
Libya	13,091	5,904	5,635	5,212	5,214	2,063	(NA)	11,551	4,646	
Malaysia	4,367	4,912	7,435	7,055	265	-694	2,336	2,406	2,577	5,825
Mexico	2,900	4,006	12,484	11,758	-8,162	1,237	3,684	2,830	8,461	8,433
Morocco	396	115	411	407	-1,420	891	(NA)	1,365	-1,369	(NA)
Nepal	163	56	176	170	-39	122	123	-220	-263	-360
Netherlands	11,645	10,762	16,003	14,174	1,042	4,031	3,389	-1,415	5,462	5,237
Nigeria	10,236	1,667	1,166	1,166	5,104	1,265	(NA)	11,106	4,353	(NA)
Norway	6,046	13,917	14,277	13,128	1,086	3,051	4,137	1,866	4,729	-889
Pakistan	498	607	802	486	-821	1,080	554	-2,876	-3,230	-2,310
Peru	1,960	1,827	595	595	62	123	(NA)	837	1,172	(NA)
Philippines	2,646	615	968	913	-1,917	18	539	1,639	462	1,017
Poland	128	670	1,496	1,495	-3,417	-991	372	1,776	347	790
Portugal	795	1,395	3,327	3,205	1,064	410	640	4,029	-1,457	-3,375
Romania	323	189	(NA)	(NA)	-2,269	1,239	(NA)	1,534	1,735	(NA)
Saudi Arabia	23,437	25,004	22,664	10,786	42,754	-12,832	9,570	75,165	7,029	9,340
Singapore	6,567	12,647	15,227	15,000	-1,507	-4	539	-4,200	-2,829	-2,540
South Africa	726	315	641	636	3,506	2,622	3,002	7,430	5,642	7,163
South Korea	2,825	2,669	3,564	3,566	-5,321	667	9,654	4,364	-19	7,859
Spain	11,663	11,175	30,669	29,267	5,173		(NA)	11,726	-4,171	(NA)
Sri Lanka	246	451	279	279	-667	419	344	784	523	-472
Sudan	40	12	12	12	-320	152	-249	-436	-136	-445
Sweden	3,416	5,793	8,174	7,486	4,404	1,309	-873	2,198	2,365	4,666
Switzerland	16,666	18,016	27,476	27,162	1,544	6,039	(NA)	5,891	1,561	(NA)
Syria	337	65	(NA)	(NA)	251	962	(NA)	1,866	-1,951	(NA)
Thailand	1,560		4,007	3,906	2,070	1,537	529	-1,902	-1,332	366
Trinidad and Tobago	2,781	1,129	188	113	335	90	269	753	756	355
Turkey	1,077	1,056	1,589	1,543	3,409	1,030		-4,603	-2,975	-3,234
United Kingdom	20,660	12,660	41,720	38,660	7,063	4,648	2,664	3,362	2,458	-15,600
Venezuela	6,604	10,251	5,963	4,535	4,720	3,066	317	6,174	8,790	2,057
West Germany	48,592	44,380	76,756	72,693	16,900	17,030	45,230	6,660	29,540	70,160
Yugoslavia	1,364	1,095	698	698	-2,316	833	(NA)	4,699	-589	(NA)
Zaire	204	190	181	181	-164	-216	(NA)	568	686	(NA)

NA: Not available. ¹ Holdings of convertible foreign currencies. ² Estimated.

Source: International Monetary Fund, Washington, DC, *International Financial Statistics*, monthly with annual supplements.

NO. 1442. FOREIGN EXCHANGE RATES: 1970 TO 1986

[National currency units per dollar, except as noted. Except as indicated, data are annual averages of certified noon buying rates for cable transfers]

YEAR	Australia ¹ (dollar)	Austria (schilling)	Belgium (franc)	Canada (dollar)	China: Taiwan (dollar)	Denmark (krone)	France (franc)	Germany (mark)	Hong Kong (dollar)
1970	111.38	25.880	49.880	1.0103	40.050	7.4880	5.5200	30.00	6.0800
1975	130.77	17.443	36.798	1.0175	38.000	5.7481	4.2876	32.29	4.8380
1976	122.15	17.956	36.808	.8883	38.000	6.0480	4.7924	36.52	4.8040
1977	110.62	16.545	35.846	1.0833	38.000	6.0048	4.9180	36.84	4.8620
1978	114.41	14.525	31.493	1.1405	37.054	5.5162	4.8090	36.75	4.8850
1979	111.77	13.387	29.342	1.1603	38.048	5.2622	4.2588	37.04	5.0030
1980	114.00	12.846	29.237	1.1693	38.015	5.6345	4.2250	42.62	4.9780
1981	114.85	15.646	37.194	1.1880	36.849	7.1350	5.4386	55.41	5.6878
1982	101.86	17.080	45.780	1.2344	38.124	6.3443	6.5783	68.87	6.0887
1983	80.14	17.988	51.121	1.2325	40.086	9.1483	7.8303	87.80	7.2588
1984	87.84	20.006	57.748	1.2653	39.633	10.3540	8.7365	112.73	7.8186
1985	70.03	20.676	60.336	1.3658	39.808	10.6980	6.9799	138.40	7.7811
1986	67.08	15.280	44.862	1.3888	37.837	6.0854	6.9256	139.93	7.8037
1987	70.14	12.849	37.367	1.3258	31.756	6.8477	6.0121	135.47	7.7885
1988, June	75.80	12.087	35.867	1.3410	28.685	6.5780	5.8130	137.88	7.8080
	India (rupee)	Ireland ¹ (pound)	Italy (lire)	Japan (yen)	Malaysia (ringgit)	Nether- lands (guilder)	New Zealand ¹ (dollar)	Norway (krone)	Portugal (escudo)
1970	7.578	238.58	823.00	367.80	3.0800	3.5870	111.46	7.1400	28.75
1975	8.408	222.16	853.08	298.78	2.4030	2.5293	121.16	5.2282	25.51
1976	8.971	190.48	833.55	298.45	2.5421	2.6448	98.12	5.4588	30.24
1977	8.788	174.48	882.78	288.82	2.4625	2.4547	98.88	5.3239	38.34
1978	8.188	181.84	849.12	210.38	2.3188	2.1842	103.84	5.2485	44.03
1979	8.186	204.85	831.10	219.02	2.1721	2.0072	102.23	5.0850	48.95
1980	7.887	205.77	866.20	238.83	2.1767	1.8875	97.34	4.9381	50.08
1981	8.881	181.32	1,136.80	238.83	2.3048	2.4888	88.85	5.7430	61.74
1982	9.485	142.05	1,354.00	248.08	2.3385	2.6719	75.10	6.4587	60.10
1983	10.104	124.61	1,519.30	237.55	2.3204	2.8543	68.79	7.3012	111.81
1984	11.348	103.84	1,758.10	237.45	2.3448	3.2083	67.84	8.1586	147.70
1985	12.332	108.82	1,808.80	238.47	2.4806	3.3184	49.75	8.5833	172.07
1986	12.587	134.14	1,481.18	188.35	2.5830	2.4484	52.48	7.3884	149.80
1987	12.843	148.79	1,297.03	144.80	2.5185	2.0283	58.33	8.7406	141.20
1988, June	13.372	155.88	1,272.50	127.88	2.5823	1.8320	67.19	8.3883	140.58
	Singapore (dollar)	South Africa ¹ (rand)	South Korea (won)	Spain (peseta)	Sweden (krone)	Switzer- land (franc)	Thailand (baht)	United King- dom ¹ (pound)	West Germany (deutsche mark)
1970	3.0800	139.24	310.57	66.72	5.1700	4.3180	21.000	239.58	3.6480
1975	2.3713	138.47	484.00	87.33	4.1580	2.8838	20.379	222.16	2.4813
1976	2.4708	114.38	484.00	80.88	4.3579	2.5001	20.400	180.48	2.5184
1977	2.4384	114.89	484.00	75.88	4.4801	2.4084	20.400	174.49	2.3238
1978	2.2740	115.01	484.00	76.72	4.5208	1.7908	20.300	181.84	2.0088
1979	2.1748	118.72	484.00	67.18	4.2882	1.8643	20.418	212.24	1.8342
1980	2.1412	128.54	607.43	71.76	4.2308	1.6772	20.476	232.43	1.6175
1981	2.1053	114.77	881.03	82.40	5.0659	1.8674	21.731	202.43	2.2831
1982	2.1408	92.30	731.93	110.08	6.2838	2.0327	23.014	174.80	2.4280
1983	2.1138	89.85	776.04	143.60	7.8717	2.1088	22.981	151.88	2.5539
1984	2.1325	88.53	807.91	180.78	8.2708	2.3800	23.582	133.88	2.8484
1985	2.2008	48.57	881.88	188.98	6.8031	2.4561	27.183	129.74	2.9419
1986	2.1782	43.95	864.81	140.04	7.1272	1.7979	26.314	146.77	2.1704
1987	2.1089	49.08	825.89	123.54	8.3488	1.4818	25.774	183.98	1.7881
1988, June	2.0217	34.03	751.51	114.82	8.0454	1.4217	25.284	180.11	1.7191

¹ Value is U.S. cents per unit of foreign currency.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

NO. 1443. EXCHANGE RATES—INDEXES OF VALUE OF FOREIGN CURRENCY RELATIVE TO U.S. DOLLAR: 1970 TO 1987

[1977 = 100]

YEAR	United States	Canada	Japan	Bel- gium	Den- mark	France	Italy	Neth- erlands	Nor- way	Sweden	United King- dom	West Germa- ny
1970	100.0	101.8	74.8	72.2	80.0	88.8	140.8	87.8	74.5	100.0	137.3	83.7
1975	100.0	104.4	90.3	97.8	104.7	114.8	135.3	87.3	102.1	107.8	127.3	94.5
1976	100.0	107.8	90.4	92.9	98.3	102.8	106.3	92.9	97.5	102.6	103.4	92.2
1977	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1978	100.0	93.2	128.5	114.0	108.0	109.2	104.0	113.8	101.5	100.0	108.9	115.8
1979	100.0	90.7	122.7	122.2	114.1	115.5	106.2	122.3	105.1	104.2	121.6	126.7
1980	100.0	90.9	118.7	122.7	106.7	116.5	103.2	123.8	107.8	105.6	133.3	127.9
1981	100.0	88.6	121.4	98.8	84.1	90.4	77.5	98.6	92.7	88.2	116.0	103.0
1982	100.0	88.1	107.5	78.3	71.9	74.7	85.2	81.8	82.4	71.1	100.2	95.6
1983	100.0	88.2	112.7	70.1	85.6	84.5	58.1	88.0	72.8	68.2	88.9	80.9
1984	100.0	82.0	112.8	62.0	88.0	88.3	60.2	78.3	65.2	64.0	78.6	81.8
1985	100.0	77.8	112.3	60.4	88.6	84.7	48.2	73.8	61.8	61.8	74.4	78.9
1986	100.0	78.5	159.1	85.2	74.2	71.0	88.2	100.2	71.8	88.7	84.1	107.0
1987	100.0	80.1	185.2	95.8	87.7	81.8	88.1	121.1	79.0	78.4	84.0	128.1

Source: U.S. Bureau of Labor Statistics, News Release UDL: 88-228, "International Comparisons of Manufacturing Production and Labor Cost Trends", July 8, 1988.

No. 1444. CENTRAL BANK DISCOUNT RATES, MONEY MARKET RATES, AND GOVERNMENT BOND YIELDS—SELECTED COUNTRIES: 1960 TO 1966

[In percent per annum. Central bank discount rates refer to the rate at which the monetary authority lends or discounts eligible paper for deposit money banks. Money market rates refer to the rate at which short-term borrowings are effected between financial institutions. Government bond yields refer to one or more series representing average yields to maturity of government bonds or other bonds that would be indicative of longer term rates]

NATIONAL INTEREST RATE AND YEAR	United States	Canada	Japan	France	Italy	Netherlands	Sweden	Switzerland	United Kingdom	West Germany
Central bank discount rates: ¹										
1960.....	13.00	17.26	7.25	9.60	16.50	8.00	10.00	3.00	14.00	7.50
1963.....	6.50	10.04	5.00	9.50	17.00	5.00	8.50	4.00	(²)	4.00
1964.....	5.00	10.16	5.00	9.50	18.50	5.00	9.50	4.00	(²)	4.50
1965.....	7.50	9.49	5.00	9.50	15.00	5.00	10.50	4.00	(²)	4.50
1966.....	5.50	8.49	3.00	9.50	12.00	4.50	7.50	4.00	(²)	3.50
1967.....	8.00	8.66	2.50	9.50	12.00	3.75	7.50	2.50	(²)	2.50
1966, June.....	(NA)	9.44	2.50	9.60	12.00	3.25	6.50	2.50	(²)	2.50
Money market rates: ³										
1960.....	13.36	13.26	(NA)	11.85	17.17	10.13	12.17	2.29	15.62	9.10
1963.....	9.09	9.62	6.39	12.53	16.44	5.28	10.65	1.84	9.09	5.36
1964.....	10.23	10.91	6.10	11.74	17.27	5.78	11.77	3.34	7.62	5.55
1965.....	6.10	9.57	6.46	9.93	15.26	6.30	13.65	3.75	10.78	5.19
1966.....	6.81	9.30	4.79	7.74	13.41	5.63	10.15	3.17	10.66	4.60
1967.....	8.66	8.03	3.51	7.99	11.51	5.16	9.16	2.51	9.66	3.70
1966, June.....	7.51	9.20	3.42	7.11	11.14	4.18	10.55	2.41	8.95	3.70
Government bond yields:										
1960.....	11.46	12.48	9.22	13.03	16.11	10.21	11.74	4.77	13.78	8.50
1963.....	11.11	11.78	7.42	13.63	16.02	8.61	12.30	4.52	10.81	7.89
1964.....	12.52	12.75	6.81	12.54	14.95	8.33	12.29	4.70	10.69	7.79
1965.....	10.62	11.04	6.34	10.94	13.00	7.34	13.09	4.78	10.62	6.87
1966.....	7.85	9.52	4.94	8.44	10.52	6.35	10.26	4.29	9.87	5.90
1967.....	8.38	8.95	4.21	9.43	9.65	8.33	(NA)	4.12	9.46	5.90
1966, June.....	(NA)	10.13	4.47	8.94	10.12	6.30	(NA)	4.14	9.32	6.10

NA Not available. ¹ End of period. ² Minimum lending rate suspended as of August 20, 1951. ³ Period averages.

Source: International Monetary Fund, Washington, DC, *International Financial Statistics*, monthly.

No. 1445. EXTERNAL DEBT OF SOVIET UNION AND EASTERN EUROPEAN COUNTRIES: 1975 TO 1967

[In billions of dollars. Net debt represents gross debt minus assets held with Western commercial banks]

TYPE AND SOURCE	1975	1966	1961	1962	1966	1964	1966	1966	1967
Gross debt, total.....	42.2	164.2	165.6	162.7	162.6	162.6	117.3	136.6	165.6
Soviet Union: Gross debt.....	12.5	20.5	20.0	21.9	22.0	22.3	29.0	36.2	41.2
Commercial debt.....	8.2	11.0	12.6	12.6	12.6	13.2	19.5	25.6	29.7
Official debt.....	4.3	9.5	7.4	9.1	9.4	9.1	9.5	10.6	12.5
Net debt.....	6.7	10.5	10.8	10.0	9.6	10.6	15.7	21.2	29.2
Bulgaria: Gross debt.....	2.6	3.6	3.1	2.8	2.4	2.2	3.6	4.3	6.1
Commercial debt.....	2.5	3.2	2.7	2.8	1.9	1.8	3.1	4.2	5.9
Official debt.....	.2	.3	.4	.5	.5	.5	.8	.7	.9
Net debt.....	2.3	2.7	2.2	1.8	1.2	.8	1.5	3.6	5.0
Czechoslovakia: Gross debt.....	1.1	4.9	4.5	4.0	4.0	3.6	3.6	4.5	5.8
Commercial debt.....	.9	4.1	3.7	3.1	2.9	2.8	2.8	3.4	4.5
Official debt.....	.2	.9	.8	.9	1.1	1.0	1.0	1.1	1.3
Net debt.....	.8	3.7	3.4	3.3	3.0	2.6	2.6	3.6	4.2
East Germany: Gross debt.....	5.4	14.1	14.9	13.2	13.1	12.4	14.0	17.0	20.4
Commercial debt.....	4.4	11.3	11.6	8.6	9.1	8.2	10.1	13.1	16.6
Official debt.....	1.0	2.8	3.3	3.6	3.9	4.2	3.9	3.6	3.9
Net debt.....	3.7	11.6	12.3	11.2	9.7	7.6	7.6	9.6	11.4
Hungary: Gross debt.....	3.1	9.1	6.7	7.7	6.2	6.6	11.6	15.1	17.7
Commercial debt.....	3.1	8.9	6.3	7.0	6.9	7.0	9.8	12.7	15.2
Official debt.....	.1	.3	.4	.5	.7	.8	.8	.8	1.0
BIS/IMF ¹	-	-	-	.2	.8	1.1	1.2	1.5	1.6
Net debt.....	2.2	7.0	7.1	6.8	6.8	6.7	6.8	12.0	15.6
Poland: Gross debt.....	8.0	25.0	25.5	24.6	26.4	26.6	29.3	33.5	39.2
Commercial debt.....	5.9	14.9	14.2	13.6	10.9	9.4	10.6	12.1	12.2
Official debt.....	2.1	10.1	11.3	11.2	15.5	17.4	19.7	21.4	27.0
Net debt.....	7.4	24.4	24.7	23.8	25.2	25.3	27.7	31.9	36.2
Romania: Gross debt.....	2.9	9.4	10.2	9.6	8.6	7.1	6.8	6.0	4.9
Commercial debt.....	2.0	6.5	6.2	5.4	4.6	3.4	2.9	2.7	1.7
Official debt.....	.7	1.7	1.8	1.4	.9	1.1	1.1	1.1	.6
IMF/World Bank/CEMA bank ¹.....	.2	1.2	2.1	2.9	3.1	2.8	2.8	2.2	2.4
Net debt.....	2.4	9.1	8.8	9.3	8.2	6.4	6.4	5.4	4.3
Yugoslavia: Gross debt.....	6.8	17.6	18.3	18.5	19.0	16.6	19.2	19.4	20.5
Commercial debt.....	4.3	12.8	12.2	11.9	10.3	9.0	7.6	7.4	8.1
Official debt.....	1.6	2.8	3.2	3.1	4.6	5.8	7.1	7.7	6.5
IMF/World Bank ¹.....	.7	2.1	2.9	3.5	4.1	4.1	4.3	4.2	4.9
Net debt.....	5.8	18.2	18.6	17.7	19.1	17.7	16.1	17.9	19.8

- Represents zero. ¹ BIS—Bank of International Settlements. IMF—International Monetary Fund. CEMA—Council for Economic Mutual Assistance.

Source: U.S. Central Intelligence Agency, *Handbook of Economic Statistics, 1969*; and unpublished data.

**NO. 1448. TOTAL EXTERNAL PUBLIC DEBT, 1980 TO 1986, AND BY TYPE OF CREDITOR, 1986, AND
DEBT SERVICE PAYMENTS AND RATIO, 1980 TO 1986**

[External public debt is defined as debt repayable to external creditors in foreign currency, goods, or services, with an original or extended maturity of more than one year which is a direct obligation of, or has repayment guaranteed by, a public body in the borrowing country. Excludes undischarged debt (amounts not yet drawn by recipient) and unguaranteed private debt, which for some countries is substantial. Debt contracted for the purchase of military equipment is not usually reported. Debt service payments represent the sum of interest payments and repayments of principal on external public debt.]

COUNTRY	TOTAL EXTERNAL PUBLIC DEBT (mil. dol.)							DEBT SERVICE PAYMENTS (mil. dol.)			DEBT SERVICE RATIO ² (percent)		
	1980	1984	1986	1986				1980	1986	1988	1980	1986	1988
				Total ¹	Bilateral official	Banks ³	International organizations						
Algeria	16,380	12,138	13,718	14,927	2,447	8,331	712	3,854	4,552	5,160	26.6	33.1	51.5
Argentina ⁴	10,181	28,700	35,708	36,674	2,308	24,170	2,642	1,987	4,322	4,640	17.7	41.9	50.7
Bangladesh	3,549	5,147	5,999	7,291	3,647	58	3,544	78	220	271	7.6	17.6	25.1
Bolivia	2,229	3,102	3,189	3,562	1,366	1,020	1,020	290	241	162	27.6	32.7	23.6
Brazil	40,186	69,699	74,272	84,067	10,302	59,186	9,972	8,050	7,293	8,519	34.6	24.9	33.7
Burma ⁵	1,452	2,250	2,952	3,665	2,475	200	850	112	196	247	20.1	48.3	55.4
Cameroon	2,049	1,702	1,987	2,339	1,032	316	867	166	240	301	8.9	8.4	11.3
Chile	4,740	10,822	12,980	15,285	679	11,957	2,294	1,375	1,229	1,625	21.9	26.3	30.9
China, Mainland	4,781	6,696	10,216	17,403	5,000	5,610	2,169	1,104	2,089	2,382	5.4	7.0	7.9
Colombia	4,084	7,730	9,529	12,148	2,237	4,640	4,561	529	1,409	1,832	9.0	30.5	28.2
Congo	1,427	1,851	2,436	2,875	971	1,441	305	91	401	311	8.8	33.7	43.5
Costa Rica	1,662	3,258	3,603	3,678	862	1,442	825	205	448	384	16.6	35.2	26.7
Dominican Republic	1,191	2,347	2,523	2,638	1,200	744	653	154	218	294	11.7	18.2	20.7
Ecuador	3,300	6,704	7,080	7,967	979	5,274	1,405	559	886	849	18.9	27.0	32.4
Egypt	13,885	19,111	21,323	23,040	12,636	1,048	4,597	1,462	2,089	1,748	17.6	23.2	21.4
El Salvador	527	1,371	1,467	1,489	691	101	688	42	106	182	3.3	20.5	18.0
Ethiopia	701	1,402	1,756	2,013	1,021	137	717	34	106	179	5.8	18.3	21.8
Ghana	1,099	1,090	1,171	1,434	573	4	791	94	82	87	7.7	12.1	10.7
Greece	4,766	9,427	12,481	15,059	667	10,819	2,952	815	1,756	2,176	10.9	24.7	27.7
Guatemala	549	1,947	2,136	2,243	697	254	821	45	256	282	2.4	21.4	23.4
Guinea	1,032	1,177	1,313	1,449	917	148	331	95	67	106	(NA)	(NA)	(NA)
Honduras	969	1,611	2,196	2,445	686	434	1,252	96	186	182	10.1	17.7	18.7
Hungary	6,409	7,381	10,183	13,659	679	10,227	656	1,417	2,584	3,944	13.6	24.7	35.9
India ⁶	17,733	23,226	28,086	32,721	12,621	4,020	14,885	1,079	1,788	2,719	8.8	13.4	18.3
Indonesia	14,971	22,354	26,866	32,982	11,765	6,962	6,976	1,758	3,992	4,451	7.9	19.8	29.4
Israel	11,500	15,752	15,846	15,846	11,382	1,185	84	1,392	2,110	2,181	14.2	19.6	18.9
Ivory Coast	4,326	4,969	5,821	6,764	1,666	3,292	1,573	674	644	791	24.0	20.3	21.4
Jamaica	1,423	2,531	2,944	3,114	1,678	422	806	206	397	435	14.5	31.4	32.0
Jordan	1,279	2,471	2,738	3,132	1,587	838	552	133	472	542	7.6	23.0	28.8
Kenya	2,214	2,533	2,918	3,649	1,347	527	1,662	251	394	431	12.2	26.0	22.6
Madagascar	955	1,885	2,255	2,640	1,626	288	651	58	106	113	11.1	29.9	(NA)
Malaysia	3,946	13,204	15,119	16,941	2,509	6,482	1,363	377	4,420	2,243	2.5	24.9	13.6
Mauritania	734	1,190	1,358	1,651	1,082	59	418	30	78	77	11.1	18.9	16.9
Mexico	33,987	69,699	72,479	76,110	3,665	60,337	6,177	7,901	10,960	8,608	32.1	36.8	37.1
Morocco	7,354	10,479	12,896	14,978	7,434	4,458	2,781	1,175	959	1,449	35.9	30.3	41.0
Nicaragua	1,662	3,985	4,774	5,364	3,226	1,310	813	82	42	32	16.0	10.6	13.0
Nigeria	4,236	11,524	13,130	21,919	6,823	11,517	2,183	504	3,997	1,625	1.8	30.8	23.0
Oman	440	1,340	1,932	2,513	297	1,992	127	197	257	397	5.1	4.8	11.4
Pakistan	6,785	9,966	10,781	11,897	7,573	601	3,531	593	1,064	1,073	19.7	31.2	27.0
Panama	2,271	3,166	3,340	3,530	371	1,836	950	486	410	470	6.0	6.5	7.6
Papua New Guinea	510	978	1,056	1,158	152	514	410	61	131	149	5.8	12.6	12.4
Paraguay	633	1,253	1,536	1,622	589	530	671	60	156	200	11.6	13.2	19.4
Peru	6,167	9,499	10,487	11,237	3,402	3,834	1,863	1,501	582	498	31.1	14.3	14.7
Philippines	6,523	11,269	13,688	20,476	4,196	10,828	4,265	579	1,242	1,582	7.2	15.7	18.4
Portugal	6,703	10,776	12,897	14,047	646	9,753	1,539	1,041	2,722	3,162	15.2	34.3	31.7
Romania	7,131	6,013	5,805	5,683	1,112	2,650	1,836	1,156	1,756	1,626	9.5	13.5	12.1
Senegal	956	1,529	1,962	2,473	1,435	262	754	179	98	209	20.1	10.9	(NA)
Singapore	1,320	1,600	1,799	2,136	200	1,340	136	263	723	425	1.0	2.4	1.4
Somalia	712	1,281	1,329	1,415	745	68	602	9	46	72	4.3	38.4	44.4
South Korea	16,203	24,459	29,086	30,026	6,062	13,439	5,313	2,762	5,120	7,042	12.2	15.5	16.6
Sri Lanka	1,345	2,406	2,668	3,466	1,996	600	906	84	230	278	6.3	14.1	(NA)
Sudan	3,793	6,174	6,681	7,074	4,997	918	1,158	104	91	54	12.6	11.2	7.5
Syria	2,107	2,327	2,724	3,134	2,300	55	672	297	295	297	11.6	12.1	15.6
Tanzania	2,042	2,857	3,084	3,702	2,112	184	1,206	75	59	70	10.5	15.1	15.3
Thailand	4,070	7,268	9,927	11,612	1,303	3,396	3,860	432	1,486	1,958	5.0	14.6	16.6
Trinidad and Tobago	623	910	1,090	1,184	150	771	46	216	183	229	6.4	7.0	15.8
Tunisia	3,224	3,674	4,401	5,147	2,475	1,257	1,116	427	671	806	12.7	24.7	29.4
Turkey	14,933	16,528	19,523	24,250	8,412	8,108	6,635	1,042	3,651	3,423	26.4	32.1	31.6
Uruguay	1,127	2,528	2,686	2,805	152	1,674	384	196	403	336	12.4	30.4	21.1
Venezuela	10,694	18,117	17,125	24,493	54	22,781	77	2,950	2,366	3,107	13.3	14.0	26.6
Yemen (Aden)	499	1,041	1,443	1,927	1,543	-	384	14	112	99	7.7	46.9	44.5
Yemen (Sanaa)	900	1,689	1,871	2,052	1,459	76	515	21	74	99	6.1	33.0	44.9
Yugoslavia ⁷	4,561	6,259	11,717	13,793	2,677	7,959	2,860	616	1,373	2,009	4.5	9.5	11.5
Zaire	4,266	4,224	4,824	5,440	3,674	629	837	366	340	371	16.7	16.9	18.2
Zambia	2,167	2,700	3,160	3,656	2,114	345	959	289	92	127	17.8	11.0	7.8
Zimbabwe	697	1,392	1,560	1,776	466	725	384	44	307	338	2.6	21.2	19.9

- Represents zero. NA Not available. ¹ Includes other types of creditors, not shown separately. ² Includes other private financial institutions. ³ Debt service payments as percent of exports. ⁴ The increase in debt outstanding from 1980 to 1984 includes the refinancing of short-term private debt by public debt, which matured in 1985-87. ⁵ Fiscal year basis. ⁶ The bulk of the debt of Yugoslavian enterprises is reported as nonguaranteed.

Source: The World Bank, Washington, DC, *World Debt Tables*, periodic.

NO. 1447. NET FLOW OF FINANCIAL RESOURCES TO DEVELOPING COUNTRIES, BY ORIGIN AND TYPE OF RESOURCE: 1970 TO 1987

[In billions of U.S. dollars. Net flow covers loans, grants, and grant-like flows minus amortization on loans. Military flows are excluded. Developing countries cover countries designated by Development Assistance Committee as developing. The DAC list differs from the UN list (see table 1403) by the inclusion of Greece, Malta, Portugal, Spain (through 1981), and Yugoslavia, and the exclusion of South Africa. Official development assistance covers all flows to developing countries and multilateral institutions provided by official agencies, including State and local governments, or by their executive agencies, which are administered with the promotion of economic development and welfare of developing countries as their main objective and whose financial terms are intended to be concessional in character with grant element of at least 25 percent. Other official flows cover export credits and portfolio investment from the official sector]

ORIGIN AND TYPE OF RESOURCE	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987, est.
Development Assistance Committee countries ¹	15.9	44.8	75.4	81.4	84.2	88.8	79.1	45.2	75.8	70.0
Official development assistance	8.8	13.8	27.3	25.5	27.7	27.6	26.7	29.4	36.7	41.5
Bilateral grants ²	3.3	6.3	14.1	13.2	13.4	14.2	15.5	17.8	21.1	23.4
Bilateral loans	2.4	3.5	4.0	5.0	5.0	4.4	4.2	4.1	5.2	6.6
Multilateral contributions ³	1.3	4.0	9.2	7.3	9.3	9.0	9.0	7.5	10.4	11.6
Other official flows	1.1	3.9	5.3	6.6	7.4	4.9	6.2	3.4	2.1	2.0
Private flows at market terms	7.0	25.7	40.4	57.2	46.6	35.0	41.6	9.4	33.4	23.1
Direct investment	3.7	10.3	10.1	15.4	10.4	7.8	10.9	8.9	10.9	20.1
Private export credits	2.2	3.5	11.5	10.5	7.3	5.3	3.5	.8	-1.6	(na)
Portfolio investment	1.2	11.9	18.7	31.3	28.8	22.2	27.2	2.1	24.1	(na)
Private voluntary agencies	.9	1.3	2.4	2.0	2.3	2.3	2.6	2.9	3.3	3.3
Organization of Petroleum Exporting Countries ⁴	.8	8.8	10.8	10.8	7.7	5.9	3.7	4.1	3.8	(na)
Official development assistance	.4	6.2	8.7	8.3	5.8	5.0	4.6	3.6	4.7	3.3
Other official flows	.2	2.6	1.1	2.5	1.9	.9	.9	.5	-.9	(na)
Centrally-planned economies: ⁵										
Official development assistance	1.0	1.5	2.6	3.1	3.1	3.5	3.4	3.8	4.5	4.9
Total net flow to developing countries, by DAC country ¹	15.9	44.8	75.4	81.4	84.2	88.8	79.1	45.2	75.8	70.0
United States	8.4	17.7	13.9	28.4	30.2	23.0	28.6	1.8	18.2	13.2
Official development assistance	3.2	4.2	7.1	5.8	6.2	8.1	8.7	9.4	9.8	8.9
Bilateral grants ²	1.4	1.7	3.0	3.2	3.8	4.5	5.6	7.3	7.0	6.7
Bilateral loans	1.3	1.2	1.4	1.2	1.1	1.0	.8	.8	.8	.3
Multilateral contributions ³	.5	1.2	2.6	1.8	3.3	2.5	2.3	1.2	2.0	1.8
Other official flows	.1	.9	1.1	.9	1.8	(2)	1.0	.2	.8	-1.8
Private flows at market terms	2.5	11.8	4.3	18.7	19.1	13.6	17.4	-9.3	7.5	4.4
Direct investment	1.9	7.2	3.4	6.5	5.5	2.3	4.4	.9	3.1	8.0
Private export credits and portfolio investment	.8	4.6	.9	12.2	13.6	11.2	13.0	-10.2	4.4	-3.6
Private voluntary agencies	.8	.8	1.3	1.0	1.3	1.3	1.6	1.5	1.8	1.8
Australia	.4	.8	.9	.8	1.2	1.0	1.5	1.2	1.1	1.1
Austria	.1	.2	.3	.3	.1	.1	.1	.2	.1	.2
Belgium	.3	.9	2.9	2.8	.7	.8	3.5	1.3	.8	-.3
Canada	.5	2.0	3.2	6.8	1.8	2.8	2.8	1.7	1.6	2.4
Denmark	.1	.8	.8	.8	.8	1.1	.6	.4	.5	.9
Finland	(2)	.1	.2	.2	.2	.2	.3	.3	.4	.6
France	1.8	3.9	11.6	11.5	13.6	9.3	8.9	8.7	9.2	11.8
Ireland	(na)	(2)	(2)	(2)	(2)	(2)	.1	.1	.1	.1
Italy	.7	1.6	4.0	3.7	6.0	3.1	2.3	2.2	2.6	2.0
Japan	1.8	2.9	6.8	12.2	8.9	7.9	11.7	11.6	21.5	22.5
Netherlands	.4	1.3	2.4	2.2	2.5	2.2	2.0	2.8	2.8	3.3
New Zealand	(2)	.1	.1	.1	.1	.1	.1	.1	.1	.1
Norway	.1	.5	.9	.7	.8	.7	.8	.6	.7	.9
Sweden	.2	.8	1.8	1.4	1.8	1.3	1.3	1.4	1.7	1.8
Switzerland	.1	.7	2.7	2.3	3.2	3.3	3.4	2.5	1.4	-1.4
United Kingdom	1.3	6.8	12.2	11.8	8.3	6.1	4.8	2.5	6.5	2.3
West Germany	1.5	8.0	10.6	8.1	7.0	7.0	6.5	5.8	7.9	8.8

NA Not available. Z Less than \$50 million. ¹ Includes flows to OPEC countries (see footnote 4). Comprises as donors Australia, Austria, Belgium, Canada, Denmark, Finland, France, Ireland, Italy, Japan, Netherlands, New Zealand, Norway, Sweden, Switzerland, United Kingdom, United States, and West Germany. ² Includes "grant-like" flows (i.e., loans repayable in recipients' currencies). ³ Includes capital subscriptions to multilateral organizations in the form of demand instruments as of date of issue. ⁴ Algeria, Ecuador, Gabon, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates, and Venezuela. ⁵ Bulgaria, Czechoslovakia, East Germany, Hungary, Poland, Romania, and Soviet Union.

NO. 1448. PER CAPITA PUBLIC AND PRIVATE AID TO DEVELOPING COUNTRIES: 1980 TO 1986

[In dollars. See headnote, table 1447. Private aid figures exclude government subsidies to voluntary agencies. Countries are ranked by per capita gross national product in 1980]

COUNTRY	OFFICIAL DEVELOPMENT ASSISTANCE			PRIVATE VOLUNTARY AID			COUNTRY	OFFICIAL DEVELOPMENT ASSISTANCE			PRIVATE VOLUNTARY AID		
	1980	1985	1986	1980	1985	1986		1980	1985	1986	1980	1985	1986
Switzerland	40	48	64	10	.8	10	France	77	72	82	1	1	2
United States	31	38	40	8	.6	7	Austria	24	33	28	3	2	3
Japan	29	31	48	(2)	(2)	(2)	Netherlands	115	78	118	6	7	10
Norway	119	138	191	8	12	14	Belgium	80	45	58	5	2	2
Sweden	116	101	130	7	9	10	United Kingdom	33	27	31	2	3	3
Denmark	92	88	138	3	3	2	Australia	45	47	47	3	3	2
West Germany	58	46	63	7	7	9	Italy	12	19	42	(2)	(2)	(2)
Finland	23	43	64	3	3	6	New Zealand	23	16	23	2	3	2
Canada	45	64	88	4	7	7	Ireland	9	11	18	-	.6	.6

- Represents zero. Z Less than 50 cents.

Source of tables 1447 and 1448: Organization for Economic Cooperation and Development, Paris, France, unpublished data.

No. 1448. MILITARY EXPENDITURES IN CURRENT AND CONSTANT (1984) DOLLARS: 1975 TO 1985

(In millions of dollars, except as indicated. See also table 533. For most countries, data for expenditure and for GNP were based on local currencies which were deflated to constant 1984 local currency values before conversion to U.S. dollar equivalents. In general, the rates used for conversion are the 1984 average per-market exchange rates as supplied by the International Bank for Reconstruction and Development.)

COUNTRY	CURRENT DOLLARS					CONSTANT (1984) DOLLARS						
	1975	1980	1983	1984	1985	1975	1980	1985	Per capita (dollars)		Percent of GNP ¹	
									1980	1985	1980	1985
United States	90,950	144,000	217,200	237,100	265,800	165,200	181,000	257,600	795	1,077	5.3	6.6
Algeria ²	410	951	1,397	1,385	1,364	746	1,196	1,322	63	60	2.9	2.5
Argentina	870	2,301	3,139	^a 2,876	^a 2,398	1,581	2,891	^a 2,295	102	^a 78	3.6	^a 3.3
Australia	1,816	3,018	4,300	4,826	5,105	3,289	3,735	4,848	280	315	2.5	2.8
Austria	312	553	^a 618	^a 646	(NA)	566	894	(NA)	92	^a 112	1.1	^a 1.3
Belgium	1,117	2,013	2,403	2,407	2,414	2,029	2,530	2,339	257	237	3.3	3.0
Brazil	815	1,104	1,802	1,855	^a 2,307	1,082	1,387	^a 2,236	11	^a 16	7	^a 1.0
Bulgaria ²	2,206	3,119	4,308	4,465	4,838	4,007	3,820	4,485	443	503	7.3	8.0
Canada	2,716	4,461	6,195	7,196	7,902	4,934	5,807	7,898	233	302	1.9	2.3
Chile	353	550	672	726	760	640	692	739	62	61	3.6	4.1
China:												
Mainland ²	12,500	18,880	22,430	23,850	24,870	22,710	23,700	24,100	24	23	10.5	6.7
Taiwan	1,074	2,315	4,026	3,821	^a 4,740	1,951	2,810	^a 4,593	164	^a 238	8.6	^a 7.8
Cuba ²	393	1,140	1,470	1,586	1,600	714	1,433	1,551	148	154	6.5	5.4
Czechoslovakia ²	3,615	5,362	7,282	7,565	7,923	6,987	8,784	7,578	443	495	5.4	5.8
Denmark	908	951	1,236	1,280	1,280	1,105	1,233	1,230	241	241	2.5	2.3
East Germany ²	4,848	7,258	9,986	10,990	11,290	8,443	9,123	10,940	545	657	5.8	6.4
Egypt ²	3,912	2,547	6,475	5,581	6,294	7,107	3,201	8,100	78	124	9.2	14.2
El Salvador	31	109	173	^a 272	^a 254	57	137	^a 248	29	^a 49	2.7	^a 5.5
Finland	309	577	621	772	(NA)	581	726	(NA)	152	^a 158	1.8	^a 1.5
France	8,456	15,040	19,530	20,210	20,800	15,360	16,900	20,160	251	265	4.0	4.1
Greece	851	1,456	1,983	2,412	2,506	1,782	1,830	2,428	180	244	5.5	7.2
Hungary ²	1,759	2,639	3,187	3,233	3,536	3,195	3,315	3,427	310	322	4.4	4.4
India	2,202	3,982	6,300	7,025	7,493	4,000	5,017	7,261	7	9	3.4	3.8
Indonesia	970	1,648	2,031	2,119	^a 2,181	1,789	2,071	^a 2,114	13	^a 12	3.1	^a 2.5
Iran	13,440	^a 7,725	^a 5,376	^a 11,690	(NA)	24,410	^a 9,708	(NA)	^a 248	^a 257	^a 6.6	^a 7.2
Iraq ²	3,285	12,160	15,160	15,920	(NA)	5,989	15,280	(NA)	1168	^a 1,044	22.5	^a 42.5
Israel	3,135	5,410	5,614	6,447	^a 3,579	5,095	6,799	^a 3,564	1,519	^a 875	29.2	^a 13.9
Italy	3,880	5,589	8,754	9,353	10,010	7,012	8,280	9,899	147	170	2.4	2.7
Japan	4,116	7,900	11,250	12,380	13,480	7,475	9,928	13,080	85	108	9	1.0
Kuwait	682	665	1,369	1,419	1,513	1,240	1,112	1,467	812	657	3.0	6.3
Malaysia	436	689	^a 1,467	^a 1,218	^a 1,227	792	1,117	^a 1,190	81	^a 77	4.4	^a 3.8
Mexico	491	525	610	1,081	1,052	682	680	1,019	9	13	.4	.8
Morocco	205	536	554	563	780	372	676	756	33	33	6.5	6.5
Netherlands	1,807	3,025	3,729	3,978	4,051	3,484	3,802	3,926	299	271	3.1	3.1
Nicaragua	50	^a 190	^a 468	^a 597	^a 702	91	239	680	86	215	5.8	16.8
Nigeria	2,419	2,085	^a 1,858	^a 1,215	^a 1,088	4,384	2,595	^a 1,055	29	^a 10	2.7	^a 1.4
North Korea ²	2,000	3,500	4,900	5,200	5,400	3,633	4,389	5,233	246	257	22.6	22.2
Norway	995	1,143	1,581	1,555	1,853	1,284	1,437	1,795	352	432	3.0	3.2
Oman	686	1,178	1,942	2,108	2,157	1,267	1,481	2,080	1,505	1,813	22.1	24.4
Pakistan	654	1,059	1,921	1,981	2,379	1,189	1,331	2,305	16	23	5.0	6.4
Peru	409	^a 805	^a 872	^a 1,378	^a 1,386	743	^a 1,011	^a 1,345	^a 58	^a 66	^a 4.9	^a 6.9
Philippines	400	488	525	380	400	726	614	386	12	7	1.9	1.3
Poland ²	6,919	9,714	12,420	13,580	14,610	12,570	12,210	14,160	343	381	5.3	6.0
Portugal	428	532	636	629	650	777	688	830	68	62	3.6	3.3
Qatar	65	604	(NA)	(NA)	^a 2,308	154	780	^a 2,236	3,293	^a 7,578	9.3	^a 46.9
Romania ²	2,885	3,783	5,181	5,295	5,473	5,240	4,787	5,304	215	233	4.3	4.3
Saudi Arabia	5,257	16,080	26,620	^a 21,890	^a 22,900	11,380	20,220	^a 22,180	1,992	^a 1,651	14.4	^a 24.4
Singapore	247	562	701	986	^a 1,196	448	707	^a 1,159	293	^a 453	5.3	^a 6.2
South Africa	1,178	2,897	^a 3,134	^a 2,978	(NA)	2,136	3,360	(NA)	116	^a 93	5.2	^a 4.2
South Korea	1,092	2,953	4,229	4,433	4,891	1,983	3,711	4,740	97	115	6.1	5.5
Soviet Union ²	128,000	201,000	250,000	264,000	275,000	232,500	252,000	266,500	948	956	13.0	12.5
Spain	1,984	2,212	3,172	^a 3,502	(NA)	3,604	2,780	(NA)	74	^a 91	1.9	^a 2.3
Sweden	1,502	2,176	2,779	2,836	2,932	2,729	2,735	2,841	329	340	3.1	3.0
Switzerland	983	1,565	1,972	2,123	^a 2,244	1,822	1,986	^a 2,175	308	^a 333	2.1	^a 2.2
Syria	1,171	2,383	^a 4,159	^a 4,331	^a 4,512	2,127	2,985	^a 4,372	345	^a 422	17.1	^a 22.9
Thailand	340	1,065	1,442	1,802	1,892	617	1,336	1,834	29	35	4.0	4.4
Turkey	1,151	1,408	2,185	2,190	2,416	2,091	1,770	2,342	39	46	4.4	4.8
United Arab Emirates	34	1,724	1,973	1,932	^a 1,365	61	2,187	^a 1,342	2,186	^a 855	6.2	^a 5.7
United Kingdom	10,200	16,070	21,400	22,620	24,200	18,530	20,200	23,450	359	414	5.0	5.3
Venezuela	482	537	709	752	^a 882	875	675	^a 861	45	^a 38	1.3	^a 1.4
West Germany	10,030	15,580	19,500	20,130	20,800	18,220	19,550	20,180	318	330	3.3	3.2
Yugoslavia	987	1,494	1,485	1,614	1,690	1,757	1,678	1,838	84	71	4.3	3.7

NA Not available. ¹ Military expenditure as percent of gross national product. For additional information on comparisons between communist and noncommunist countries, see footnote 4, table 533. ² Estimated. ³ For 1984.

Source: U.S. Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers*, annual.

No. 1450. ARMED FORCES PERSONNEL—NUMBER AND RATE, BY COUNTRY: 1975 TO 1985

[Personnel data as of July. Armed Forces refer to active-duty military personnel, including paramilitary forces where those forces resemble regular units in their organization, equipment, training, or mission. Reserve forces are not included]

COUNTRY	ARMED FORCES PERSONNEL (1,000)						ARMED FORCES PER 1,000 POPULATION					
	1975	1980	1982	1983	1984	1985	1975	1980	1982	1983	1984	1985
United States...	2,098	2,101	2,201	2,222	2,244	2,269	8.7	8.2	9.5	9.5	9.5	9.8
Algeria	80	101	120	130	170	170	5.0	5.4	6.0	6.3	8.0	7.1
Argentina	180	155	175	175	174	129	6.1	5.5	6.0	5.8	5.8	4.3
Australia	70	71	73	73	71	70	5.1	4.9	4.8	4.8	4.8	4.5
Austria	50	40	40	50	40	40	6.6	5.3	5.3	6.6	5.3	5.3
Belgium	103	108	108	108	107	108	10.5	10.8	11.0	11.1	10.9	11.8
Brazil	455	450	480	480	489	486	4.2	3.7	3.5	3.5	3.4	3.5
Bulgaria	175	162	175	177	177	177	20.1	18.3	19.7	19.9	19.8	19.8
Canada	78	82	81	81	82	83	3.4	3.4	3.3	3.3	3.3	3.3
Chile	110	118	116	128	123	124	10.8	10.5	10.1	10.8	10.4	10.3
China:												
Mainland	4,300	4,850	4,350	4,100	4,100	4,100	4.7	4.7	4.3	4.0	4.0	3.1
Taiwan	504	465	457	454	470	440	31.3	28.1	24.8	24.2	24.7	22.8
Cuba	120	220	230	250	297	297	12.9	22.8	23.5	25.3	29.8	29.5
Czechoslovakia	210	212	213	214	213	214	14.2	13.9	13.9	13.9	13.8	13.6
Denmark	34	33	32	30	31	29	6.7	6.4	6.2	5.9	6.1	5.7
East Germany	220	231	233	240	240	240	13.1	13.8	14.0	14.4	14.4	14.4
Egypt	447	447	447	447	488	488	10.8	10.8	9.9	9.6	9.8	9.5
El Salvador	8	18	28	32	45	45	1.8	3.4	6.0	6.7	9.2	9.4
Finland	40	36	38	40	40	(NA)	6.5	7.5	7.5	8.2	8.2	(NA)
France	585	575	578	578	571	583	11.1	10.7	10.8	10.8	10.4	10.2
Greece	185	186	186	177	197	208	20.5	19.3	19.0	18.0	19.9	20.7
Honduras	12	14	17	18	20	21	3.8	3.7	4.2	4.5	4.6	4.7
Hungary	118	119	110	105	105	118	11.2	11.1	10.3	9.8	9.8	10.9
India	1,870	1,104	1,120	1,250	1,380	1,515	2.7	1.8	1.8	1.7	1.8	2.0
Indonesia	280	250	280	280	281	281	1.9	1.7	1.7	1.7	1.7	1.6
Iran	385	305	240	240	335	345	11.5	7.8	5.7	6.5	7.4	7.3
Iraq	165	430	404	434	788	788	13.9	32.6	26.5	51.7	49.9	49.9
Israel	172	186	205	205	205	185	51.1	52.4	53.1	52.2	51.2	47.9
Italy	459	500	517	488	508	531	8.3	8.9	9.1	8.8	8.9	9.3
Japan	237	242	241	241	241	241	2.1	2.1	2.1	2.0	2.0	2.0
Kuwait	25	12	13	13	15	16	24.6	6.8	8.7	8.3	9.2	9.3
Malaysia	78	83	95	105	105	124	6.2	6.0	6.6	7.1	7.0	8.0
Mexico	95	120	130	130	129	140	1.5	1.7	1.8	1.7	1.7	1.8
Morocco	75	117	126	135	149	185	4.1	5.7	5.8	6.1	6.6	7.1
Netherlands	107	107	106	104	103	103	7.8	7.8	7.4	7.2	7.1	7.1
Nicaragua	5	24	41	46	67	74	2.1	13.6	15.2	21.6	23.4	23.4
Nigeria	270	150	144	144	144	134	3.5	1.7	1.5	1.5	1.4	1.3
North Korea	470	700	782	784	784	784	29.6	39.1	41.7	40.9	39.9	38.5
Norway	36	40	40	41	39	41	9.6	9.7	9.7	9.9	9.4	9.9
Oman	12	15	15	20	25	25	15.7	15.2	14.3	18.5	22.4	21.7
Pakistan	502	487	584	584	646	644	8.7	5.5	6.4	6.2	6.7	6.5
Peru	95	151	164	167	135	126	6.3	8.7	9.0	6.9	7.0	6.5
Philippines	120	155	157	157	157	157	2.7	3.0	2.9	2.8	2.8	2.7
Poland	435	421	429	430	432	432	12.8	11.8	11.8	11.8	11.6	11.6
Portugal	104	91	91	80	100	101	11.0	9.0	9.1	9.3	9.9	9.8
Qatar	5	6	6	6	6	6	30.3	28.0	23.5	22.5	21.5	20.6
Romania	220	216	236	244	244	244	10.4	9.7	10.8	10.8	10.8	10.7
Saudi Arabia	75	78	80	80	95	96	10.3	7.8	7.0	6.6	7.4	7.1
Singapore	27	50	60	60	58	59	11.9	20.7	24.3	24.0	23.3	23.1
South Africa	50	70	78	77	97	95	2.0	2.4	2.6	2.5	3.0	2.9
South Korea	630	600	601	602	602	600	17.2	15.7	15.3	15.1	14.9	14.6
Soviet Union	4,100	4,400	4,500	4,500	4,500	4,500	16.1	16.5	16.6	16.4	16.3	16.1
Spain	375	341	353	340	411	(NA)	10.5	9.1	9.3	8.9	10.7	(NA)
Sweden	75	70	70	68	69	(NA)	9.2	8.4	8.4	8.2	8.3	(NA)
Switzerland	25	23	23	28	25	(NA)	3.9	3.6	3.6	4.3	3.8	(NA)
Syria	230	250	300	402	402	402	31.2	28.6	32.3	41.5	40.2	38.8
Thailand	227	234	250	250	250	270	5.4	5.0	5.1	5.0	4.9	5.2
Turkey	584	717	789	824	815	825	14.4	15.9	16.3	17.0	16.5	16.3
United Arab Emirates	21	44	44	44	44	44	40.4	44.0	38.8	33.4	28.0	28.0
United Kingdom	348	330	335	333	336	335	6.2	5.9	5.9	5.9	5.9	5.9
Venezuela	55	55	56	56	64	71	4.3	3.7	3.5	3.4	3.8	4.1
Vietnam	643	900	1,000	1,000	1,000	1,000	25.8	16.8	17.8	17.4	16.9	16.5
West Germany	491	490	495	496	487	495	7.9	8.0	8.0	8.1	8.0	8.1
Yugoslavia	270	258	258	258	259	220	12.6	11.8	11.4	11.4	11.3	9.5

NA Not available

Source: U.S. Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers*, annual



Appendix I

Guide to — Sources of Statistics, State Statistical Abstracts, and Foreign Statistical Abstracts

Alphabetically arranged by subject, this guide contains references to the important primary sources of statistical information for the United States. Secondary sources have been included if the information contained in them is presented in a particularly convenient form or if primary sources are not readily available. Nonrecurrent publications presenting compilations or estimates for years later than 1978 or types of data not available in regular series are also included.

Much valuable information may also be found in State reports (see pp. 883-887) and foreign statistical abstracts (see pp. 888 and 889) and in reports for particular commodities, industries, or similar segments of our economic and social structures, many of which are not included here.

Publications listed under each subject are divided into two main groups: "U.S. Government" and "Other." The location of the publisher of each report is given except for Federal agencies located in Washington, DC. Most Federal publications may be purchased from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402, tel. (202) 783-3238, or from Government Printing Office bookstores in certain major cities. In some cases, Federal publications may be obtained from the issuing agency.

Major reports, such as the Census of Population, which consist of many volumes, are listed by their general, all-inclusive titles.

Bureau of the Census Publications

In most cases, separate reports of the most recent censuses are available for each State, subject, industry, etc. Complete information on publications of all the censuses and current surveys conducted by the Bureau of the Census appears in the *Bureau of the Census Catalog*, published annually and available from the Superintendent of Documents.

Abortions—see Vital Statistics.

Accidents—see also Health; Insurance; and Vital Statistics

U.S. Government

Bureau of Labor Statistics

Handbook of Labor Statistics. Periodic. (1985, most recent.)

Injuries to Construction Laborers. 1986. (Bulletin No. 2252.)

Injuries in the Logging Industry. 1984. (Bulletin No. 2203.)

Injuries Resulting From Falls From Elevations. 1984. (Bulletin No. 2195.)

Injuries Resulting From Falls On Stairs. 1984. (Bulletin No. 2214.)

Injuries to Warehouse Workers. 1986. (Bulletin No. 2257.)

Occupational Injuries and Illnesses in the United States by Industry. Annual.

Department of Transportation

Transportation Safety Information Report. Quarterly.

Federal Railroad Administration

Accident/Incident Bulletin. Summary, statistics, and analysis of accidents on railroads in the United States. Annual.

Accidents—Con.

U.S. Government—Con.

Federal Railroad Administration—Con.

Rail-Highway Crossing Accident/Incident and Inventory Bulletin. Annual.

Mine Safety and Health Administration

Informational Reports by Mining Industry: Coal; Metallic Minerals; Nonmetallic Minerals (except stone and coal); Stone, Sand, and Gravel. Annual

Mine Injuries and Worktime. (Preliminary data.) Quarterly.

National Center for Health Statistics

Vital Statistics of the United States. Annual.

National Transportation Safety Board
Accidents. Annual.

Other

Metropolitan Life Insurance Company, New York, NY

Health and Safety Education.
Statistical Bulletin. Quarterly.

Accidents—Con.*Other—Con.*

National Fire Protection Association,
Quincy, MA
Fire Journal. Bimonthly.

National Safety Council, Chicago, IL
Accident Facts. Annual.

Agriculture—see also Food; Foreign Commerce; Labor; Money and Banking; and Population

*U.S. Government***Bureau of the Census**

Census of Agriculture. Quinquennial.
(1987, most recent.)

U.S. Commodity Exports and Imports as
Related to Output. Annual. (Series
ES2.)

Bureau of the Census and Bureau of Mines
Raw Materials in the United States Economy,
1900-1977. (Issued 1980. Working
Paper No. 47.)

Bureau of Reclamation

Annual Report.

Summary Statistics:

Vol. I, Water, Land, and Related Data.

Vol. II, Finances and Physical Features.

Vol. III, Project Data.

Commodity Futures Trading Commission

Annual Report.

Commitments of Traders in Commodity
Futures. Monthly.

Department of Agriculture

Agricultural Chartbook. Annual.

Agricultural Economics Research. Quarterly.

Agricultural Finance and Outlook Situation. Annual.

Agricultural Finance Statistics, 1960-83.
(Statistical Bulletin No. 706.) April
1984.

Agricultural Outlook. 11 issues per year.

Agricultural Price Reports. Reports on
prices received for farm commodities,
prices paid for farm supplies, indexes
and parity ratios. Monthly and annual.

Agricultural Statistics. Annual.

Conversion Factors and Weights and
Measures for Agricultural Commodities
and Products. March 1979. (Statistical
Bulletin No. 616.)

Crop Production Reports. Acreage, yield,
and production of various commodities.
Monthly and annual.

Crop Values Report. Price and value of
various commodities. Annual.

Agriculture—Con.*U.S. Government—Con.***Department of Agriculture—Con.**

Economic Indicators of the Farm Sector
A series of 5 annual issues.

Farmline. 11 issues per year.

Food Consumption, Prices, and Expenditures,
1985. (Statistical Bulletin No. 749.)
Revised annually.

Foreign Agricultural Trade of the United
States (FATUS). 6 issues with annual
supplements on calendar year and
fiscal year trade data.

Fruit and Vegetable Reports. Acreage,
yield, production, value, and utilization
of various fruits and vegetables. Periodic.

The Hired Farm Working Force of 1981.
(Agricultural Economic Report No. 507.)

Landownership in the United States.
1978. (Agricultural Economic Report
No. 435.)

Livestock and Livestock Products. Reports
pertaining to cattle, cattle on feed,
hogs and pigs, lamb crop, livestock
slaughter, sheep and goats, and wool
and mohair. Periodic.

Major Uses of Land in the United States.
1982. 1985.

Milk and Dairy Products Reports. Milk
cows, milk production, and dairy products.
Monthly and annual.

Other Reports. Reports on varied items
including cold storage, farm employment
and wages, farm production expenditures,
mink, mushrooms, and floriculture crops.
Monthly and annual.

Poultry and Egg Reports. Reports covering
eggs, chickens, turkeys, hatcheries,
egg products, and poultry slaughter.
Weekly, monthly, annual.

Rural Development Perspectives. 3
issues per year.

Situation Reports. Issued for cotton and
wool, dairy, feed, fruit, inputs, livestock
and poultry, oil crops, rice, sugar and
sweeteners, tobacco, vegetables,
wheat, and world agriculture. Monthly,
quarterly, annual.

Statistics of Farmer Cooperatives.
Annual.

Statistics on Oilseeds and Related Data,
1965-82. (Statistical Bulletin No. 695.)

Stock Reports. Stocks of grain, hops,
peanuts, potatoes, rice, and soybeans.
Quarterly, annual, periodic.

Weekly Weather and Crop Bulletin.
Report summarizing weather and its
effect on the previous week.

Agriculture—Con.

U.S. Government—Con.

Farm Credit Administration

Annual Report.

Loans and Discounts of Farm Credit Banks and Associations. Annual.

National Oceanic and Atmospheric Administration

Weekly Weather and Crop Bulletin. National summary.

Soil Conservation Service

National Resources Inventory, 1982. Periodic.

Report of Administrator of Soil Conservation Service. Annual.

Air Force—see National Defense.

Air Pollution—see Environment.

Aliens—see Immigration.

American Samoa—see Outlying Areas.

Area—see Geography.

Army—see National Defense.

Aviation—see Transportation.

Banks and Banking—see Money.

Births—see Vital Statistics.

Broadcasting—see Communications.

Building Permits—see Construction.

Business—see also Economic Indexes; Investments; Manufactures; Retail and Wholesale Trade; Science Resources; and Service Establishments

U.S. Government

Administrative Office of the United States Courts

Annual Report of the Director.

Board of Governors of the Federal Reserve System

Federal Reserve Bulletin. Monthly.

Bureau of the Census

Census of Retail Trade. Quinquennial. (1982, most recent.)

Census of Service Industries. Quinquennial. (1982, most recent.)

Census of Wholesale Trade. Quinquennial. (1982, most recent.)

County Business Patterns. Annual.

Characteristics of Business Owners. 1982.

Current Business Reports. Retail Trade, Sales, and Inventories, BR; and Wholesale Trade, Sales, and Inventories, BW.

Business—Con.

U.S. Government—Con.

Bureau of the Census—Con.

Minority-Owned Businesses. Quinquennial. (1982, most recent.)

Quarterly Financial Report for Manufacturing, Mining, and Trade Corporations.

Bureau of Economic Analysis

Business Conditions Digest. Monthly.

Business Statistics: 1986. 1987.

The Detailed Input-Output Structure of the U.S. Economy, 1977. 1984.

Fixed Reproducible Tangible Wealth in the United States, 1925-79. 1982.

Handbook of Cyclical Indicators. 1984.

The National Income and Product Accounts of the United States, 1929-1982: Statistical Tables. 1986.

Selected Data on U.S. Direct Investment Abroad, 1950-79. 1985.

Summary Input-Output Tables of the U.S. Economy: 1976, 1978, and 1979. 1983. (Staff Paper No. 39.)

Survey of Current Business. Monthly.

Council of Economic Advisers

Economic Indicators. Monthly.

Economic Report of the President. Annual.

Federal Trade Commission

Mergers & Acquisitions, 1972-1974. 1978.

Internal Revenue Service

Statistics of Income.

Corporation Income Tax Returns. Annual.

Statistics of Income Bulletin. Quarterly.

International Trade Administration

U.S. Industrial Outlook. Annual.

Patent and Trademark Office

Commissioner of Patents and Trademarks Annual Report.

Patenting Trends in the United States, State Country Report, 1963-1987.

Securities and Exchange Commission

Annual Report.

Statistical Review. Monthly.

Small Business Administration

Annual Report.

Other

The Conference Board, New York, NY
Economic Road Maps. Monthly.

Business—Con.**Other—Con.**

The Dun & Bradstreet Corporation, New York, NY

The Business Failure Record. Annual.

Monthly Business Starts Report.

Monthly Business Failure Report.

Monthly New Business Incorporations Report.

Quarterly Survey of Business Expectations.

Fortune (Time, Inc.), New York, NY

The Fortune Directory of the 500 Largest Industrial Corporations. (Annual supplement to Fortune.)

National Bureau of Economic Research, Cambridge, MA

Financial Aspects of the United States Pension System, Zvi Bodie and John B. Shoven, editors. 1983. (University of Chicago Press, Chicago, IL.)

The U.S. National Income and Product Accounts: Selected Topics, Murray F. Foss, editor. 1982. (Studies in Income and Welfare, No. 47.) (University of Chicago Press, Chicago, IL.)

Child Welfare—see Education; and Social Insurance.

City Government—see State and Local Government.

Civil Service—see Federal Government; and State and Local Government.

Climate—see also Agriculture

U.S. Government

National Oceanic and Atmospheric Administration

Climatology of the United States, No. 20, Supplement No. 1, Freeze/Frost Data.

Climatology of the United States, No. 81: Monthly Normals of Temperature, Precipitation, and Heating and Cooling Degree Days 1951-80. 1982. Issued by State.

Climatological Data. Issued in sections for States and outlying areas. Monthly with annual summary.

Comparative Climatic Data Through 1987.

General Summary of Tornadoes. Annual.

Hourly Precipitation Data. Monthly with annual summary; for each State.

Local Climatological Data. Monthly with annual summary; for major cities.

Storm Data. Monthly.

Weekly Weather and Crop Bulletin. National summary.

Commerce—see Foreign Commerce; Retail and Wholesale Trade; and Transportation.

Commodity Prices—see also Economic Indexes

U.S. Government

Board of Governors of the Federal Reserve System

Federal Reserve Bulletin. Monthly.

Bureau of Labor Statistics

Consumer Prices: Energy and Food. Monthly.

CPI Detailed Report. Monthly.

Handbook of Labor Statistics. Periodic. (1985, most recent.)

Monthly Labor Review.

Producer Price Indexes. Monthly, with annual supplement.

Relative Importance of Components in the Consumer Price Indexes. Annual.

U.S. Import and Export Price Indexes. Quarterly.

Department of Agriculture

Agricultural Price Reports. Monthly and annual.

Agricultural Statistics. Annual.

Other

Commodity Research Bureau, a Knight-Ridder Business Information Service, New York, NY

Commodity Year Book Statistical Abstract Service. (3 editions annually.)

CRB Commodity Index Report. Weekly.

CRB Commodity Year Book. Annual.

CRB Futures Chart Service. Weekly.

CRB Outlook. Monthly.

Electronic Futures Trend Analyzer. Daily.

Futures Market Service. Weekly.

Morgan Guaranty Trust Company of New York

World Financial Markets

Wall Street Journal. (Dow Jones & Co., New York, NY.) Daily except Saturdays, Sundays, and holidays.

Communications—see also Newspapers

U.S. Government

Federal Communications Commission

Annual Report.

Statistics of Communications Common Carriers. Annual.

Rural Electrification Administration

Annual Statistical Report—Rural Telephone Borrowers.

Communications—Con.

U.S. Government—Con.

U.S. Postal Service
Annual Report of the Postmaster General.
Cost and Revenue Analysis. Annual.

Other

John Blair & Company, New York, NY
Statistical Trends in Broadcasting. Annual.

Book Industry Study Group, Inc., New York, NY
Book Industry Trends. Annual.

Broadcasting Publications, Inc., Washington, DC
Broadcasting Magazine. Weekly.
Broadcasting Cablecasting Yearbook.

Corporation for Public Broadcasting, Washington, DC
Average Revenue Profiles for Public Broadcasting Stations.

Public Broadcasting Income. Annual.
Public Broadcasting Stations' Income from State Governments and State Colleges & Universities Ranked State-By-State.

Public Broadcasting: Statistical Brief. Annual.

Public Radio and Television Programming Content by Category. Biennial.

Summary Statistical Report of PTV Licensees. Annual.

Summary Statistical Report of Public Radio Stations. Annual.

Editor & Publisher Co., New York, NY
International Year Book. Annual.
Market Guide. Annual.

Electronic Industries Association, Washington, DC

Electronic Market Data Book. Annual.
Electronic Market Trends. Monthly.
Electronics Foreign Trade. Monthly.
Electronics Foreign Trade Five-Year Summary. Annual.

Radio Advertising Bureau, New York, NY
Radio Facts. Annual.

United States Telephone Association, Washington, DC
Statistics of the Independent Telephone Industry. Annual.

Warren Publishing, Inc., Washington, DC
Cable Action Update. Weekly.
Cable and Station Coverage Atlas. Annual.
Television Action Update. Weekly.

Communications—Con.

Other—Con.

Warren Publishing, Inc., Washington, DC—Con.

Television and Cable Factbook. Annual.

Construction, Housing, and Real Estate—see also Money and Roads

U.S. Government

Board of Governors of the Federal Reserve System
Federal Reserve Bulletin. Monthly.

Bureau of Census

Census of Construction Industries. Quinquennial. (1982, most recent.)

Census of Housing. Decennial. (1980, most recent.)

Current Construction Reports: Housing Starts, C20 (monthly); New Residential Construction in Selected Metropolitan Statistical Areas, C21 (quarterly); Housing Completions, C22 (monthly); New One-Family Houses Sold and for Sale, C25 (monthly with annual report, Characteristics of New Housing); Price Index of New One-Family Houses Sold, C27 (quarterly); Value of New Construction Put in Place, C30 (monthly with occasional historical supplement); Housing Units Authorized by Building Permits, C40 (monthly and annual); Residential Alterations and Repairs, C50 (Quarterly and annual).

Current Housing Reports: Housing Vacancies, H-111 (quarterly and annual); Market Absorption of Apartments, H-130 (quarterly and annual); Characteristics of Apartments Completed, H-131 (annual); Annual Housing Survey, H-150 (series of six biennial reports); Annual Housing Survey—Housing Characteristics for Selected Metropolitan Areas, H-170.

Social Indicators, 1980.

Bureau of Economic Analysis

Business Conditions Digest. Monthly.

Business Statistics: 1986. 1987.

Fixed Reproducible Tangible Wealth in the United States, 1925-79. 1982.

Handbook of Cyclical Indicators. 1984.

The National Income and Product Accounts of the United States, 1929-82: Statistical Tables. 1986.

New Structures and Equipment by Using Industries, 1972: Detailed Estimates and Methodology. 1980. (Staff Paper No. 35.)

Survey of Current Business. Monthly.

Bureau of Labor Statistics

Current Wage Developments. Monthly.

**Construction, Housing, and Real Estate—
Con.****U.S. Government—Con.****Bureau of Labor Statistics—Con.****Employment and Earnings. Monthly.****Employment, Hours, and Earnings,
United States, 1909-84. 1985. (Bulletin
No.1312-12.)****Injuries to Construction Laborers. 1986.
(Bulletin No. 2252.)****Monthly Labor Review.****Occupational Employment in Mining,
Construction, Finance, and Services.
1986. (Bulletin No. 2264.)****Occupational Injuries and Illnesses in the
United States by Industry. Annual.****Department of Housing and Urban Devel-
opment****Statistical Yearbook. (Discontinued with
1979 edition.)****Survey of Mortgage Lending Activity.
Monthly and quarterly press releases.****Energy Information Administration****Residential Energy Consumption Survey:
Housing Characteristics. Triennial.****Federal Home Loan Bank Board****Annual Report.****Savings and Home Financing Source
Book. Annual.****International Trade Administration****Construction Review. Bimonthly.****Veterans Administration****Loan Guaranty Highlights. Quarterly.****Other****Dodge, F.W., National Information Services
Division, McGraw-Hill Information Sys-
tems Co., New York, NY****Dodge Construction Potentials. Monthly.****NATIONAL ASSOCIATION OF REALTORS,
Washington, DC****Existing Home Sales. Monthly.****Whitman, Requardt and Associates, Balti-
more, MD****The Handy-Whitman Index of Public Utili-
ty Construction Costs. Semiannual.****Consumer Income and Expenditures, and
Personal Income—see also Agriculture;
Economic Indexes; Investments; and Na-
tional Income****U.S. Government****Board of Governors of the Federal Reserve
System****Federal Reserve Bulletin. Monthly.****Consumer Income and Expenditures, and
Personal Income—Con.****U.S. Government—Con.****Bureau of the Census****Census of Population. Decennial. (1980,
most recent.)****Current Population Reports. (Series on
Consumer Income, P-60.)****Current Population Reports. (Series on
Household Economic Studies, P-70.)****Special Studies Reports. (Series on Spe-
cial Studies, P-23.)****Bureau of Economic Analysis****Business Conditions Digest. Monthly.****Business Statistics: 1986. 1987.****Handbook of Cyclical Indicators. 1984.****Local Area Personal Income, 1979-84.
Annual personal income by type of
income and by major industries, and
population, and per capita income, for
States, counties, and metropolitan
areas. Nine volumes. 1986.****Survey of Current Business. Monthly.****Bureau of Labor Statistics****Consumer Expenditure Survey: Interview
Survey, 1984. 1986. (Bulletin No.
2267.)****Handbook of Labor Statistics. Periodic.
(1985, most recent.)****Congressional Budget Office****Trends in Family Income: 1970-1986.
February 1988.****Internal Revenue Service****Statistics of Income.****Individual Income Tax Returns. Annual.****Statistics of Income Bulletin. Quarterly.****National Science Foundation****Characteristics of Doctoral Scientists and
Engineers in the United States. De-
tailed Statistical Tables. Biennial.****Characteristics of Recent Science/Engi-
neering Graduates. Detailed Statistical
Tables. Biennial.****Science Resources Studies Highlights.
Frequent.****More Recent Science and Engineering
(S/E) Graduates Finding S/E Jobs.
(NSF 88-310.)****Scientists and Engineers Now Account
for Over 4 Percent of Total U.S. Em-
ployment. (NSF 87-313.)****Women and Minorities in Science and
Engineering. Report. Biennial.****Social Security Administration****Studies in Income Distribution. (A series
of studies presenting information on
the distribution of income, taxes, and**

Consumer Income and Expenditures, and Personal Income—Con.

U.S. Government—Con.

Social Security Administration—Con.

transfer payments.) (November 1979, most recent.)

Trends since 1980 in the Economic Status of Aged Men and Women. (Research and Statistics Note No. 3. 1983.)

Other

American Financial Services Association, Washington, DC

AFSA Annual Research Report and Second Mortgage Lending Report on Finance Companies. Annual.

AFSA Annual Research Report and Second Mortgage Lending Report Supplements. Annual.

Finance Facts Yearbook. Annual.

Consumer Prices—see Commodity Prices.

Corporations—see Business; and Manufactures.

Correctional Institutions—see Law Enforcement

Cost of Living—see Commodity Prices.

Courts—see Law Enforcement.

Crime—see Law Enforcement.

Crops—see Agriculture.

Deaths—see Vital Statistics.

Defense—see National Defense.

Divorce—see Vital Statistics.

Domestic Trade—see Retail and Wholesale Trade; and Service Establishments.

Economic Indexes—see also Agriculture; Business; Commodity Prices; and Manufactures

U.S. Government

Board of Governors of the Federal Reserve System

Federal Reserve Banks. Monthly review published by each Bank with special reference to its own Federal Reserve District.

Federal Reserve Bulletin. Monthly. (Also monthly releases on industrial production indexes.)

Bureau of Economic Analysis

Business Conditions Digest. Monthly.

Business Statistics: 1986. 1987.

Handbook of Cyclical Indicators. 1984.

The National Income and Product Accounts of the United States, 1929-82: Statistical Tables. 1986.

Survey of Current Business. Monthly.

Economic Indexes—Con.

U.S. Government—Con.

Bureau of Labor Statistics

Handbook of Labor Statistics. Periodic. (1985, most recent.)

Monthly Labor Review.

Council of Economic Advisers

Economic Indicators. Monthly.

Economic Report of the President. Annual.

National Science Foundation

Academic Science/Engineering: Graduate Enrollment and Support. Detailed Statistical Tables. Annual.

Academic Science/Engineering: R&D Funds. Detailed Statistical Tables. Annual.

A Comparative Analysis of Information on National Industrial R&D Expenditures. Special Report. (NSF 85-311.)

Federal Funds for Research and Development. Detailed Statistical Tables. Annual.

Federal R&D Funding by Budget Function. Report. Annual.

Federal Support to Universities, Colleges, and Selected Nonprofit Institutions. Detailed Statistical Tables. Annual.

International Science and Technology Data Update. Report. Annual.

National Patterns of Science and Technology Resources. Report. Annual.

Research and Development in Industry. Detailed Statistical Tables. Annual.

Science and Engineering Indicators. Report. Biennial.

Science Resources Studies Highlights. Frequent.

Industrial Technology R&D Performance Increased an Estimated 12 Percent in 1987 to \$4.4 Billion. (NSF 88-306.)

Real Increase in 1986 National Funds Estimated at Lowest Rate in Eleven Years. (NSF 88-303.)

Science and Technology Data Book. Report. Annual.

The Science and Technology Resources of West Germany: A Comparison With the United States. Special Report. (NSF 88-310.)

The Science and Technology Resources of Japan: A Comparison With the United States. Special Report. (NSF 88-318.)

Economic Indexes—Con.*Other*

Business Week. (Billboard Publications, Inc., New York, NY.) (Index of Business Activity.)

The Conference Board, New York, NY

The Conference Board Statistical Bulletin. Monthly.

National Bureau of Economic Research, Cambridge, MA

The National Balance Sheet of the United States, 1953-80, by Raymond W. Goldsmith. 1982. (University of Chicago Press, Chicago, IL.)

The U. S. National Income and Product Accounts: Selected Topics, Murray F. Foss, editor. 1982. (Studies in Income and Wealth, No. 47.) (University of Chicago Press, Chicago, IL.)

Education—see also Science Resources; and Vocational Rehabilitation

*U.S. Government***Bureau of the Census**

Census of Population. Decennial. (1980, most recent.)

Current Population Reports. (Series on Population Characteristics, P-20; and Special Studies, P-23.)

Finances of Public School Systems. Annual. (GF No. 10.)

Bureau of Labor Statistics

Educational Attainment of Workers, March 1982-83. 1984. (Bulletin No. 2191.)

Handbook of Labor Statistics. Periodic. (1985, most recent.)

How Workers Get Their Training. 1985. (Bulletin No. 2226.)

Labor Force Statistics Derived From the Current Population Survey, 1948-87. 1988. (Bulletin No. 2307.)

Occupational Projections and Training Data. Biennial.

Students, Graduates, and Dropouts, October 1980-82. 1983. (Bulletin No. 2192.)

Department of Education

Annual Report.

Inflation Measures for Schools and Colleges, September 1983.

Employment and Training Administration

Employment and Training Report of the President. Annual.

National Center for Education Statistics

Associate Degrees and Other Formal Awards Below the Baccalaureate. Annual.

Education—Con.*U.S. Government—Con.*

National Center for Education Statistics—Con.

College and University Library Survey. (1985, most recent.)

The Condition of Education. Annual.

Digest of Education Statistics. Annual.

Earned Degrees Conferred. Annual.

Faculty Salaries, Tenure, and Benefits. Annual.

Fall Enrollment in Colleges and Universities. Annual.

National Longitudinal Study. Reports issued 1972-78 on high school seniors from class of 1972 and their transition to higher education and the labor force.

Participation in Adult Education. (1984, most recent.)

Projections of Education Statistics. Biennial.

Residence and Migration of College Students. (1984, most recent.)

Revenues and Expenditures for Public Elementary and Secondary Education. Annual.

National Science Foundation

Academic Science/Engineering: Graduate Enrollment and Support. Detailed Statistical Tables. Annual.

Academic Science/Engineering: R&D Funds. Detailed Statistical Tables. Annual.

Characteristics of Doctoral Scientists and Engineers in the United States. Detailed Statistical Tables. Biennial.

Characteristics of Recent Science/Engineering Graduates. Detailed Statistical Tables. Biennial.

Federal Support to Universities, Colleges, and Selected Nonprofit Institutions. A report to the President and Congress. Detailed Statistical Tables. Annual.

National Patterns of Science and Technology Resources. Report. Annual.

Profiles—Chemistry: Human Resources and Funding. Special Report. (NSF 87-307.)

Profiles—Mechanical Engineering: Human Resources and Funding. Special Report. (NSF 87-309.)

Resources Supporting Scientific and Engineering Activities at Historically Black Colleges and Universities. Special Report. (NSF 84-332.)

Science and Engineering Doctorates: 1960-86. Detailed Statistical Tables. Annual.

Science and Engineering Indicators. Report. Biennial.

Education—Con.**U.S. Government—Con.****National Science Foundation—Con.**

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Science and Technology Data Book. Report. Annual.

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United Nations Statistical Office, New York, NY

Demographic Yearbook.

Population and Vital Statistics Report. (Statistical Papers, Series A.) Quarterly.

Statistical Yearbook.

1977 Supplement to the Statistical Yearbook and the Monthly Bulletin of Statistics, Methodology, and Definitions. 1979.

World Health Organization, Geneva, Switzerland

Annual Epidemiological and Vital Statistics.

Epidemiological and Vital Statistics Report. Monthly.

World Health Statistics. Quarterly and annual.

Vocational Rehabilitation and Education

U.S. Government

Bureau of the Census

Social Indicators, 1980.

Department of Education

Annual Report.

**Vocational Rehabilitation and Education—
Con.*****U.S. Government—Con.*****Office of Management and Budget**

The Budget of the United States Government. Published annually in a group of five documents; see listing under "Federal Government Finances and Employment."

Rehabilitation Services Administration

Caseload Statistics of State Vocational Rehabilitation Agencies in Fiscal Year. Annual.

Characteristics of Clients Rehabilitated in Fiscal Year. Annual.

State Vocational Rehabilitation Agency Program Data in Fiscal Year. Annual.

Veterans Administration

Annual Report of Administrator of Veterans Affairs.

Disability Compensation Data. Semiannual.

Disability and Death Pension Data. Semiannual.

Disabled Veterans of the Vietnam Era—Education and Training Under the GI Bill and the Vocational Rehabilitation Program. May 1979.

Employment and Unemployment Among Vietnam Era Veterans—An Analysis of the 1979 National Survey of Veterans. August 1981.

**Vocational Rehabilitation and Education—
Con.*****U.S. Government—Con.*****Veterans Administration—Con.**

Flight Training Under the GI Bill. September 1980.

Historical Data on the Usage of Educational Benefits: 1944-1983. April 1984.

Office of Information Management and Statistics Monograph—Selected Compensation and Pension Data, by State of Residence. Annual.

Office of Information Management and Statistics Monograph—Veterans Benefits under Current Educational Programs. Annual.

Women Veterans—Use of Educational Benefits Under the GI Bill. September 1981.

Wages and Wage Rates—see Labor; and Social Insurance.

Wealth—see National Income.

Weather—see Climate.

Welfare Services—see Health; and Social Insurance.

Wholesale and Retail Trade—see Retail and Wholesale Trade.

Wholesale Prices—see Commodity Prices.

Work Relief—see Social Insurance.

Work Stoppages—see Labor.

Guide to State Statistical Abstracts

This bibliography includes the most recent statistical abstracts for States and Puerto Rico published since 1978 plus those that will be issued in late 1989 or early 1990. For some States, a near equivalent has been listed in substitution for, or in addition to, a statistical abstract. All sources contain statistical tables on a variety of subjects for the State as a whole, its component parts, or both. The page counts given for publications are approximate.

Alabama

University of Alabama, Center for Business and Economic Research, P.O. Box 870221, Tuscaloosa 35487 (205)348-6191

Economic Abstract of Alabama. 1987. 475 pp.

Alaska

Department of Commerce and Economic Development, Office of Economic Analysis, Pouch D, Juneau 99811

The Alaska Economic and Statistical Review. 1984. 194 pp. (Out of print.)

Arizona

Valley National Bank, P.O. Box 71, Phoenix 85001 (602)261-5043

Arizona Statistical Review. 44th ed. 1986.

University of Arizona, Division of Economic and Business Research, College of Business and Public Administration, Tucson 85721 (602)821-2155

Arizona Statistical Abstract: A 1989 Data Handbook. 500 pp.

Arizona Economic Indicators. 52 pp. (Biannual.)

Arkansas

University of Arkansas at Little Rock, Regional Economic Analysis, Library 512, Little Rock 72204

Arkansas State and County Economic Data. 18 pp. (Revised annually.)

University of Arkansas at Little Rock, State Data Center, Library 500, Little Rock 72204

Arkansas Statistical Abstract. 500 pp. (Revised biennially.)

California

Department of Finance, 915 L Street, 8th Floor, Sacramento 95814 (916)322-2263

California Statistical Abstract, 1988. 280 pp.

Publishers Group West, 4065 Hollis Street, Emeryville 94608 (415)858-3453

California Almanac, 3d ed. Biennial. 650 pp.

Colorado

University of Colorado, Business Research Division, Campus Box 420, Boulder 80309 (303)492-8227

Statistical Abstract of Colorado, 1987. 600 pp.

Connecticut

Connecticut Department of Economic Development, 210 Washington St., Hartford 06106

Connecticut Market Data. 1988-89.

Delaware

Delaware Development Office, P.O. Box 1401, Dover 19903 (302)736-4271

Delaware Data Book, 1986. 146 pp.

District of Columbia

Office of Planning, Data Services Division, Presidential Bldg., Suite 500, 415 12th St., N.W. 20004

Population Estimates and Housing Units, annual.

Office of Policy, Room 208, 1350 Pennsylvania Ave., N.W. 20004 - Inquiries (202)727-4016; Copies—Office of Documents and Administrative Issues, Room 406 (202)727-5090

Indices—A Statistical Index to DC Services, 1988. Annual. 304 pp.

Florida

University of Florida, Bureau of Economic and Business Research, Gainesville 32611 (904)392-0171

Florida Statistical Abstract, 1988. 22d ed. 1988. 730 pp.

National Data Consultants, P.O. Box 6381, Athens, Georgia 30604 (404)548-8460

Florida County Perspectives: 1989. Annual. 109 pp.

Georgia

University of Georgia, Division of Research,
College of Business Administration,
Athens 30602 (404)542-4085

Georgia Statistical Abstract, 1988-89. 1988.
512 pp.

University of Georgia, College of Agriculture,
Cooperative Extension Service, Athens
30602 (404)542-8840

The Georgia County Guide. 1988. 8th ed.
Annual, 171 pp.

Office of Planning and Budget, 270 Washing-
ton St., S.W., Atlanta 30334 (404)856-
0911

Georgia Descriptions in Data. 1989. 175 pp.

Hawaii

Hawaii State Department of Business and
Economic Development, P.O. Box 2359,
Honolulu 96804 - Inquiries (808)548-
2072; Copies (808)548-2067

*The State of Hawaii Data Book 1988: A
Statistical Abstract.* 22d ed. 1988. 700
pp.

University of Hawaii Press, Honolulu 96822
Historical Statistics of Hawaii. 1977. 711
pp.

Idaho

Department of Commerce, 700 West State
St., Boise 83720 (208)334-2470

County Economic Profiles, 1982. (Separate
report for each county.)

County Profiles of Idaho, 1988.

Idaho Community Profiles, 1988.

Idaho Facts, 1988.

University of Idaho, Center for Business De-
velopment and Research, Moscow 83843

Idaho Statistical Abstract, 1980. 415 pp.
(Out of print.)

Illinois

University of Illinois, Bureau of Economic and
Business Research, 428 Commerce
West, 1208 South 6th Street, Champaign
61820 (217)333-2330

Illinois Statistical Abstract. 1987. 650 pp.

Department of Commerce and Community Af-
fairs, 820 Adams St., Springfield 62701
(217)782-1438

*Illinois State and Regional Economic Data
Book—1985.* 351 pp.

Indiana

Indiana University, Indiana Business Re-
search Center, School of Business,
Bloomington 47423 (317)274-2204

Indiana Factbook, 1985. 420 pp.

Indiana Factbook Update, 1988.

Iowa

Iowa Department of Economic Development,
Research Bureau, 200 East Grand Ave.,
Des Moines 50309

1987 Statistical Profile of Iowa. 116 pp.

Kansas

University of Kansas, Institute for Public
Policy and Business Research, 607
Blake Hall, Lawrence 66045-2980

Kansas Statistical Abstract, 1987-88. 23d
ed. 1988.

Kentucky

Department of Business Development, Cap-
ital Plaza Office Tower, Frankfort 40601

Kentucky Economic Statistics. 25th ed.
1989.

Louisiana

University of New Orleans, Division of Busi-
ness and Economic Research, New Orle-
ans 70148, and Louisiana State Planning
Office, Baton Rouge 70804 (504)286-
6248

Statistical Abstract of Louisiana. 7th ed.
1981. 413 pp.

Maine

Maine Department of Economic and Commu-
nity Development, State House Station
59, Augusta 04333 (207)289-2656

Maine: A Statistical Summary. (Updated pe-
riodically.)

Maryland

Department of Economic and Employment
Development, 217 E. Redwood St., Balti-
more 21202 - Inquiries (301)333-6953;
Copies (301)333-6600

Maryland Statistical Abstract. 1988-89. 272
pp. (Biennial.)

Massachusetts

Massachusetts Institute for Social and Economic Research, 128 Thompson Hall, University of Massachusetts at Amherst 01003 (413)545-3460

Population Projections 1990 and 1995, Cities and Towns in Massachusetts. March 1988. 400 pp.

Michigan

Wayne State University, Bureau of Business Research, School of Business Administration, Detroit 48202

Michigan Statistical Abstract. 20th ed. 1986-87. 629 pp.

Minnesota

Department of Trade and Economic Development, Policy Analysis Office, 900 American Center Building, St. Paul 55101 (612)296-8341

Compare Minnesota: An Economic and Statistical Factbook, 1988-89. 137 pp.

Economic Report to the Governor: State of Minnesota, 1989. 164 pp.

Office of State Demographer, State Planning Agency, 300 Centennial Bldg., St. Paul 55155 (612)296-2557

Minnesota Population and Household Estimates, 1987. 74 pp.

Mississippi

Mississippi State University, College of Business and Industry, Division of Research, Mississippi State 39762 (601)325-3817

Mississippi Statistical Abstract. 1988. 650 pp.

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University of Missouri, Business and Public Administration Research Center, Columbia 65211 (314)882-4806

Statistical Abstract for Missouri, 1987. Biennial. 350 pp.

Montana

Montana Department of Commerce, Census and Economic Information Center, Capitol Station, Helena 59620 (406)444-2896

Montana Statistical Abstract. 1985. 1st ed. 484 pp.

Montana County Profiles. (Separate county reports updated periodically.)

Nebraska

Department of Economic Development, Division of Research, Box 94686, Lincoln 68509 (402)471-3779

Nebraska Statistical Handbook. 1988-1989. 300 pp.

Nevada

Office of Community Services, Capitol Complex, Carson City 89710 (702)885-5187

Nevada Statistical Abstract. 1988. Biennial. 450 pp.

New Hampshire

Office of State Planning, 2 1/2 Beacon St., Concord 03301 (603)271-2155

Current Estimates and Trends in New Hampshire's Housing Supply. Update: 1988. 22 pp.

Selected Economic Characteristics of New Hampshire Municipalities. September 1983. 12 pp. (Other series available on population estimates and projections, and taxation.)

New Jersey

New Jersey State Data Center, NJ Department of Labor, CN 388, Trenton 08625-0388 (609)984-2593

New Jersey Statistical Factbook, 1987. 102 pp.

Office of Economic Policy, 20 West State Street, Trenton 08625 (609)292-1890

New Jersey Profile, 1988. Triennial. 203 pp.

New Mexico

University of New Mexico, Bureau of Business and Economic Research, Albuquerque 87131 (505)277-2216

New Mexico Statistical Abstract. 1988. 209 pp.

County Profiles. (Updated continuously.)

New York

Energy Association of New York, 111 Washington Avenue, Suite 601, Albany 12210 (518)449-3440

New York at a Glance, 1987-88. 237 pp.

Nelson Rockefeller Institute of Government, 411 State Street, Albany 12203 (518)472-1300

New York State Statistical Yearbook, 1987-88. 14th ed. 514 pp.

North Carolina

Office of State Budget and Management,
Management and Information Services
Section, 116 West Jones Street, Raleigh
27603-8005 (919)733-7081

*North Carolina State Government Statistical
Abstract*. 1984. 5th ed. 575 pp.

*Profile, North Carolina Counties Update,
1987*. 55 pp.

North Dakota

University of North Dakota, Bureau of Busi-
ness and Economic Research, Grand
Forks 58202 (701)777-2637

The Statistical Abstract of North Dakota.
1988. 700 pp.

Economic Development Commission, Liberty
Memorial Bldg., Bismarck 58505
(701)224-2810

North Dakota Economic Data Book. 1988.
100 pp.

Ohio

Department of Development, Ohio Data
Users Center (ODUC), P.O. Box 1001,
Columbus 43266-0101 (614)466-2115

ODUC Products and Services. (Updated
continuously.)

Ohio County Profiles.

Oklahoma

University of Oklahoma, Center for Economic
and Management Research, 307 West
Brooks Street, Room 4, Norman 73019
(405)326-2931

Statistical Abstract of Oklahoma, 1988.
Annual. 600 pp.

Oregon

Secretary of State, State Capitol, Salem
97310

Oregon Blue Book, 1987-1988. Biennial.
468 pp.

Pennsylvania

Pennsylvania State Data Center, Pennsylv-
ania State University at Harrisburg, Middle-
ton 16807, in cooperation with the Penn-
sylvania Department of Commerce

Pennsylvania Statistical Abstract, 1987.
25th ed. 1987. 262 pp.

Rhode Island

Department of Economic Development, 7
Jackson Walkway, Providence 02903

Rhode Island Basic Economic Statistics.
1987. 145 pp.

South Carolina

Budget and Control Board, Division of Re-
search and Statistical Services, R. C.
Dennis Building, Room 425, Columbia
29201 (803)734-3788

*South Carolina Statistical Abstract, 1987-
88*. 460 pp.

South Dakota

University of South Dakota, Business Re-
search Bureau, Vermillion 57069
(605)677-5287

*Handbook of Manpower Statistics for South
Dakota*. 294 pp.

1988 South Dakota Community Abstracts.
400 pp.

Tennessee

University of Tennessee, Center for Business
and Economic Research, Knoxville
37996-4170 (615)974-5441

Tennessee Statistical Abstract, 1989. 11th
ed. 700 pp. (Annual.)

Texas

Dallas Morning News, Communications
Center, P.O. Box 655237, Dallas 75265
(214)977-8261

Texas Almanac, 1988-1989. 1987. 640 pp.

University of Texas, Bureau of Business Re-
search, Austin 78712 (512)471-5180

Texas Fact Book, 1989. 6th ed. 250 pp.

Utah

University of Utah, Bureau of Economic and
Business Research, 401 Kendall D. Garff
Building, Salt Lake City 84112 (801)581-
6333

1987 Statistical Abstract of Utah, 1987.
(Triennial.)

Utah Foundation, 308 Continental Bank Build-
ing, Salt Lake City 84101

Statistical Review of Government in Utah.
1988. 101 pp. (1989 edition to be issued
in April 1989.)

Vermont

Office of Policy Research and Coordination,
Department of Employment and Training,
Montpelier 05602 (802)229-0311 ext. 323

Demographic and Economic Profiles. (Peri-
odically issued.)

Virginia

University of Virginia, Center for Public Service, Dynamics Building, 4th Floor, 2015 Ivy Road, Charlottesville 22903 (804)971-2661

Virginia Statistical Abstract, 1987. Biennial. 800 pp.

Washington

Washington State Office of Financial Management, Insurance Building M. S. AQ-44, Olympia 98504 (206)753-5817

Washington State Data Book, 1987. 300 pp.

Washington Research Council, 908 South Columbia, Suite 350, Olympia 98501 (206)357-6643

How Washington Compares: State and Local Revenue and Expenditures. July 1988. 160 pp.

West Virginia

West Virginia Chamber of Commerce, P.O. Box 2789, Charleston 25330 (304)342-1115

West Virginia: Economic-Statistical Profile, 1987-1988. Biennial. 750 pp.

West Virginia Research League, Inc., 405 Capitol Street, Suite 414, Charleston 25301 (304)348-9451

Economic Indicators. 1989. 110 pp.

The 1987 Statistical Handbook. 86 pp.

Wisconsin

Wisconsin Legislative Reference Bureau, State Capitol, Madison 53702 (608)266-0341

1987-1988 Wisconsin Blue Book. 1,000 pp. (Biennial.)

Wyoming

Department of Administration and Fiscal Control, Division of Research and Statistics, 302 Emerson Building, Cheyenne 82002 (307)777-7504

Wyoming Data Handbook, 1987. 186 pp.

Puerto Rico

Planning Board, Area of Social and Economic Planning, Bureau of Economic Analysis, Bureau of Statistics and Bureau of Human Resources, Santurce 00940

Economic Report to the Governor, 1986. (In Spanish.)

Historic Series of Employment, Unemployment and Labor Force, 1984. 202 pp. (In Spanish.)

Social Statistics Abstract, 1984. 184 pp. (In Spanish.)

Guide to Foreign Statistical Abstracts

This bibliography presents recent statistical abstracts for Mexico, the Soviet Union, and member nations of the Organization for Economic Cooperation and Development. All sources contain statistical tables on a variety of subjects for the individual countries. Many of the following publications provide text in English as well as in the national language(s). For further information on these publications, contact the named statistical agency which is responsible for editing the publication.

Austria

Osterreichisches Statistisches Zentralamt,
P.O. Box 9000, A-1033 Vienna

Statistisches Handbuch für die Republik Österreich. 1987. Annual. 690 pp. (In German.)

Australia

Australian Bureau of Statistics, Canberra

Yearbook Australia. 1986. Annual. 705 pp.
(In English.)

Belgium

Institut National de Statistique, 44 rue de Louvain, 1000 Brussels

Annuaire statistique de la Belgique. 1983. Annual. 783 pp. (In French and Dutch.)

Canada

Statistics Canada, Ottawa, Ontario, KIA OT6

Canada Yearbook: A review of economic, social and political developments in Canada. 1986. Irregular. (In English and French.)

Denmark

Danmarks Statistik, Postboks 2550 Sejrøgade 11, DK 2100, Copenhagen O

Statistical Yearbook. 1987. Annual. 516 pp.
(In Danish with English translations of table headings.)

Finland

Central Statistical Office of Finland, Box 504 SF-00101 Helsinki

Statistical Yearbook of Finland. 1987. Annual. 557 pp. (In English, Finnish, and Swedish.)

France

Institut National de la Statistique et des Etudes Economiques, Paris 18, Bld. Adolphe Pinard, 75675 Paris (Cedex 14)

Annuaire Statistique de la France. 1987. Annual. 888 pp. (plus 48 pages Liste des Tableaux). (In French.)

Greece

National Statistical Office, 14-16 Lycourgou St., 101-66 Athens

Statistical Yearbook of Greece. 1986. Annual. 473 pp. (plus 7 pages of diagrams). (In English and Greek.)

Iceland

Hagstofa Islands/Statistical Bureau, Hverfisgata 8-10, Reykjavik

Statistical Abstract of Iceland. 1984. Irregular. 286 pp. (In English and Icelandic.)

Ireland

Central Statistics Office, Earlsfort Terrace, Dublin 2

Statistical Abstract. 1982-85. Annual. 410 pp. (In English.)

Italy

ISTAT (Istituto Centrale di Statistica), Via Cesare Balbo 16, 00100 Rome

Annuario Statistico Italiano. 1987. Annual. 715 pp. (In Italian.)

Japan

Statistics Bureau, Management & Coordination Agency, 19-1 Wakamatsucho, Shinjuku Tokyo 162

Japan Statistical Yearbook. 1987. Annual. 836 pp. (In English and Japanese.)

Luxembourg

STATEC (Service Central de la Statistique et des Etudes), P.O. Box 304, L-2013, Luxembourg

Annuaire Statistique. 1987-88. Annual. 529 pp. (In French.)

Mexico

Instituto Nacional de Estadística Geografía e Informática, Avda. Insurgentes Sur No. 795-PH Col. Napoles, Del. Benito Juárez 03810 Mexico, D.F.

Anuario estadístico de los Estados Unidos Mexicanos. 1986. Annual. 706 pp. (In Spanish.)

Netherlands

Centraal Bureau voor de Statistiek. 428
Prinses Beatrixlaan P.O. Box 959, 2270
AZ Voorburg

Statistical Yearbook of the Netherlands.
1987. Annual. 425 pp. (In English.)

New Zealand

Department of Statistics, Wellington

New Zealand Official Yearbook. 1986-87.
Annual. 1,074 pp. (In English.)

Norway

Central Bureau of Statistics, Skippergate 15,
P.B. 8131 Dep. N-Oslo 1

Statistical Yearbook. 1987. Annual. 512 pp.
(In English and Norwegian.)

Portugal

INE (Instituto Nacional de Estatística), Aven-
ida Antonio Jose de Almeida, P-1078
Lisbon Codex

*Anuario Estatístico: Continente, Acores e
Madeira.* 1987. Annual. 339 pp. (In
French and Portuguese.)

Soviet Union

Central Statistical Board, Moscow

*Narodnoe Khoziaistvo SSSR: Statisticheskii
ezhegodnik.* 1987. Annual. 767 pp. (In
Russian.)

Spain

INE (Instituto Nacional de Estadística), Paseo
de la Castellana, 183, Madrid 16

Anuario Estadístico de España. 1987.
Annual. 929 pp. (In Spanish.)

Anuario Estadístico. 1988. (Edición
Manual.) 976 pp.

Sweden

Statistics Sweden, S-11581 Stockholm

Statistical Abstract of Sweden. 1988.
Annual. 561 pp. (In English and Swed-
ish.)

Switzerland

Bundesamt für Statistik, Hallwylstrasse 15,
CH-3003, Bern

Statistisches Jahrbuch der Schweiz. 1986.
Annual. 658 pp. (In French and German.)

Turkey

State Institute of Statistics, Prime Ministry,
114 Necatibey Caddesi, Bakanliklar,
Yenisehir, Ankara

Statistical Yearbook of Turkey. 1987. Pub-
lished on odd numbered years. 479 pp.
(In English and Turkish.)

Statistical Pocketbook of Turkey. 1988.
Published on even numbered years. 294
pp. (In English and Turkish.)

United Kingdom

Central Statistical Office, Great George
Street, London SW1P 3AQ

Annual Abstract of Statistics. 1987. Annual.
340 pp. (In English.)

West Germany

Statistische Bundesamt, Postfach 5528, 6200
Wiesbaden

*Statistisches Jahrbuch für die Bundesre-
publik Deutschland.* 1987. Annual. 788
pp. (In German.)

Yugoslavia

Savezni Zavod za Statistiku, P.O. Box 203,
11000 Belgrade

Statisticki Godisnjak Jugoslavije. 1987.
Annual. 800 pp. (In Serbo-Croatian with
English, French, and Russian translations
of table headings.)



Appendix II

Metropolitan Area Concepts and Components and Population of Metropolitan Statistical Areas

Statistics for metropolitan areas shown in the *Statistical Abstract* represent areas designated by the U.S. Office of Management and Budget (OMB) as standard metropolitan statistical areas (SMSA's) or metropolitan statistical areas (MSA's). Effective June 30, 1983, OMB changed the basic term from SMSA to MSA and revised the geographic definitions of many individual metropolitan areas; some new areas were defined, and some areas were redesignated as PMSA's or CMSA's (see further explanation below). The revised definitions appear in OMB press release 83-20 of June 27, 1983. The official standards for defining MSA's appeared in the Federal Register, January 3, 1980 (part 6). Revisions of MSA definitions are made periodically by OMB, mainly to add newly qualified MSA's or central cities.

The list of areas which follows (see p. 893) specifies components and population totals and refers to the definitions in effect on June 30, 1988. On that date, there were 266 MSA's, as well as 21 CMSA's comprising 73 PMSA's (including 4 MSA's, 1 CMSA, and 2 PMSA's in Puerto Rico). The figures in tables A, B, and C below (see pp. 891 and 892), exclude the areas in Puerto Rico.

The general concept of a metropolitan area is one of a large population nucleus, together with adjacent communities which have a high degree of economic and social integration with that nucleus. Standard definitions of metropolitan statistical areas were first issued in 1949 by the then Bureau of the Budget (predecessor of OMB), under the designation, "Standard Metropolitan Areas". The term was changed to SMSA in 1959. From 1977 to 1981, the SMSA's were the responsibility of the Office of Federal Statistical Policy and Standards, Department of Commerce.

The criteria for the establishment and definition of SMSA's were modified in 1968, 1971, and 1975. The current standards were adopted in January 1980; they provide that each MSA must include at least:

- (a) One city with 50,000 or more inhabitants, or
- (b) A Census Bureau-defined urbanized area of at least 50,000 inhabitants and a total MSA population of at least 100,000 (75,000 in New England).

The standards provide that the MSA include as "central county(ies)" the county in which the central city is located, and adjacent counties, if any, with at least 50 percent of their population in the urbanized area. Additional "outlying counties" are included if they meet specified requirements of commuting to the central counties and of metropolitan character (such as population density and percent urban). In New England the MSA's are defined in terms of cities and towns rather than counties.

The 1980 standards provide that within metropolitan complexes of 1 million or more population, separate component areas are defined if specified criteria are met. Such areas are designated primary metropolitan statistical areas (PMSA's), and any area containing PMSA's is designated a consolidated metropolitan statistical area (CMSA). Besides the 21 CMSA's, there are 17 MSA's of 1 million or more in 1987 within which no component PMSA's are established. Of the 73 PMSA's, most were formerly SMSA's, but some were newly established in 1983.

Of the 21 CMSA's most were previously recognized as standard consolidated statistical areas (SCSA's), but 5 were formerly SMSA's within which PMSA's were newly qualified in 1983.

The standards adopted in 1980 were implemented in two stages. First, they were used to define a group of 36 new areas in June 1981. The 323 SMSA's as of June 30, 1981 were reported in the 1980 census tabulations and publications. Next, the boundaries of all SMSA's were reviewed in 1982-83 under the new standards after 1980 commuting data became available.

Revised 1980 standards for determining central cities and titles were implemented as part of the 1982-83 review. The largest city in each MSA is designated a "central city"; in addition there may be additional central cities if specified requirements are met. The title of each MSA consists of the name(s) of up to three of its central cities and the name of each State into which the MSA extends. However, a central city generally is not included in an MSA title unless it has at least one-third the population of the area's largest city. Prior to 1983, virtually all central cities appeared in area titles. An MSA may include other cities of 50,000 or more besides its central or title cities.

One report relating to the new MSA definitions has been published as *1980 Census of Population, Supplementary Report, Metropolitan Statistical Areas* (PC80-S1-18). The *State and Metropolitan Area Data Book, 1988* presents 298 data items for metropolitan areas from a wide variety of sources (see inside back cover).

New England MSA's and NECMA's.—Because MSA's in New England are defined in terms of cities and towns rather than counties, some statistical data that are available only for counties cannot be compiled for individual New England MSA's. Therefore, for New England areas, data are shown for both New England County Metropolitan Areas (NECMA's) and MSA's wherever possible. The NECMA's provide a county version of the New England areas, but do not replace New England MSA's as the standard areas. NECMA's are defined corresponding to the 3 CMSA's in New England and for the portion of the New York-Northern New Jersey-Long Island CMSA in Connecticut. There are no NECMA definitions corresponding to New England PMSA's.

Effect of changes in MSA definitions.—Changes in the definitions of MSA's since 1949 have consisted chiefly of (1) the recognition of new areas as, for example, cities reached 50,000 population; and (2) the addition of counties (or towns in New England) to existing MSA's as new census data showed them to qualify. Also, several formerly separate MSA's have been merged, and occasionally territory has been transferred from one MSA to another or from an MSA to nonmetropolitan territory. Comparisons of MSA figures over time may be affected in cases where the MSA definitions were changed. To maintain comparability, data for an earlier period have been revised in this volume where possible, to reflect the MSA boundaries of the more recent period. However, this could not always be done; for data based on a sample survey, in particular, it is usually not possible to revise the data to reflect changes in MSA definitions that occurred after the survey was made.

In tables A, B, and C that follow, data are given for MSA's as defined for specified dates, thereby indicating the extent of change in population and land area resulting from revisions in definitions.

TABLE A. NUMBER, POPULATION, AND LAND AREA OF MSA'S AS DEFINED AT SPECIFIED DATES FROM 1950 TO 1988

[The differences in population shown here for each year within each column of the table result entirely from net expansion of metropolitan territory through changes in the MSA definitions. The differences in population shown for each MSA definition (on the successive lines of the table) result entirely from population changes within that territory, unaffected by changes in MSA definitions. The changes in 1980 land area result entirely from net expansion of MSA territory. All data include Alaska and Hawaii and exclude Puerto Rico. Subtraction of any line of the table from the line below will show the net effect of change in population and land area undergone by the MSA's as the result of changes in definitions between the specified dates. Such changes typically occurred throughout the period, not on any single date, and may have included reductions in, as well as additions to, MSA territory. Census population data for 1970 include corrections made since publication. The area data for the 1950, 1960, and 1970 census definitions of MSA's differ from the data published in those censuses because of subsequent remeasurement of land areas and changes in inland water area occurring up to 1980]

MSA DEFINITION AS OF—	Num- ber of MSA's	POPULATION					Land area, 1980 (sq. mi.)
		1950, Apr. 1	1960, Apr. 1	1970, Apr. 1	1980, Apr. 1	1987, July 1	
1950 census (Mar. 1952).....	169	¹ 84,853,700	106,344,548	122,184,836	126,839,422	137,121,466	207,146
1960 census (Nov. 1960).....	212	69,316,903	² 112,865,139	130,962,661	140,793,427	151,069,104	309,112
1964 (Aug. 31) ³	217	91,644,166	115,876,343	134,700,911	145,503,853	156,492,710	348,661
1968 (Jan. 31) ⁴	230	93,629,966	118,413,604	137,976,252	149,811,057	161,436,835	377,581
1970 census (Feb. 28, 1971).....	243	94,579,006	⁵ 119,593,498	⁶ 139,479,806	151,662,221	163,524,645	386,886
1974 (Apr. 30) ⁷	265	⁸ 100,219,707	⁹ 126,613,710	148,196,903	162,753,335	176,224,511	491,249
1977 (Dec. 31) ¹⁰	277	101,109,145	127,674,818	149,482,664	164,383,496	178,045,602	510,581
1980 census (June 30, 1981) ¹¹	316	104,172,653	131,318,714	153,693,767	169,430,623	183,566,954	566,157
1983 (June 30).....	¹² 275	105,214,468	132,634,375	155,410,542	171,776,970	186,271,839	560,900
1984 (Oct. 12).....	¹² 277	105,269,586	132,706,135	155,519,340	171,955,900	186,510,661	564,906
1986 (June 30).....	¹² 280	105,411,428	132,867,134	155,700,823	172,169,466	186,666,500	570,933
1986 (June 30).....	¹² 281	105,481,211	132,977,580	155,806,452	172,304,016	186,809,955	572,871
1987 (June 30) ¹³	¹² 281	105,502,909	133,003,445	155,832,688	172,334,547	186,840,747	573,412
1988 (June 30).....	¹² 282	105,562,961	133,066,400	155,937,275	172,454,948	187,071,961	574,679

¹ Corresponds to total MSA population for 1950 published in 1950 census (84,500,680) plus Honolulu MSA. ² Corresponds to total MSA population for 1960 published in 1960 census (112,865,176), corrected by subtracting population (39) erroneously included in Franklin County, Ohio (Columbus MSA). ³ MSA's as defined for the 1963 economic censuses. ⁴ MSA's as defined for the 1967 economic censuses. ⁵ Corresponds to total 1960 population for 1970 MSA's published in 1970 census (119,594,754), corrected by subtracting 1,256 population from Lawrence-Haverhill MSA; this represented an addition to the 1960 population of Andover town made subsequent to the original census tabulations, and therefore not reflected in State or national totals. ⁶ Corresponds to total MSA population for 1970 published in 1970 census (139,418,811), plus net corrections made subsequent to publication. ⁷ MSA's as defined for the 1972 economic censuses. ⁸ Includes estimated 1950 population (32,060) of Anchorage Census Division, as defined in 1970. ⁹ Includes 1960 population (82,833) of Anchorage Census Division, as defined in 1970. ¹⁰ MSA's as defined for the 1977 economic censuses. ¹¹ MSA's as defined for the 1982 economic censuses. ¹² MSA's and CMSA's. ¹³ MSA's as defined for the 1987 economic censuses.

TABLE B. NONMETROPOLITAN POPULATION AND LAND AREA AS DEFINED AT SPECIFIED DATES FROM 1950 TO 1988

[See headnote for table A, p. 891. Nonmetropolitan population and land area are equivalent to that portion of the total national population and land area not included within MSA's at the dates specified]

MSA DEFINITION AS OF—	POPULATION					Land area, 1988 (sq. mi.)
	1950, Apr. 1	1960, Apr. 1	1970, Apr. 1	1980, Apr. 1	1987, July 1	
1950 census (Mar. 1952).....	66,472,098	72,978,627	81,117,196	97,706,363	106,274,510	3,332,143
1960 census (Nov. 1960).....	62,008,896	66,436,036	72,319,370	86,752,378	92,306,892	3,230,177
1984 (Aug. 31).....	59,861,810	63,446,832	68,001,120	81,041,942	86,903,286	3,180,428
1988 (Jan. 31).....	57,695,812	60,909,571	65,325,779	76,734,748	81,957,161	3,161,709
1970 census (Feb. 28, 1971).....	56,748,790	59,729,677	63,822,225	74,883,984	79,671,361	3,152,409
1974 (Apr. 30).....	51,016,091	52,709,486	55,103,038	63,792,470	67,171,466	3,046,040
1977 (Dec. 31).....	50,216,663	51,648,357	53,619,367	62,182,309	65,350,394	3,026,708
1980 census (June 30, 1981).....	47,152,945	48,004,461	49,806,264	57,115,182	59,830,042	2,973,132
1983 (June 30).....	46,111,330	46,886,800	47,891,489	54,766,835	57,124,358	2,978,388
1984 (Oct. 12).....	46,056,213	46,815,040	47,782,891	54,589,906	56,885,336	2,974,391
1985 (June 30).....	45,914,370	46,436,041	47,601,208	54,376,349	56,727,496	2,968,368
1986 (June 30).....	45,844,567	46,345,895	47,496,579	54,241,769	56,486,041	2,966,416
1987 (June 30).....	45,822,889	46,319,730	47,469,343	54,211,256	56,455,249	2,965,877
1988 (June 30).....	45,742,637	46,234,775	47,364,756	54,090,857	56,324,015	2,964,610

TABLE C. PERCENT OF TOTAL U.S. POPULATION AND PERCENT OF LAND AREA INSIDE MSA'S AS DEFINED AT SPECIFIED DATES FROM 1950 TO 1988

[See headnote for table A, p. 891]

MSA DEFINITION AS OF—	PERCENT OF POPULATION					Percent of land area, 1988
	1950, Apr. 1	1960, Apr. 1	1970, Apr. 1	1980, Apr. 1	1987, July 1	
1950 census (Mar. 1952).....	56.1	59.3	60.1	56.9	55.3	8.9
1960 census (Nov. 1960).....	59.0	63.0	64.4	62.2	62.1	8.7
1984 (Aug. 31).....	60.6	64.6	66.3	64.2	64.3	8.9
1988 (Jan. 31).....	61.9	66.0	67.9	66.1	66.3	10.7
1970 census (Feb. 28, 1971).....	62.5	66.7	66.6	67.0	67.2	10.9
1974 (Apr. 30).....	66.2	70.6	72.9	71.9	72.4	13.9
1977 (Dec. 31).....	66.6	71.2	73.5	72.6	73.2	14.4
1980 census (June 30, 1981).....	66.6	73.2	76.6	74.8	76.4	18.0
1983 (June 30).....	66.6	74.0	76.4	75.6	76.6	15.8
1984 (Oct. 12).....	66.6	74.0	76.5	75.9	76.6	16.0
1985 (June 30).....	66.7	74.1	76.6	76.6	76.7	16.1
1986 (June 30).....	66.7	74.2	76.6	76.1	76.6	16.2
1987 (June 30).....	66.7	74.2	76.7	76.1	76.6	16.2
1988 (June 30).....	66.8	74.2	76.7	76.1	76.6	16.2

Source of tables B and C: U.S. Bureau of the Census, 1950-1970, *U.S. Census of Population*, vol. 1; 1980 *Census of Population*, vol. 1, chapters A and B, and *Supplementary Report, Metropolitan Statistical Areas*, (PC80-51-18), and *Current Population Reports*, series P-28, No. 87-A.

New England County Metropolitan Areas (NECMA'S)

	1987 Popu- lation ¹ (1,000)		1987 Popu- lation ¹ (1,000)		1987 Popu- lation ¹ (1,000)
Bangor, ME.....	139	Lewiston-Auburn, ME.....	101	Portsmouth-Dover- Rochester, NH.....	328
Penobscot County.....	139	Androscoggin County.....	101	Rockingham County.....	229
Boston-Lawrence-Salem- Lowell-Brockton, MA.....	3,729	Manchester-Nashua, NH.....	323	Stafford County.....	87
Essex County.....	861	Hillsborough County.....	323		
Middlesex County.....	1,374	New Bedford-Fall River- Attleboro, MA.....	479	Providence-Pawtucket- Woonsocket, RI.....	991
Norfolk County.....	810	Bristol County.....	479	Bristol County.....	49
Plymouth County.....	427			Kent County.....	180
Suffolk County.....	667	New Haven-Waterbury- Meriden, CT.....	767	Providence County.....	691
Bridgeport-Stamford- Norwalk-Danbury, CT.....	818	New Haven County.....	767	Washington County.....	103
Fairfield County.....	818				
Burlington, VT.....	128	New London-Norwich, CT.....	247	Springfield, MA.....	696
Chittenden County.....	127	New London County.....	247	Hampden County.....	446
Grand Isle County.....	6			Hampshire County.....	140
Hartford-New Britain- Middletown-Bristol, CT.....	1,896	Pittsfield, MA.....	140		
Hartford County.....	867	Berkshire County.....	140	Worcester-Fitchburg- Lowell, MA.....	696
Middlesex County.....	196	Portland, ME.....	239	Worcester County.....	696
Tolland County.....	123	Cumberland County.....	233		

¹As of July 1.Source: U.S. Bureau of the Census, *Current Population Reports*, series P-28, No. 87-A, press release (C89-157) and unpublished

APPENDIX II

Metropolitan Statistical Areas and their Components as of June 30, 1988

[Population estimated as of July 1, 1987. All MSA's are arranged alphabetically.
For relationship of PMSA's to their CMSA's, see CMSA entry]

	1987 Popu- lation (1,000)		1987 Popu- lation (1,000)		1987 Popu- lation (1,000)
Abilene, TX MSA	123	Albany, GA MSA	117	Bellingham, WA MSA	116
Taylor County	123	Dougherty County	102	Whitcom County	115
		Lee County	15		
Albion, OH PMSA	647	Albany-Schenectady-Troy, NY MSA	846	Benton Harbor, MI MSA	166
Portage County	136	Albany County	263	Berrien County	165
Summit County	509	Greene County	42		
		Montgomery County	52	Bergen-Passaic, NJ PMSA	1,294
		Rensselaer County	151	Bergen County	830
		Saratoga County	168	Passaic County	464
		Schenectady County	150		
				Billings, MT MSA	116
Albuquerque, NM MSA	486	Albany, GA MSA	117	Yellowstone County	116
Bernalillo County	486				
		Albany, GA MSA	117	Boardman, ME MSA	266
Alexandria, LA MSA	140			Hancock County	33
Rapides Parish	140			Harrison County	173
Allentown-Bethlehem, PA- NJ MSA	666			Binghamton, NY MSA	380
Carbon County, PA	55			Broome County	209
Lehigh County, PA	286			Tioga County	51
Northampton County, PA	239				
Warren County, NJ	87			Birmingham, AL MSA	917
				Blount County	39
Altoona, PA MSA	132			Jefferson County	678
Blair County	132			St. Clair County	48
				Shelby County	63
Amarillo, TX MSA	197			Walker County	66
Potter County	105				
Randall County	92			Bismarck, ND MSA	86
				Burleigh County	80
Anaheim-Santa Ana, CA PMSA	2,219			Deerfield County	26
Orange County	2,219				
				Bloomington, IN MSA	104
Anchorage, AK MSA	223			Monroe County	104
Anchorage Borough	223				
				Bloomington-Normal, IL MSA	124
Anderson, IN MSA	133			McLean County	124
Madison County	133				
				Boise City, ID MSA	186
Anderson, SC MSA	141			Ada County	186
Anderson County	141				
				Boston, MA PMSA	2,642
Ann Arbor, MI PMSA	260			Bristol County (pt.)	36
Washtenaw County	260			Essex County (pt.)	120
				Middlesex County (pt.)	1,120
Anniston, AL MSA	122			Norfolk County (pt.)	590
Calhoun County	122			Plymouth County (pt.)	231
				Suffolk County	867
Appleton-Oshkosh-Neenah, WI MSA	363			Worcester County (pt.)	67
Calumet County	37				
Outagamie County	136			Boston-Lawrence-Salem, MA-NH CMSA	4,883
Winnebago County	137			Boston, MA PMSA	2,642
				Brockton, MA PMSA	165
Asheville, NC MSA	171			Lawrence-Haverhill, MA- NH PMSA	375
Buncombe County	171			Lowell, MA-NH PMSA	260
				Nashua, NH PMSA	172
Athens, GA MSA	143			Salem-Gloucester, MA PMSA	258
Clarke County	78				
Jackson County	29			Boulder-Longmont, CO PMSA	217
Madison County	20			Boulder County	217
Oconee County	15				
				Bradenton, FL MSA	104
Atlanta, GA MSA	2,857			Manatee County	184
Barrow County	26				
Bolton County	16			Brazoria, TX PMSA	167
Cherokee County	81			Brazoria County	167
Clayton County	169				
Cobb County	409			Bremerton, WA MSA	174
Coweta County	46			Knap County	174
De Kalb County	539				
Douglas County	71				
Fayette County	52				
Forsyth County	40				
Fulton County	639				
Gwinnett County	302				
Henry County	50				
Newton County	42				
Paulding County	34				
Rockdale County	50				
Spalding County	54				
Walton County	36				
Atlantic City, NJ MSA	369				
Atlantic County	209				
Cape May County	94				
Augusta, GA-SC MSA	362				
Columbia County, GA	60				
McDuffie County, GA	20				
Richmond County, GA	183				
Alcon County, SC	120				
Aurora-Elgin, IL PMSA	362				
Kane County	315				
Kendall County	38				
Austin, TX MSA	738				
Hays County	64				
Travis County	552				
Williamson County	122				
Bakersfield, CA MSA	506				
Kern County	506				
Baltimore, MD MSA	2,303				
Anne Arundel County	413				
Baltimore County	678				
Carroll County	116				
Harford County	164				
Howard County	157				
Queen Anne's County	31				
Baltimore city	748				
Bangor, ME MSA	84				
Penobscot County (pt.)	61				
Waldo County (pt.)	3				
Baton Rouge, LA MSA	538				
Ascension Parish	59				
East Baton Rouge Parish	366				
Livingston Parish	73				
West Baton Rouge Parish	21				
Battle Creek, MI MSA	136				
Calhoun County	136				
Beaumont-Port Arthur, TX MSA	371				
Hardin County	42				
Jefferson County	244				
Orange County	65				
Beaver County, PA PMSA	191				
Beaver County	191				

[See heading, p. 888]

	1987 Popu- lation (1,000)		1987 Popu- lation (1,000)		1987 Popu- lation (1,000)
Bridgport-Milford, CT PMSA	444	Chicago, IL PMSA	5,188	Elk County	80
Fairfield County (pt.)	334	Cook County	5,288	Kaufman County	54
New Haven County (pt.)	109	Du Page County	743	Rockwell County	28
Bristol, CT PMSA	78	McHenry County	187	Dallas-Fort Worth, TX CMSA	2,728
Hartford County (pt.)	87	Chicago-Gary-Lake County (IL), IL-IN-WI CMSA	5,147	Dallas, TX PMSA	2,458
Litchfield County (pt.)	11	Aurora-Elgin, IL PMSA	352	Fort Worth-Arlington, TX PMSA	1,289
Brockton, MA PMSA	185	Chicago, IL PMSA	5,198	Danbury, CT PMSA	188
Bristol County (pt.)	19	Gary-Hammond, IN PMSA	804	Fairfield County (pt.)	185
Norfolk County (pt.)	5	Joliet, IL PMSA	377	Litchfield County (pt.)	24
Plymouth County (pt.)	161	Kenosha, WI PMSA	120	Danville, VA MSA	188
Brownsville-Harlingen, TX MSA	284	Lake County, IL PMSA	484	Pittsylvania County	85
Cameron County	284	Chico, CA MSA	188	Danville city	44
Bryan-College Station, TX MSA	118	Butte County	188	Devenport-Rock Island- Moline, IA-IL MSA	387
Brazos County	118	Cincinnati, OH-KY-IN PMSA	1,438	Moline, IA-IL MSA	158
Buffalo, NY PMSA	958	Clermont County, OH	144	Scott County, IA	54
Erie County	958	Hamilton County, OH	874	Henry County, IL	157
Buffalo-Niagara Falls, NY CMSA	1,176	Warren County, OH	108	Rock Island County, IL	157
Buffalo, NY PMSA	958	Boone County, KY	54	Dayton-Springfield, OH MSA	838
Niagara Falls, NY PMSA	216	Campbell County, KY	82	Clerk County	147
Burlington, NC MSA	105	Kenton County, KY	138	Greene County	132
Albemarle County	105	Osborn County, IN	38	Miami County	80
Burlington, VT MSA	127	Cincinnati-Hamilton, OH- KY-IN CMSA	1,716	Montgomery County	988
Chittenden County (pt.)	120	Cincinnati, OH-KY-IN PMSA	1,438	Daytona Beach, FL MSA	382
Franklin County (pt.)	9	Hamilton-Middletown, OH PMSA	278	Volusia County	332
Grand Isle County (pt.)	3	Clarksville-Hopkinsville, TN-KY MSA	167	Decatur, AL MSA	131
Canton, OH MSA	387	Montgomery County, TN	84	Lawrence County	31
Carroll County	27	Christian County, KY	83	Morgan County	100
Stark County	370	Cleveland, OH PMSA	1,881	Decatur, IL MSA	135
Casper, WY MSA	87	Cuyahoga County	1,443	Macon County	125
Natrona County	87	Geauga County	77	Denver, CO PMSA	1,848
Cedar Rapids, IA MSA	170	Lake County	214	Adams County	288
Linn County	170	Madison County	117	Arapahoe County	387
Champaign-Urbana-Rantoul, IL MSA	173	Cleveland-Akron-Lorain, OH CMSA	2,787	Denver County	501
Champaign County	173	Akron, OH PMSA	847	Douglas County	49
Charleston, SC MSA	802	Cleveland, OH PMSA	1,851	Jefferson County	433
Berkley County	130	Lorain-Elyria, OH PMSA	288	Denver-Boulder, CO CMSA	1,881
Charleston County	293	Colorado Springs, CO MSA	388	Boulder-Longmont, CO PMSA	217
Dorchester County	79	El Paso County	380	Denver, CO PMSA	1,848
Charleston, WV MSA	381	Columbia, MO MSA	107	Des Moines, IA MSA	386
Kanawha County	220	Boone County	107	Dallas County	30
Putnam County	41	Columbia, SC MSA	481	Folk County	318
Charlotte-Gastonia-Rock Hill, NC-SC MSA	1,881	Lexington County	188	Warren County	38
Cabernus County, NC	84	Richland County	282	Detroit, MI PMSA	4,382
Gaston County, NC	173	Columbus, GA-AL MSA	248	Lapeer County	72
Lincoln County, NC	47	Chattahoochee County, GA	17	Livingston County	108
Mecklenburg County, NC	488	Muscogee County, GA	178	Macomb County	707
Rowan County, NC	105	Russell County, AL	51	Monroe County	134
Union County, NC	82	Columbus, OH MSA	1,338	Oakland County	1,044
York County, SC	124	Delaware County	80	St. Clair County	142
Charlottesville, VA MSA	128	Fairfield County	98	Wayne County	2,152
Albemarle County	82	Franklin County	922	Detroit-Ann Arbor, MI CMSA	4,888
Fluvanna County	12	Licking County	125	Ann Arbor, MI PMSA	388
Greene County	9	Madison County	38	Detroit, MI PMSA	4,382
Charlottesville city	41	Pickaway County	48	Dothan, AL MSA	138
Chattanooga, TN-GA MSA	432	Union County	32	Dale County	48
Hamilton County, TN	287	Corpus Christi, TX MSA	388	Houston County	80
Marion County, TN	25	Nueces County	288	Dubuque, IA MSA	91
Sequatchie County, TN	8	San Patricio County	81	Dubuque County	91
Catoosa County, GA	40	Cumberland, MD-WV MSA	182	Duluth, MN-WI MSA	342
Dade County, GA	12	Allegany County, MD	75	St. Louis County, MN	200
Walker County, GA	57	Mineral County, WV	27	Douglas County, WI	42
Cheyenne, WY MSA	78	Dallas, TX PMSA	2,488	Eau Claire, WI MSA	127
Laramie County	78	Collin County	219	Chippewa County	54
		Dallas County	1,852	Eau Claire County	84
		Denton County	225		

Metropolitan Statistical Areas

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(See heading, p. 889)

	1987 Popu- lation (1,000)		1987 Popu- lation (1,000)		1987 Popu- lation (1,000)
El Paso, TX MSA	673	Fort Worth-Arlington, TX		Middletown, CT PMSA	65
El Paso County	673	PMSA	1,389	New Britain, CT PMSA	147
Elkhart-Goshen, IN MSA	198	Johnson County	85	Hickory, NC MSA	219
Elkhart County	190	Parker County	65	Alexander County	27
Elmira, NY MSA	89	Tarrant County	1,110	Burke County	76
Chemung County	80	Fresno, CA MSA	597	Catawba County	119
Enid, OK MSA	69	Fresno County	597	Honolulu, HI MSA	391
Garfield County	60	Gadsden, AL MSA	189	Honolulu County	391
Erie, PA MSA	279	Etowah County	103	Hayma-Thibodaux, LA MSA ..	195
Erie County	279	Gainesville, FL MSA	285	Lafourche Parish	65
Eugene-Springfield, OR		Alachua County	180	Terrebonne Parish	60
MSA	396	Bradford County	25	Houston, TX PMSA	3,239
Lane County	396	Galveston-Texas City, TX		Fort Bend County	189
Evansville, IN-KY MSA	251	PMSA	211	Harris County	2,794
Posey County, IN	29	Galveston County	211	Liberty County	54
Vanderburgh County, IN	167	Gary-Hammond, IN PMSA	694	Montgomery County	199
Warrick County, IN	49	Lake County	491	Walker County	23
Henderson County, KY	42	Porter County	123	Houston-Galveston-	
Fall River, MA-RI PMSA	199	Glens Falls, NY MSA	112	Brasoria, TX CMSA	3,239
Bristol County, MA (pt.)	135	Warren County	85	Brasoria, TX PMSA	167
Newport County, RI (pt.)	19	Washington County	88	Galveston-Texas City, TX	
Fargo-Moorhead, ND-MN		Grand Forks, ND MSA	79	PMSA	211
MSA	147	Grand Forks County	79	Houston, TX PMSA	3,239
Cass County, ND	89	Grand Rapids, MI MSA	597	Huntington-Ashland,	
Clay County, MN	46	Kent County	492	WV-KY-OH MSA	329
Fayetteville, NC MSA	395	Ottawa County	175	Cabell County, WV	102
Cumberland County	299	Great Falls, MT MSA	79	Wayne County, WV	44
Fayetteville-Springdale, AR		Cascade County	79	Boyd County, KY	59
MSA	119	Greeley, CO MSA	135	Carter County, KY	25
Washington County	119	Weld County	135	Greenup County, KY	37
Fitchburg-Leominster, MA		Green Bay, WI MSA	199	Lawrence County, OH	62
MSA	65	Brown County	185	Huntsville, AL MSA	391
Middlesex County (pt.)	3	Greensboro-Winston-		Madison County	251
Worcester County (pt.)	94	Salem-High Point, NC		Indianapolis, IN MSA	1,239
Fint, MI MSA	435	MSA	619	Boone County	39
Genesee County	435	Davidson County	123	Hamilton County	99
Florence, AL MSA	189	Davie County	27	Hancock County	46
Colbert County	54	Forsyth County	285	Hendricks County	79
Lauderdale County	62	Guilford County	394	Johnson County	69
Florence, SC MSA	117	Randolph County	100	Marion County	790
Florence County	117	Stokes County	35	Morgan County	54
Fort Collins-Loveland, CO		Yadkin County	30	Shelby County	40
MSA	199	Greenville-Spartanburg, SC		Iowa City, IA MSA	69
Larimer County	189	MSA	913	Johnson County	99
Fort Lauderdale-Holly-		Greenville County	309	Jackson, MS MSA	147
wood-Pompano		Pickens County	65	Jackson County	147
Beach, FL PMSA	1,199	Spartanburg County	214	Jackson, MO MSA	329
Broward County	1,199	Hagerstown, MD MSA	119	Hinds County	259
Fort Myers-Cape Coral, FL		Washington County	119	Madison County	53
MSA	295	Hamilton-Middletown, OH		Randall County	69
Lee County	295	PMSA	279	Jackson, TN MSA	79
Fort Pierce, FL MSA	215	Butler County	279	Madison County	79
Manatee County	91	Harrisburg-Lebanon-		Jacksonville, FL MSA	979
St. Lucie County	125	Carlisle, PA MSA	994	Clay County	97
Fort Smith, AR-OK MSA	179	Cumberland County	182	Duval County	992
Crawford County, AR	43	Dauphin County	239	Nassau County	44
Sebastian County, AR	190	Lebanon County	113	St. Johns County	75
Sequoyah County, OK	35	Perry County	40	Jacksonville, NC MSA	139
Fort Walton Beach, FL MSA ..		Hartford, CT PMSA	749	Onslow County	129
Okaloosa County	145	Hartford County (pt.)	921	Janesville-Beloit, WI MSA ..	139
Fort Wayne, IN MSA	994	Uitchfield County (pt.)	8	Rock County	135
Allen County	302	Middlesex County (pt.)	7	Jersey City, NJ PMSA	547
De Kalb County	25	New London County (pt.)	9	Hudson County	547
Whitley County	25	Tolland County (pt.)	102	Johnson City-Kingsport-	
Hartford-New Britain-		Hartford-New Britain-		Bristol, TN-VA MSA	949
Middletown, CT CMSA	1,997	Middletown, CT CMSA	1,997	Carter County, TN	51
Bristol, CT PMSA	79	Bristol, CT PMSA	79	Hawkins County, TN	46
Hartford, CT PMSA	749	Hartford, CT PMSA	749	Sullivan County, TN	147
				Union County, TN	17

(See headnote, p. 895)

	1987 Popu- lation (1,000)		1987 Popu- lation (1,000)		1987 Popu- lation (1,000)
Washington County, TN	82	Laredo, TX MSA	124	Campbell County	47
Scott County, VA	25	Webb County	124	Lynchburg city	87
Washington County, VA	47				
Bristol city, VA	18	Las Cruces, NM MSA	128	Macon-Warner Robins, GA	288
		Dona Ana County	129	MSA	158
Johnstown, PA MSA	282			Bibb County	87
Cambria County	171	Las Vegas, NV MSA	988	Houston County	16
Somerset County	81	Clark County	980	Polk County	28
Joliet, IL PMSA	377	Lawrence, KS MSA	75	Madison, WI MSA	347
Grundy County	32	Douglas County	75	Dane County	347
Will County	345				
		Lawrence-Haverhill, MA-		Manchester, NH MSA	148
Joplin, MO MSA	134	NH PMSA	375	Hillsborough County (pt.)	124
Jasper County	90	Essex County MA (pt.)	273	Merriam County (pt.)	14
Newton County	44	Rockingham County, NH	102	Rockingham County (pt.)	8
		(pt.)			
Kalamazoo, MI MSA	219	Lorton, OK MSA	110	Mansfield, OH MSA	128
Kalamazoo County	219	Comanche County	110	Richland County	128
Kankakee, IL MSA	98	Lewiston-Auburn, ME MSA	85	McAllen-Edinburg-Mission,	
Kankakee County	98	Androscoggin County (pt.)	85	TX MSA	379
				Hidalgo County	379
Kansas City, MO-KS MSA	1,546	Lexington-Fayette, KY MSA	342	Medford, OR MSA	143
Cass County MO	58	Bourbon County	19	Jackson County	143
Clay County MO	149	Clark County	28		
Jackson County, MO	638	Fayette County	221	Melbourne-Titusville-Palm	
Lafayette County, MO	31	Jessamine County	30	Bay, FL MSA	375
Pleasant County, MO	53	Scott County	22	Brevard County	375
Ray County MO	22	Woodford County	19		
Johnson County KS	333				
Leavenworth County, KS	85	Lima, OH MSA	185	Memphis, TN-AR-MS MSA	872
Miami County, KS	23	Allen County	112	Shelby County, TN	819
Wyandotte County, KS	174	Auglaize County	44	Tipton County, TN	37
				Crittenden County, AR	51
Kenosha, WI PMSA	128	Lincoln, NE MSA	288	De Soto County MS	85
Kenosha County	120	Lancaster County	208		
				Merced, CA MSA	188
Killeen-Temple, TX MSA	234	Little Rock-North Little		Merced County	188
Bell County	178	Rock, AR MSA	512		
Coryell County	58	Faulkner County	55	Miami-Fort Lauderdale, FL	
		Lonoke County	38	CMMSA	2,864
Knoxville, TN MSA	884	Pulaski County	358	Fort Lauderdale-Hollywood-	
Anderson County	70	Saline County	80	Pompano Beach, FL	
Blount County	84			PMSA	1,183
Greninger County	17	Longview-Marshall, TX MSA	187	Miami-Hialeah, FL PMSA	1,781
Jefferson County	34	Gregg County	108		
Knox County	329	Harrison County	58	Miami-Hialeah, FL PMSA	1,781
Sevier County	48			Dade County	1,781
Union County	12	Lorain-Elyria, OH PMSA	288		
		Lorain County	288	Middlesex-Somerset-	
Kokomo, IN MSA	181			Huntington, NJ PMSA	988
Howard County	84	Los Angeles-Anaheim-		Hunterdon County	98
Tipton County	18	Riverside, CA CMSA	13,471	Middlesex County	648
		Anaheim-Santa Ana, CA		Somerset County	282
La Crosse, WI MSA	88	PMSA	2,218		
La Crosse County	88	Los Angeles-Long Beach,		Middletown, CT PMSA	88
		CA PMSA	6,505	Middlesex County (pt.)	88
Lafayette, IN MSA	128	Orland-Ventura, CA PMSA	828		
Tippecanoe County	125	Riverside-San Bernardino,		Midland, TX MSA	188
		CA PMSA	2,119	Midland County	188
Lafayette, LA MSA	212				
Lafayette Parish	187	Los Angeles-Long Beach,		Milwaukee, WI PMSA	1,388
St. Martin Parish	48	CA PMSA	6,505	Milwaukee County	832
		Los Angeles County	6,505	Ozaukee County	71
Lake Charles, LA MSA	172			Washington County	81
Calcasieu Parish	172	Louisville, KY-IN MSA	987	Waukesha County	288
		Bullitt County, KY	47		
Lake County, IL PMSA	484	Jefferson County, KY	678	Milwaukee-Racine, WI	
Lake County	484	Oldham County, KY	34	CMMSA	1,388
		Shelby County, KY	24	Milwaukee, WI PMSA	1,388
Lakeland-Winter Haven, FL		Clark County, IN	80	Racine, WI PMSA	173
MSA	387	Floyd County, IN	84		
Polk County	387	Harrison County, IN	29	Minneapolis-St. Paul,	
				MN-WI MSA	2,388
Lancaster, PA MSA	484	Lowell, MA-NH PMSA	388	Anoka County, MN	228
Lancaster County	404	Middlesex County, MA (pt.)	251	Carver County, MN	43
		Hillsborough County, NH		Chisago County, MN	28
Lansing-East Lansing, MI		(pt.)	9	Dakota County, MN	240
MSA	428			Hennepin County, MN	988
Clinton County	58	Lubbock, TX MSA	228	Isanti County, MN	25
Eaton County	82	Lubbock County	228	Ramsey County, MN	473
Ingham County	288			Scott County, MN	53
		Lynchburg, VA MSA	143	Washington County, MN	138
		Amherst County	29	Wright County, MN	88
				St. Croix County, WI	48

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(See headnote, p. 893)

	1987 Popu- lation (1,000)		1987 Popu- lation (1,000)		1987 Popu- lation (1,000)
Mobile, AL MSA	483	New York-Northern New		Oxnard-Ventura, CA PMSA	839
Baldwin County.....	85	Jersey-Long Island,		Ventura County.....	628
Mobile County.....	398	NY-NJ-CT CMSA.....	18,854	Panama City, FL MSA	122
Modesto, CA MSA	327	Bergen-Passaic, NJ PMSA ..	1,294	Bay County.....	122
Stanislaus County.....	327	Bridgeport-Milford, CT		Parkeburg-Marietta, WV-	
Monmouth-Ocean, NJ		PMSA.....	444	OH MSA.....	188
PMSA.....	987	Danbury, CT PMSA.....	189	Wood County, WV.....	82
Monmouth County.....	554	Jersey City, NJ PMSA.....	547	Washington County, OH ..	84
Ocean County.....	403	Middlesex-Somerset-		Peacogue, MS MSA	138
Monroe, LA MSA	148	Hunterdon, NJ PMSA.....	968	Jackson County.....	128
Ouachita Parish.....	148	Monmouth-Ocean, NJ		Pawtucket-Woonsocket-	
Montgomery, AL MSA	287	PMSA.....	957	Attleboro, RI-MA PMSA ..	322
Autauga County.....	36	Nassau-Suffolk, NY PMSA ..	2,631	Providence County, RI (pt.)	227
Elmore County.....	49	New York, NY PMSA.....	8,529	Bristol County, MA (pt.) ..	60
Montgomery County.....	219	Newark, NJ PMSA.....	1,891	Norfolk County, MA (pt.) ..	6
Monrovia, IN MSA	121	Norwalk, CT PMSA.....	128	Worcester County, MA (pt.)	9
Delaware County.....	121	Orange County, NY PMSA.....	288	Pensacola, FL MSA	344
Muskegon, MI MSA	188	Stamford, CT PMSA.....	183	Escambia County.....	275
Muskegon County.....	188	Newark, NJ PMSA	1,091	Santa Rosa County.....	89
Naples, FL MSA	128	Essex County.....	845	Peoria, IL MSA	338
Collier County.....	128	Monte County.....	419	Peoria County.....	182
Nashua, NH PMSA	172	Sussex County.....	124	Tazewell County.....	124
Hillsborough County (pt.)	155	Union County.....	502	Woodford County.....	33
Rockingham County (pt.)	17	Niagara Falls, NY PMSA	218	Philadelphia, PA-NJ	
Nashville, TN MSA	886	Niagara County	216	PMSA.....	4,888
Cheatham County.....	28	Norfolk-Virginia Beach-		Bucks County, PA.....	532
Davidson County.....	508	Newport News, VA		Chester County, PA.....	347
Dickson County.....	34	MSA.....	1,548	Delaware County, PA.....	586
Robertson County.....	42	Gloucester County.....	29	Montgomery County, PA ..	680
Rutherford County.....	107	James City County.....	27	Philadelphia County, PA ..	1,845
Sumner County.....	100	York County.....	41	Burlington County, NJ ..	386
Williamson County.....	75	Chesapeake city.....	141	Camden County, NJ.....	486
Wilson County.....	88	Hampton city.....	128	Gloucester County, NJ.....	213
Nassau-Suffolk, NY PMSA	2,631	Newport News city.....	183	Philadelphia-Wilmington-	
Nassau County.....	1,318	Norfolk city.....	281	Trenton, PA-NJ-DE-MD	
Suffolk County.....	1,315	Poquoson city.....	11	CMSA.....	5,891
New Bedford, MA MSA	186	Portsmouth city.....	110	Philadelphia, PA-NJ PMSA ..	4,886
Bristol County (pt.).....	152	Suffolk city.....	52	Trenton, NJ PMSA.....	327
Plymouth County (pt.).....	14	Virginia Beach city.....	350	Vineland-Millville-Bridgeton,	
New Britain, CT PMSA	147	Williamsburg city.....	12	NJ PMSA.....	138
Hartford County (pt.).....	147	Norwalk, CT PMSA	128	Wilmington, DE-NJ-MD	
New Haven-Meriden, CT		Fairfield County (pt.).....	128	PMSA.....	550
MSA.....	519	Oakland, CA PMSA	1,988	Phoenix, AZ MSA	1,988
Middlesex County (pt.).....	18	Alameda County.....	1,223	Maricopa County.....	1,980
New Haven County (pt.).....	501	Contra Costa County.....	745	Pine Bluff, AR MSA	91
New London-Norwich, CT-		Ocala, FL MSA	181	Jefferson County.....	91
RI MSA.....	288	Marion County.....	181	Pittsburgh, PA PMSA	2,186
New London County, CT		Odessa, TX MSA	127	Allegheny County.....	1,382
(pt.).....	228	Ector County.....	127	Fayette County.....	153
Windham County, CT (pt.)	4	Oldham City, OK MSA	975	Washington County.....	211
Washington County, RI		Canadian County.....	74	Westmoreland County.....	379
(pt.).....	26	Cleveland County.....	163	Pittsburgh-Beaver Valley,	
New Orleans, LA	1,321	Logan County.....	30	PA CMSA.....	2,286
Jefferson Parish.....	474	McClain County.....	25	Beaver County, PA PMSA ..	191
Orleans Parish.....	543	Oldham County.....	623	Pittsburgh, PA PMSA.....	2,105
St. Bernard Parish.....	88	Pottawatomie County.....	61	Pittsfield, MA MSA	88
St. Charles Parish.....	44	Olympia, WA MSA	181	Berkshire County (pt.).....	80
St. John The Baptist Parish	42	Thurston County.....	151	Portland, ME MSA	218
St. Tammany Parish.....	150	Omaha, NE-IA MSA	616	Cumberland County (pt.)	182
New York, NY PMSA	9,628	Douglas County, NE.....	416	York County (pt.).....	16
Bronx County.....	1,214	Serp County, NE.....	97	Portland, OR PMSA	1,188
Kings County.....	2,310	Washington County, NE ..	18	Clatskanie County.....	284
New York County.....	1,486	Pottawatomie County, IA ..	86	Multnomah County.....	584
Putnam County.....	82	Orange County, NY PMSA	288	Washington County.....	281
Queens County.....	1,921	Orange County.....	288	Yamhill County.....	58
Richmond County.....	378	Orlando, FL MSA.....	836	Portland-Vancouver, OR-	
Rockland County.....	285	Orange County.....	586	WA CMSA.....	1,288
Westchester County.....	885	Oscoda County.....	87	Portland, OR PMSA.....	1,188
		Seminole County.....	251	Vancouver, WA PMSA.....	216
		Owensboro, KY MSA	88		
		Daviess County.....	88		

(See footnote, p. 605)

	1987 Popu- lation (1,000)		1987 Popu- lation (1,000)		1987 Popu- lation (1,000)
Portsmouth-Dover- Rochester, NH-MA MSA	215	Rochester, MN MSA	99	Santa Rosa-Petaluma, CA PMSA	254
Rochester County, NH (pt.)	73	Dakota County	99	Yuba-Fairfield-High, CA PMSA	404
Stratford County, NH (pt.)	93	Rochester, NY MSA	979	San Jose, CA PMSA	1,416
York County, ME (pt.)	50	Livingston County	99	Santa Clara County	1,415
Poughkeepsie, NY MSA	298	Monroe County	936	Santa Barbara-Santa Maria- Lompoc, CA MSA	361
Dutchess County	258	Ontario County	93	Santa Barbara County	361
Providence, RI PMSA	643	Orleans County	36	Santa Cruz, CA PMSA	237
Bristol County	48	Wayne County	98	Santa Cruz County	222
Kent County (pt.)	157	Rochford, IL MSA	391	Santa Fe, NM MSA	111
Newport County (pt.)	5	Boone County	29	Los Alamos County	19
Providence County (pt.)	254	Winnebago County	252	Santa Fe County	99
Washington County (pt.)	69	Sacramento, CA MSA	1,399	Santa Rosa-Petaluma, CA PMSA	354
Providence-Pawtucket-Fall River, RI-MA CMSA	1,116	El Dorado County	114	Sonoma County	354
Fall River MA-RI PMSA	153	Placer County	149	Sarasota, FL MSA	299
Pawtucket-Woonsocket- Attleboro RI-MA PMSA	322	Sacramento County	945	Sarasota County	256
Providence, RI PMSA	643	Yolo County	129	Savannah, GA MSA	361
Provo-Orem, UT MSA	342	Saginaw-Bay City-Midland, MI MSA	494	Chatham County	216
Utah County	242	Bay County	115	Ellingham County	23
Pueblo, CO MSA	137	Midland County	73	Scranton-Wilkes-Barre, PA MSA	731
Pueblo County	127	Saginaw County	216	Columbia County	61
Racine, WI PMSA	173	St. Cloud, MN MSA	177	Lackawanna County	223
Racine County	173	Benton County	28	Luzerne County	332
Raleigh-Durham, NC MSA	696	Sherburne County	35	Marion County	86
Durham County	199	Stearns County	115	Wyoming County	29
Franklin County	36	St. Joseph, MO MSA	95	Seattle, WA PMSA	1,799
Orange County	89	Buchanan County	95	King County	1,391
Wake County	375	St. Louis, MO-IL MSA	2,499	Snohomish County	405
Rapid City, SD MSA	99	Franklin County MO	80	Seattle-Tacoma, WA CMSA	2,541
Pennington County	90	Jackson County MO	167	Seattle, WA PMSA	1,799
Reading, PA MSA	384	St. Charles County, MO	193	Tacoma, WA PMSA	545
Berks County	324	St. Louis County MO	999	Sharon, PA MSA	139
Redding, CA MSA	126	Clinton County IL	34	Mercer County	123
Shasta County	126	Jersey County IL	30	Sheboygan, WI MSA	199
Reno, NV MSA	232	Madison County IL	252	Sheboygan County	199
Washoe County	232	Monroe County, IL	22	Sherman-Denton, TX MSA	199
Richland-Kennebec-Pasco, WA MSA	180	St. Clair County, IL	271	Grayson County	100
Benton County	113	Salem, OR MSA	299	Shreveport, LA MSA	394
Franklin County	39	Marion County	219	Bossier Parish	92
Richmond-Petersburg, VA MSA	625	Polk County	49	Caddo Parish	272
Charles City County	6	Salem-Gloucester, MA PMSA	299	Sioux City, IA-NE MSA	116
Chesterfield County	179	Essex County (pt.)	259	Woodbury County, IA	99
Dinwiddie County	21	Salt Lake City-Ogden, UT MSA	1,995	Dakota County NE	17
Gooseland County	13	Davis County	190	Sioux Falls, SD MSA	129
Henover County	59	Salt Lake County	714	Minnehaha County	124
Hennico County	200	Webster County	190	South Bend-Mishawaka, IN MSA	342
New Kent County	11	San Angelo, TX MSA	99	St. Joseph County	242
Powhatan County	14	Tom Green County	99	Spokane, WA MSA	395
Prince George County	26	San Antonio, TX MSA	1,397	Spokane County	355
Colonial Heights City	17	Bexar County	1,197	Springfield, IL MSA	191
Hopewell City	24	Cornal County	51	Menard County	12
Petersburg City	41	Guadalupe County	59	Sangamon County	179
Richmond City	217	San Diego, CA MSA	2,294	Springfield, MA MSA	517
Riverside-San Bernardino, CA PMSA	2,119	San Diego County	2,299	Hampden County (pt.)	435
Riverside County	915	San Francisco, CA PMSA	1,599	Hampshire County (pt.)	62
San Bernardino County	1,204	Marin County	229	Springfield, MO MSA	229
Roanoke, VA MSA	224	San Francisco County	740	Christian County	29
Botetourt County	25	San Mateo County	622	Greene County	300
Roanoke County	75	San Francisco-Oakland-San Jose, CA CMSA	5,993	Stanford, CT PMSA	199
Roanoke City	100	Oakland, CA PMSA	1,999	Fairfield County (pt.)	199
Salem City	24	San Francisco, CA PMSA	1,599		
		San Jose, CA PMSA	1,415		
		Santa Cruz, CA PMSA	222		

Metropolitan Statistical Areas

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(See footnote, p. 899)

	1987 Popu- lation (1,000)		1987 Popu- lation (1,000)		1987 Popu- lation (1,000)
State College, PA MSA	118	Tulsa County	518	Waterville-Cedar Falls, IA	
Centre County	115	Wagoner County	51	MSA	140
Steubenville-Weirton, OH- WV MSA	149	Tuscaloosa, AL MSA	144	Black Hawk County	128
Jefferson County, OH	83	Tuscaloosa County	144	Bremser County	24
Brooke County, WV	29	Tyler, TX MSA	163	Wausau, WI MSA	111
Hancock County, WV	38	Smith County	153	Marathon County	111
Stockton, CA MSA	443	Utica-Rome, NY MSA	314	West Palm Beach-Boca Raton-Delray Beach, FL	
San Joaquin County	443	Herkimer County	87	MSA	790
Syracuse, NY MSA	647	Oneida County	247	Palm Beach County	790
Madison County	67	Vallejo-Fairfield-Napa, CA		Wheeling, WV-OH MSA	173
Onondaga County	400	MSA	404	Marshall County, WV	39
C Oswego County	120	Napa County	105	Ohio County, WV	67
Tacoma, WA PMSA	545	Solano County	299	Belmont County, OH	77
Pierce County	545	Vancouver, WA PMSA	216	Wichita, KS MSA	476
Tallahassee, FL MSA	223	Clerk County	216	Butler County	49
Gadsden County	45	Victoria, TX MSA	75	Harvey County	31
Leon County	177	Victoria County	75	Sedgewick County	395
Tampa-St. Petersburg- Clearwater, FL MSA	1,986	Vineland-Milville-Bridgeton, NJ PMSA	138	Wichita Falls, TX MSA	126
Hernando County	87	Cumberland County	138	Wichita County	126
Hillsborough County	798	Vacalia-Tulare-Porterville, CA MSA	292	Williamsport, PA MSA	117
Pasco County	257	Tulare County	292	Lycorning County	117
Pinellas County	823	Waco, TX MSA	189	Wilmington, DE-NJ-MD	
Terre Haute, IN MSA	132	McLennan County	189	PMSA	588
Clay County	25	Washington, DC-MD-VA		New Castle County, DE	425
Vigo County	108	MSA	3,646	Salem County, NJ	85
Texarkana, TX-Texarkana, AR MSA	120	Washington, DC	822	Cecil County, MD	89
Bowie County, TX	81	Calvert County, MD	47	Wilmington, NC MSA	116
Miller County, AR	39	Charles County, MD	94	New Hanover County	118
Toledo, OH MSA	611	Frederick County, MD	137	Worcester, MA MSA	410
Fulton County	38	Montgomery County, MD	888	Worcester County (pt.)	410
Lucas County	483	Prince Georges County MD	888	Yakima, WA MSA	183
Wood County	110	Arlington County, VA	159	Yakima County	183
Topoka, KS MSA	182	Fairfax County, VA	739	York, PA MSA	404
Shawnee County	182	Loudoun County, VA	72	Adams County	72
Tranton, NJ PMSA	327	Prince William County, VA	185	York County	331
Mercer County	327	Stafford County, VA	53	Youngstown-Warren, OH	
Tucson, AZ MSA	619	Alexandria city, VA	108	MSA	503
Pima County	619	Fairfax city, VA	20	Mahoning County	273
Tulsa, OK MSA	733	Falls Church city, VA	10	Trumbull County	230
Creek County	67	Manassas city, VA	21	Yuba City, CA MSA	118
Osage County	40	Manassas Park city, VA	7	Butler County	80
Rogers County	56	Waterbury, CT MSA	213	Yuba County	56
		Litchfield County (pt.)	37		
		New Haven County (pt.)	177		

Source: U.S. Bureau of the Census, Current Population Reports, series P-26, No. 87-A; press release (C88-157); and unpublished data.



Appendix III

Statistical Methodology and Reliability

Introduction.—The data presented in this *Statistical Abstract* came from many sources. The sources include not only Federal statistical bureaus and other organizations that collect and issue statistics as their principal activity, but also governmental administrative and regulatory agencies, private research bodies, trade associations, insurance companies, health associations, and private organizations such as the American Red Cross and philanthropic foundations. Consequently, the data vary considerably as to reference periods, definitions of terms and, for ongoing series, the number and frequency of time periods for which data are available.

The statistics presented were obtained and tabulated by various means. Some statistics are based on complete enumerations or censuses while others are based on samples. Some information is extracted from records kept for administrative or regulatory purposes (school enrollment, hospital records, securities registration, financial accounts, social security records, income tax returns, etc.), while other information is obtained explicitly for statistical purposes through interviews or by mail. The estimation procedures used vary from highly sophisticated scientific techniques, to crude "informed guesses."

Each set of data relates to a group of individuals or units of interest referred to as the *target universe* or *target population*, or simply as the *universe* or *population*. Prior to data collection the target universe should be clearly defined. For example, if data are to be collected for the universe of households in the United States, it is necessary to define a "household." The target universe may not be completely tractable. Cost and other considerations may restrict data collection to a *survey universe* of households on some available list, such list being inaccurate, out of date, defining "household" slightly differently, etc. This list is called a *survey frame* or *sampling frame*.

The data in many tables are based on data obtained for all population units, a *census*, or on data obtained for only a portion, or *sample*, of the population units. When the data presented are based on a sample, the sample is usually a scientifically selected *probability sample*. This is a sample selected from a list or sampling frame in such a way that every possible sample has a known chance of selection and usually each unit selected can be assigned a number, between zero and one, representing its likelihood or probability of selection.

For large-scale sample surveys, the probability sample of units is often selected as a multistage sample. The first stage of a multistage sample is the selection of a probability sample of large groups of population members, referred to as primary sampling units (PSU's). For example, in a national multistage household sample, PSU's are often counties or groups of counties. The second stage of a multistage sample is the selection, within each PSU selected at the first stage, of smaller groups of population units, referred to as secondary sampling units. In subsequent stages of selection, smaller and smaller nested groups are chosen until the ultimate sample of population units is obtained. To qualify a multistage sample as a probability sample, all stages of sampling must be carried out using probability sampling methods.

Prior to selection at each stage of a multistage (or a single-stage) sample, a list of the sampling units or sampling frame for that stage must be obtained. For example, for the first stage of selection of a national household sample, a list of the counties and county groups that form the PSU's must be obtained. For the final stage of selection, lists of households, and sometimes persons within the households, have to be compiled in the field. If a single-stage sample of the Nation's hospitals is to be selected, a list of hospitals must be obtained to use as the sampling frame. Unfortunately, it is virtually impossible to obtain a complete, up-to-date frame for a hospital survey. This is a problem incurred for most surveys of institutions and for many other types of surveys as well.

Wherever the quantities in a table refer to an entire universe, but are constructed from data collected in a sample survey, the table quantities are referred to as *sample estimates*. In constructing a sample estimate, an attempt is made to come as close as is feasible to the corresponding universe quantity that would be obtained from a complete census of the universe. Estimates based on a sample will, however, generally differ from the hypothetical census figures. Two classifications of errors are associated with estimates based on sample surveys: (1) *sampling error*—the error arising from the use of a sample, rather than a census, to estimate population quantities and (2) *nonsampling error*—those errors arising from nonsampling sources. As discussed below, the magnitude of the sampling error for an estimate can usually be estimated from the sample data. However, the

magnitude of the nonsampling error for an estimate can rarely be estimated. Consequently, actual error in an estimate exceeds the estimated error in the estimate.

The particular sample used in a survey is only one of a large number of possible samples of the same size which could have been selected using the same sampling procedure. Estimates derived from the different samples would, in general, differ from each other. The *standard error* (SE) is a measure of the variation among the estimates derived from all possible samples. The standard error is the most commonly used measure of the sampling error of an estimate. Valid estimates of the standard errors of survey estimates can usually be calculated from the data collected in a probability sample. For convenience, the standard error is sometimes expressed as a percent of the estimate and is called the relative standard error or *coefficient of variation* (CV). For example, an estimate of 200 units with an estimated standard error of 10 units has an estimated CV of 5 percent.

A sample estimate and an estimate of its standard error or CV can be used to construct interval estimates that have a prescribed confidence that the interval includes the average of the estimates derived from all possible samples with a known probability. To illustrate, if all possible samples were selected under essentially the same general conditions, and using the same sample design, and if an estimate and its estimated standard error were calculated from each sample, then:

1. Approximately 68% of the intervals from one standard error below the estimate to one standard error above the estimate would include the average estimate derived from all possible samples.
2. Approximately 90% of the intervals from 1.6 standard errors below the estimate to 1.6 standard errors above the estimate would include the average estimate derived from all possible samples.
3. Approximately 95% of the intervals from two standard errors below the estimate to two standard errors above the estimate would include the average estimate derived from all possible samples.

Thus, for a particular sample, one can say with the appropriate level of confidence (e.g., 90% or 95%) that the average of all possible samples is included in the constructed interval. Example of a confidence interval: An estimate is 200 units with a standard error of 10 units. An approximately 90% confidence interval (plus or minus 1.6 standard errors) is from 184 to 216.

All surveys and censuses are subject to nonsampling errors. Nonsampling errors are two kinds—*random* and *nonrandom*. Random nonsampling errors arise because of the varying interpretation of questions (by respondents or interviewers) and varying actions of coders, keyers, and other processors. Some randomness is also introduced when respondents must estimate values. These same errors usually have a nonrandom component. Nonrandom nonsampling errors result from total nonresponse (no usable data obtained for a sampled unit), partial or item nonresponse (only a portion of a response may be usable), inability or unwillingness on the part of respondents to provide correct information, difficulty interpreting questions, mistakes in recording or keying data, errors of collection or processing, and coverage problems (overcoverage and undercoverage of the target universe). Random nonresponse errors usually, but not always, result in an understatement of sampling errors and thus an overstatement of the precision of survey estimates. Estimating the magnitude of nonsampling errors would require special experiments or access to independent data and, consequently, the magnitudes are seldom available.

Nearly all types of nonsampling errors that affect surveys also occur in complete censuses. Since surveys can be conducted on a smaller scale than censuses, nonsampling errors can presumably be controlled more tightly. Relatively more funds and effort can perhaps be expended toward eliciting responses, detecting and correcting response error, and reducing processing errors. As a result, survey results can sometimes be more accurate than census results.

To compensate for suspected nonrandom errors, adjustments of the sample estimates are often made. For example, adjustments are frequently made for nonresponse, both total and partial. Adjustments made for either type of nonresponse are often referred to as *imputations*. Imputation for total nonresponse is usually made by substituting for the questionnaire responses of the nonrespondents the "average" questionnaire responses of the respondents. These imputations are usually made separately within various groups of sample members, formed by attempting to place respondents and nonrespondents together that have "similar" survey characteristics. Imputation for item nonresponse is usually made by substituting for a missing item the response to that item of a respondent having characteristics that are "similar" to those of the nonrespondent.

For an estimate calculated from a sample survey, the *total error* in the estimate is composed of the sampling error, which can usually be estimated from the sample, and the nonsampling error, which usually cannot be estimated from the sample. The total error present in a population quantity obtained from a complete census is composed of only nonsampling errors. Ideally, estimates of the

total error associated with data given in the *Statistical Abstract* tables should be given. However, due to the unavailability of estimates of nonsampling errors, only estimates of the levels of sampling errors, in terms of estimated standard errors or coefficients of variation, are available. To obtain estimates of the estimated standard errors from the sample of interest, obtain a copy of the referenced report which appears at the end of each table.

Principal data bases.—Beginning below are brief descriptions of 34 of the sample surveys and censuses that provide a substantial portion of the data contained in this *Abstract*.

SECTION 1. POPULATION

Source and Title: Bureau of the Census, *Census of Population*

Tables: See tables citing *Census of Population* in section 1 and also in sections 2, 4, 6, 8, 13, 14, 26, and 30.

Universe, Frequency, and Types of Data: Complete count of U.S. population conducted every 10 years since 1790. Data obtained on number and characteristics of inhabitants.

Type of Data Collection Operation: In 1970 and 1980, complete census for some items—age, sex, race, marital status and relationship to household head. In 1970, other items collected from a 5% and a 15% probability (systematic) sample of the population. In 1980, approximately 19% of the housing units were included in the sample.

Data Collection and Imputation Procedures: In 1970, extensive use of mail questionnaires in urban areas; personal interviews in most rural areas. In 1980, mail questionnaires were used in even more areas than in 1970, with personal interviews in the remainder. Extensive telephone and personal followup for nonrespondents was done in both censuses. Imputations were made for missing characteristics.

Estimates of Sampling Error: Sampling errors for data are estimated for all items collected by sample and vary by characteristic and geographic area. The CV's for national and State estimates are generally very small.

Other (nonsampling) Errors: Since 1950, evaluation programs have been conducted to provide information on the magnitude of some sources of nonsampling errors such as response bias and undercoverage in each census. Results from the evaluation program for the 1980 census indicate that coverage improved substantially over previous censuses; demographic analysis estimated the net undercount at between 1.0 and 2.2 percent in 1980.

Sources of Additional Material: U.S. Bureau of the Census, *The Coverage of Population in the 1980 Census*, PHC80-E4; *Content Reinterview Study: Accuracy of Data for Selected Population and Housing Characteristics as Measured by Reinterview*, PHC80-E2; *1980 Census of Population*, vol. 1, (PC80-1), Appendixes B, C, and D.

Source and Title: U.S. Bureau of the Census, *Current Population Survey (CPS)*

Tables: See tables citing *Current Population Reports* primarily in section 1, but also in sections 2, 3, 4, 8, 12, 13, 14, 23, and 30. Many Bureau of Labor Statistics' (BLS) tables in section 13 are CPS based.

Universe, Frequency, and Types of Data: Nationwide monthly sample survey of civilian noninstitutional population, 14 years old or over, to obtain data on employment, unemployment, and a number of other characteristics.

Type of Data Collection Operation: Multistage probability sample of about 55,800 households in 729 PSU's in 1988. Over-sampling in some States and the largest MSA's to improve reliability for those areas of employment data on annual average basis. A continual sample rotation system is used. Households are in sample 4 months, out for 8 months, and in for 4 more. Month-to-month overlap is 75%; year-to-year overlap is 50%.

Data Collection and Imputation Procedures: For first and fifth months that a household is in sample, personal interviews; other months, approximately, 85% of the data collected by phone. Imputation is done for both item and total nonresponse. Adjustment for total nonresponse is done by a predefined cluster of units, by MSA size and residence; for item nonresponse imputation varies by subject matter.

Estimates of Sampling Error: Estimated CV's on national annual averages for labor force, total employment, and nonagricultural employment, 2%; for total unemployment and agricultural employment, 1.0% to 2.5%. The estimated CV's for family income and poverty rate for all persons in 1986 are .5% and 1.5%, respectively. CV's for subnational areas, such as States, would be larger and would vary by area.

Other (nonsampling) Errors: Estimates of response bias on unemployment are not available, but estimates of unemployment are usually 5% to 9% lower than estimates from reinterviews. Four to 5.0% of sample households unavailable for interviews.

Sources of Additional Material: U.S. Bureau of the Census and Bureau of Labor Statistics, *Concepts and Methods Used in Labor Force Statistics from Current Population Survey* (Census

series P-23, No. 62; BLS Report No. 463) and Bureau of the Census, *Current Population Survey* (Tech. Paper 40) and Bureau of Labor Statistics, *BLS Handbook of Methods*, Chapter 1 (Bulletin 2285.)

(See section 3 below for information pertaining to the Supplement on Aging to the National Health Interview Survey.)

SECTION 2. VITAL STATISTICS

Source and Title: U.S. National Center for Health Statistics (NCHS), *Vital Registration System*

Tables: See tables citing *Vital Statistics of the United States*, 282 in section 5; 1019 in section 21; and 1385 in section 30.

Universe, Frequency, and Types of Data: Annual data on births and deaths in the United States.

Type of Data Collection Operation: Mortality data based on complete file of death records, except 1972, based on 50% sample. Natality statistics 1951-1971, based on 50% sample of birth certificates, except a 20% to 50% in 1967, received by NCHS. Beginning 1972, data from some States received through Vital Statistics Cooperative Program and complete file used; data from other States based on 50% sample.

Data Collection and Imputation Procedures: Reports based on records from registration offices of all States, District of Columbia, New York City, Puerto Rico, Virgin Islands, and Guam.

Estimates of Sampling Error: For recent years, CV's for births are small due to large portion of total file in sample (except for very small estimated totals).

Other (nonsampling) Errors: Data on births and deaths believed to be at least 99% complete.

Sources of Additional Material: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, vol. I and vol. II, annual, and *Monthly Vital Statistics Report*.

SECTION 3. HEALTH AND NUTRITION

Source and Title: U.S. National Center for Health Statistics, *National Health Interview Survey (NHIS)*

Tables: 153, 175, 176, 182-187, 189, 190, 192, and in section 1, tables 42 and 43, section 4, table 217, and section 12, table 608.

Universe, Frequency, and Types of Data: Continuous data collection covering the civilian noninstitutional population to obtain information on personal and demographic characteristics, illnesses, injuries, impairments, and other health topics. In 1984, the Supplement on Aging (SOA) was added to the NHIS to collect data on the functional status of persons 55 years old and over living in the community. It included questions on characteristics which might affect their ability to live in the community.

Type of Data Collection Operation: Multistage probability sample of 42,000 households (in 376 PSU's) selected in groups of about four adjacent households.

Data Collection and Imputation Procedures: Personal household interviews with extensive followup of nonrespondents. Data are adjusted for nonresponse by imputation procedure based on "average" characteristics of persons in interviewed households in the same geographic area.

Estimates of Sampling Error: Estimated CV's: For physician visits by males, 1.5%; for workdays lost by males, 3.5%; for persons injured at home, 4.7%.

Other (nonsampling) Errors: Response rate was 95.7% in 1985 for the NHIS. For the SOA, response rate was 95% (89% responded entirely for themselves).

Sources of Additional Material: U.S. National Center for Health Statistics, "Current Estimates from the National Health Interview Survey, U.S., 1983," Vital and Health Statistics, series 10 and the "Supplement on Aging to the 1984 National Health Interview Survey," Vital and Health Statistics, series 1, No. 21, July 1987.

(See section 1 above for information pertaining to tables 93-96, and section 15 pertaining to table 144.)

SECTION 4. EDUCATION

Source and Title: U.S. Department of Education, National Center for Education Statistics, *Higher Education General Information Survey (HEGIS)*, *Fall Enrollment in Institutions of Higher Education*; beginning 1986, *Integrated Postsecondary Data Survey (IPEDS)*, *Fall Enrollment*

Tables: 210, 247-250; and 269.

Universe, Frequency, and Types of Data: Annual survey of all institutions and branches listed in the *Directory* to obtain data on total enrollment by sex, level of enrollment, type of program, racial/ethnic characteristics (in alternate years) and attendance status of student, and on first-time students.

Type of Data Collection Operation: Complete census.

Data Collection and Imputation Procedures: Survey package is usually mailed in the spring with surveys due at varying dates in the summer and fall; mail and phone followup procedures for nonrespondents. Missing data are imputed by using data for an earlier year, adjusted for trends observed in earlier surveys, or data of similar institutions.

Estimates of Sampling Error: Not applicable.

Other (nonsampling) Errors: Approximately 93% response rate.

Sources of Additional Material: U.S. Department of Education, National Center for Education Statistics, *Fall Enrollment in Higher Education*, annual.

Source and Title: U.S. Department of Education, National Center for Education Statistics, *Higher Education General Information Survey (HEGIS), Financial Statistics of Institutions of Higher Education*

Tables: 200, 201, 247, and 257.

Universe, Frequency, and Types of Data: Annual survey of all institutions and branches listed in the *Education Directory, Colleges and Universities* to obtain data on financial status and operations, including current funds revenues, current funds expenditures, and physical plant assets.

Type of Data Collection Operation: Complete census.

Data Collection and Imputation Procedures: Survey package is usually mailed in the spring with surveys due at varying dates in the summer and fall; mail and phone followup procedures for nonrespondents. Missing data are imputed by using data for an earlier year, adjusted for trends observed in earlier HEGIS surveys, or data of similar institutions.

Estimates of Sampling Error: Not applicable.

Other (nonsampling) Errors: For 1986, a 87% response rate. Imputed expenditures amounted to about 2.8% of total expenditures.

Sources of Additional Material: U.S. Department of Education, National Center for Education Statistics, *Financial Statistics of Institutions of Higher Education*, annual.

Source and Title: U.S. Department of Education, National Center for Education Statistics, *Higher Education General Information Survey (HEGIS), Degrees and Other Formal Awards Conferred*

Tables: 266-269.

Universe, Frequency, and Types of Data: Annual survey of all institutions and branches listed in the *Education Directory, Colleges and Universities* to obtain data on earned degrees and other formal awards, conferred by field of study, level of degree, sex, and by racial/ethnic characteristics (in alternate years).

Type of Data Collection Operation: Complete census.

Data Collection and Imputation Procedures: Survey package is usually mailed in the spring with surveys due at varying dates in the summer and fall; mail and phone followup procedures for nonrespondents. Missing data are imputed by using data for an earlier year, adjusted for trends observed in earlier HEGIS surveys, or data of similar institutions.

Estimates of Sampling Error: Not applicable.

Other (nonsampling) Errors: For 1985-86, approximately 93% response rate.

Sources of Additional Material: U.S. Department of Education, National Center for Education Statistics, *Earned Degrees Conferred*, annual.

(See sections 1 and 9 for information pertaining to the Bureau of the Census and section 3 above for the National Center for Health Statistics.)

SECTION 5. LAW ENFORCEMENT, COURTS, AND PRISONS

Source and Title: U.S. Federal Bureau of Investigation, *Uniform Crime Reporting (UCR) Program*

Tables: 277-281, 283, 284, and 292-295.

Universe, Frequency, and Types of Data: Monthly reports on the number of criminal offenses that become known to law enforcement agencies. Data are collected on crimes cleared by arrest, by age, sex, and race of offender, and on assaults on law enforcement officers.

Type of Data Collection Operation: Crime statistics are based on reports of crime data submitted either directly to the FBI by contributing law enforcement agencies or through cooperating State UCR programs.

Data Collection and Imputation Procedures: States with UCR programs collect data directly from individual law enforcement agencies and forward reports, prepared in accordance with UCR standards, to FBI. Accuracy and consistency edits are performed by FBI.

Estimates of Sampling Error: Not applicable.

Other (nonsampling) Errors: Coverage of 96% of the population (96% in SMSA's, 93% in "other cities," and 89% in rural areas) by UCR program, though varying number of agencies report. Some error is present through incorrect reporting.

Sources of Additional Material: U.S. Federal Bureau of Investigation, *Crime in the United States*.

Source and Title: U.S. Bureau of Justice Statistics (BJS), *National Crime Survey*

Tables: 285-289.

Universe, Frequency, and Types of Data: Monthly survey of individuals and households in the U.S. to obtain data on criminal victimization of those units for compilation of annual estimates.

Type of Data Collection Operation: National probability sample survey of about 59,000 interviewed households in 376 PSU's selected from a list of addresses from the 1970 census, supplemented by new construction permits and an area sample where permits are not required.

Data Collection and Imputation Procedures: Interviews are conducted every 6 months for 3 years for each household in the sample; 10,000 households are interviewed monthly. Personal interviews are used in the first, third, fifth, and seventh interviews; the intervening interviews are conducted by telephone whenever possible.

Estimates of Sampling Error: CV's in 1985: 2.2% for crimes of violence; 14.8% for estimate of rape counts; 5.5% for robbery counts; 2.5% for assault counts; 1.4% for personal larceny counts; 2.2% for burglary counts; 1.8% for household larceny; 1.3% for all household crimes; and 4.8% for motor vehicle theft counts.

Other (nonsampling) Errors: Respondent recall errors which may include reporting incidents for other than the reference period; interviewer coding and processing errors; and possible mistaken reporting or classifying of events. Adjustment is made for a household noninterview rate of about 4% and for a smaller within-household noninterview rate.

Sources of Additional Material: U.S. Bureau of Justice Statistics, *Criminal Victimization in the United States*, annual.

(See section 2 for details on table 282 and section 9 for details on table 302.)

SECTION 8. ELECTIONS

(See section 1 above for information pertaining to table 432.)

SECTION 9. STATE AND LOCAL GOVERNMENT FINANCES AND EMPLOYMENT

Source and Title: U.S. Bureau of the Census, *Census of Governments*

Tables: See tables in section 9 citing *Census of Governments*.

Universe, Frequency, and Types of Data: Survey of all governmental units in the U.S. conducted every 5 years to obtain data on government revenue, expenditures, debt, employment and employee retirement systems, property values, public school systems, and number, size, and structure of governments.

Type of Data Collection Operation: Complete census. List of units derived through classification of government units recently authorized in each State and identification, counting, and classification of existing local governments and public school systems.

Data Collection and Imputation Procedures: Data collected through field and office compilation of financial data from official records and reports for States and large local governments; mail canvass of selected data items, like State tax revenue and employee retirement systems; and collection of local government statistics through central collection arrangements with State governments.

Estimates of Sampling Error: Not applicable.

Other (nonsampling) Errors: Some nonsampling errors may arise due to possible inaccuracies in classification, response, and processing.

Sources of Additional Material: U.S. Bureau of the Census, *Census of Governments, 1982*, various reports, and *State Government Finances in 1986*, GF 86, No. 3.

Source and Title: U.S. Bureau of the Census, *Annual Surveys of State and Local Government*

Tables: See tables citing *Public Employment* and *Governmental Finances* in section 9; table 228 in section 4; table 302 in section 5; and table 586 in section 12.

Universe, Frequency, and Types of Data: Sample survey conducted annually to obtain data on revenue, expenditure, debt, and employment of State and local governments. Universe is all governmental units in the U.S. (about 82,000).

Type of Data Collection Operation: Sample of about 22,000 units includes all State governments, county governments with 50,000+ population, municipalities and townships in certain States with 25,000+ population, all school districts with 5,000+ enrollment in October 1981, and other governments meeting certain criteria; probability sample for remaining units. A supplemental survey provides complete coverage of 39,000 local government units for data on taxes and intergovernmental revenue.

Data Collection and Imputation Procedures: Field and office compilation of data from official records and reports for States and large local governments; central collection of local governmental financial data through a number of State governments; mail canvases of other units with mail and telephone followups of nonrespondents. Data for nonresponses are imputed from previous year data or obtained from secondary sources, if available.

Estimates of Sampling Error: CV's for estimates of major employment and financial items are generally less than 2% for most States and less than 1.2% for the majority of States.

Other (nonsampling) Errors: Nonresponse rate is about 15% for number of units. Other possible errors may result from undetected inaccuracies in classification, response, and processing.

Sources of Additional Material: U.S. Bureau of the Census, *Public Employment in 1986*, GE 86, No. 1, *Governmental Finances in 1985-86*, GF 86, No. 5, and *Census of Governments, 1982*, various reports.

SECTION 10. FEDERAL GOVERNMENT

Source and Title: U.S. Internal Revenue Service, *Statistics of Income, Individual Income Tax Returns*

Tables: 508-510.

Universe, Frequency, and Types of Data: Annual study of unaudited individual income tax returns, Forms 1040, 1040A, and 1040EZ, filed by U.S. citizens and residents. Data provided on various financial characteristics by size of adjusted gross income, marital status, and by taxable and nontaxable returns. Data by State, based on 100% file, also include returns from 1040NR, filed by nonresident aliens plus certain self-employment tax returns.

Type of Data Collection Operation: Annual stratified probability sample alternates between approximately 83,000 and 120,000 returns broken into sample strata based on the larger of total income or total loss amounts as well as the size of business plus farm receipts. Sampling rates for sample strata varied from .02% to 100%.

Data Collection and Imputation Procedures: Computer selection of sample of tax return records. Data adjusted during editing for incorrect, missing, or inconsistent entries to ensure consistency with other entries on return.

Estimates of Sampling Error: Estimated CV's for tax year 1985: Number of returns in subgroups, ranged from .8% for returns under \$5,000 to .2% for returns over \$500,000; for adjusted gross income less deficit, .1%; and amount of income tax, .2%. (State data not subject to sampling error.)

Other (nonsampling) Errors: Processing errors and errors arising from the use of tolerance checks for the data.

Sources of Additional Material: U.S. Internal Revenue Service, *Statistics of Income, Individual Income Tax Returns*, annual.

SECTION 12. SOCIAL INSURANCE AND HUMAN SERVICES

Source and Title: U.S. Social Security Administration, *Benefit Data*

Tables: 578 and 579.

Universe, Frequency, and Types of Data: All persons receiving monthly benefits under Title 11 of Social Security Act. Data on number and amount of benefits paid by type and State.

Type of Data Collection Operation: Data based on administrative records. Data based on 100% files, as well as 10% and 1% sample files.

Data Collection and Imputation Procedures: Records used consist of actions pursuant to applications for benefits, updated by subsequent post-entitlement actions.

Estimates of Sampling Error: Varies by size of estimate and sample file size.

Other (nonsampling) Errors: Processing errors, which are believed to be small.

Sources of Additional Material: U.S. Social Security Administration, *Annual Statistical Supplement to the Social Security Bulletin*.

Source and Title: U.S. Social Security Administration, *Supplemental Security Income (SSI) Program*

Tables: 604-607.

Universe, Frequency, and Types of Data: All eligible aged, blind, or disabled persons receiving SSI benefit payments under SSI program. Data include number of persons receiving federally administered SSI, amounts paid, and State administered supplementation.

Type of Data Collection Operation: Data based on administrative records.

Data Collection and Imputation Procedures: Data adjusted to reflect returned checks and overpayment refunds. For federally administered payments, actual adjusted amounts are used; for State administered, payments are deflated for average rate across all States.

Estimates of Sampling Error: Not applicable.

Other (nonsampling) Errors: Processing errors, which are believed to be small.

Sources of Additional Material: U.S. Social Security Administration, *Annual Statistical Supplement to the Social Security Bulletin*.

(See section 1 above for information pertaining to the Current Population Survey; section 3 above for information pertaining to the Supplement on Aging to the National Health Interview Survey; and section 9 for information pertaining to Annual Surveys of State and Local Government.)

SECTION 13. LABOR FORCE, EMPLOYMENT, AND EARNINGS

Source and Title: U.S. Bureau of Labor Statistics (BLS), *Current Employment Statistics (CES) Program*

Tables: 655-657, 661, 663; in section 17, table 845; in section 21, table 999; in section 22, table 1052; and in section 24, table 1145.

Universe, Frequency, and Types of Data: Monthly survey covering about 4 million nonagricultural establishments to obtain data on employment, hours, and earnings, by industry.

Type of Data Collection Operation: Probability sample survey of over 300,000 establishments in March 1987.

Data Collection and Imputation Procedures: Cooperating State agencies mail questionnaires to sample establishments to develop State and local estimates; information is forwarded to BLS where national estimates are prepared.

Estimates of Sampling Error: Estimated CV's in 1986: For average weekly hours paid, .1% and for average hourly earnings, .2%.

Other (nonsampling) Errors: Incorrect responses believed to be somewhat offsetting. Estimates of employment adjusted annually to reflect complete universe. Average adjustment is .2%.

Sources of Additional Material: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, Explanatory Notes, tables L-Q and *BLS Handbook of Methods*, Bulletin 2285 (Apr. 1986).

(See section 1 above for information pertaining to the Current Population Survey.)

SECTION 14. INCOME, EXPENDITURES, AND WEALTH

(See section 1 above for information pertaining to the Bureau of the Census.)

SECTION 15. PRICES

Source and Title: U.S. Bureau of Labor Statistics (BLS), *Consumer Price Index (CPI)*

Tables: 748, 749, 758-761, 763, 770, 774, 775, and in section 3, table 144.

Universe, Frequency, and Types of Data: Monthly survey of price changes of all types of consumer goods and services purchased by urban wage earners and clerical workers prior to 1978, and urban consumers thereafter. Both indexes continue to be published.

Type of Data Collection Operation: Prior to 1978, sample of various consumer items in 56 urban areas; thereafter, in 85 PSU's, except from January 1967 through March 1968, when 91 areas were sampled.

Data Collection and Imputation Procedures: Prices of consumer items are obtained from about 57,000 housing units, and 19,000 other reporters in 85 areas. Prices of most goods and services are obtained monthly in the 5 largest areas and every 2 months in others.

Estimates of Sampling Error: Estimates of standard errors are not available at present.

Other (nonsampling) Errors: Errors result from inaccurate reporting, difficulties in defining concepts and their operational implementation, lack of systematic method for incorporating new outlets in the sample, and introduction of product quality changes and new products.

Sources of Additional Material: U.S. Bureau of Labor Statistics, *The Consumer Price Index: 1987 Revision*, Report 736, and *BLS Handbook of Methods*, Bulletin 2285.

Source and Title: U.S. Bureau of Labor Statistics, *Producer Price Index (PPI)*

Tables: 748, 749, 753-757; in section 21, table 1040; in section 24, table 1148; and in section 26, table 1219.

Universe, Frequency, and Types of Data: Monthly survey of producing companies to determine price changes of all commodities produced for sale in commercial transactions in primary markets in the U.S. Data on agriculture, forestry, fishing, manufacturing, mining, gas, electricity, and public utilities.

Type of Data Collection Operation: Probability sample of over 3,000 commodities and about 16,000 respondents.

Data Collection and Imputation Procedures: Data are collected by mail. If transaction prices are not supplied, list prices are used. Some prices are obtained from trade publications, organized exchanges, and government agencies. To calculate index, price changes multiplied by their relative weights based on total net selling value of all commodities in 1982.

Estimates of Sampling Error: Not applicable.

Other (nonsampling) Errors: Not available at present.

Sources of Additional Material: U.S. Bureau of Labor Statistics, *BLS Handbook of Methods*, Bulletin 2285.

SECTION 17. BUSINESS ENTERPRISE

Source and Title: U.S. Internal Revenue Service, *Statistics of Income, Sole Proprietorship Returns and Statistics of Income Bulletin*

Tables: 846-850.

Universe, Frequency, and Types of Data: Annual study of unaudited income tax returns of non-farm sole proprietorships, Form 1040 with business or farm schedules. Data provided on various financial characteristics by industry.

Type of Data Collection Operation: Stratified probability sample of approximately 38,000 sole proprietorships for tax year 1985. The sample is classified based on presence or absence of certain business schedules; the larger of total income or loss; and size of business plus farm receipts. Sampling rates vary from .02% to 100%.

Data Collection and Imputation Procedures: Computer selection of sample of tax return records. Data adjusted during editing for incorrect, missing, or inconsistent entries to ensure consistency with other entries on return.

Estimates of Sampling Error: Estimated CV's for tax year 1983 (latest available): For sole proprietorships, number of nonfarm businesses, .24%; business receipts, 1.78%; net income, (less loss), 1.98%; and net income, 1.29%.

Other (nonsampling) Errors: Processing errors and errors arising from the use of tolerance checks for the data.

Sources of Additional Material: U.S. Internal Revenue Service, *Statistics of Income, Sole Proprietorship Returns and Statistics of Income Bulletin*, Vol. 7, No. 1 (Summer 1987).

Source and Title: U.S. Internal Revenue Service, *Statistics of Income, Partnership Returns and Statistics of Income Bulletin*

Tables: 846-849, 851, and 852.

Universe, Frequency, and Types of Data: Annual study of unaudited income tax returns of partnerships, Form 1065. Data provided on various financial characteristics by industry.

Type of Data Collection Operation: Stratified probability sample of approximately 33,000 partnership returns filed for tax year 1985. The sample is classified based on combinations of gross receipts, total income or loss, and total assets, and on industry. Sampling rates vary from .1% to 100%.

Data Collection and Imputation Procedures: Computer selection of sample of tax return records. Data adjusted during editing for incorrect, missing, or inconsistent entries to ensure consistency with other entries on return.

Estimates of Sampling Error: Estimated CV's for tax year 1985 (latest available): For number of partnerships, .43%; business receipts, .63%; net income, 2.01%; and net loss, 1.38%.

Other (nonsampling) Errors: Processing errors and errors arising from the use of tolerance checks for the data.

Sources of Additional Material: U.S. Internal Revenue Service, *Statistics of Income, Partnership Returns and Statistics of Income Bulletin*, Vol. 7, No. 1 (Summer 1987).

Source and Title: U.S. Internal Revenue Service, *Corporation Income Tax Returns*

Tables: 846-849, and 856.

Universe, Frequency, and Types of Data: Annual study of unaudited corporation income tax returns, Forms 1120 and 1120 (L, M, S, F, IC-DISC, or FSC), filed by corporations or businesses legally defined as corporations. Data provided on various financial characteristics by industry and size of total assets, and business receipts.

Type of Data Collection Operation: Stratified probability sample of approximately 89,000 returns in 1985, broken into sample classes generally based on type of return, size of total assets, size of net income or deficit, and selected business activity. Sampling rates for sample strata varied from .4% to 100%.

Data Collection and Imputation Procedures: Computer selection of sample of tax return records. Data adjusted during editing for incorrect, missing, or inconsistent entries to ensure consistency with other entries on return and to achieve statistical definitions.

Estimates of Sampling Error: Estimated CV's for 1985: Number of returns in subgroups ranged from 1.2% with assets under \$100,000, to 0% with assets over \$100 mil.; for amount of net income and amount of income tax, .1%.

Other (nonsampling) Errors: Processing errors and errors arising from the use of tolerance checks for the data.

Sources of Additional Material: U.S. Internal Revenue Service, *Statistics of Income, Corporation Income Tax Returns*, annual.

SECTION 18. COMMUNICATIONS

(See section 27 for information pertaining to table 912.)

SECTION 19. ENERGY

Source and Title: U.S. Energy Information Administration, *Residential Energy Consumption Survey*
Tables: 934-937, 967, and table 1249 in section 26.

Universe, Frequency, and Types of Data: Triennial survey of households and fuel suppliers. Data are obtained on energy-related household characteristics, housing unit characteristics, use of fuels, and energy consumption and expenditures by fuel type

Type of Data Collection Operation: Probability sample of 6,752 eligible units in 149 PSU's. For responding units, fuel consumption and expenditure data obtained from fuel suppliers to those households.

Data Collection and Imputation Procedures: Personal interviews. Extensive followup of nonrespondents including mail questionnaires for some households. Adjustments for nonrespondents were made in weighting for respondents. Most item nonresponses were imputed.

Estimates of Sampling Error: Estimated CV's for household averages: For consumption or expenditures, 1.3%; for various fuels, values ranged from 1.9% for electricity to 5.3% for LPG.

Other (nonsampling) Errors: Household response rate of 84.2%. Non-consumption data were mostly imputed for mail respondents (3.0% of eligible units). Complete responses from fuel suppliers for various fuels ranged from 83.4% for electricity to 48.3% for fuel oil and kerosene.

Sources of Additional Material: U.S. Energy Information Administration, *Residential Energy Consumption Survey: Consumption and Expenditures, April 1984 through March 1985*.

SECTION 21. TRANSPORTATION—LAND

(See section 2 for information pertaining to table 1019, and section 15 for table 1040.)

SECTION 22. TRANSPORTATION—AIR AND WATER

Source and Title: U.S. Bureau of the Census, *Foreign Trade—Export Statistics*

Tables: See Bureau of the Census citations for export statistics in source notes in sections 22 and 29 and also tables 1171 and 1172 in section 24; 1184 in section 25; and 1396 in section 30.

Universe, Frequency, and Types of Data: The export declarations collected by Customs are processed each month to obtain data on the movement of U.S. merchandise exports to foreign countries. Data obtained include value, quantity, and shipping weight of exports by commodity, country of destination, Customs district of exportation, and mode of transportation.

Type of Data Collection Operation: Shipper's Export Declarations are required to be filed for the exportation of merchandise valued over \$1,500. Customs officials collect and transmit the documents to the Bureau of the Census on a flow basis for data compilation. Value data for shipments valued under \$1,501 are estimated, based on established percentages of individual country totals.

Data Collection and Imputation Procedures: Statistical copies of Shipper's Export Declarations are received on a daily basis from Customs ports throughout the country and subjected to a monthly processing cycle. They are fully processed to the extent they reflect items valued over \$1,500. Estimates for shipments valued at \$1,500 or less are made, based on established percentages of individual country totals.

Estimates of Sampling Error: Not applicable.

Other (nonsampling) Errors: Clerical and complex computer checks intercept most processing errors and minimize otherwise significant reporting errors; other nonsampling errors are caused by undercounting of exports to Canada due to the nonreceipt of some Shipper's Export Declarations.

Sources of Additional Material: U.S. Bureau of the Census, *U.S. Exports, Schedule E, Commodity by Country*, FT 410.

Source and Title: U.S. Bureau of the Census, *Foreign Trade—Import Statistics*

Tables: See Bureau of the Census citations for import statistics in source notes in sections 22 and 29 and also tables 1171 and 1172 in section 24; 1184 in section 25; and 1396 in section 30.

Universe, Frequency, and Types of Data: The import entry documents collected by Customs are processed each month to obtain data on the movement of merchandise imported into the United States. Data obtained include value, quantity, and shipping weight by commodity, country of origin, Customs district of entry, and mode of transportation.

Type of Data Collection Operation: Import entry documents are required to be filed for the importation of goods into the United States valued over \$1,000 or for articles which must be reported on formal entries. Customs officials collect and transmit statistical copies of the documents to the Bureau of the Census on a flow basis for data compilation. Estimates for shipments valued under \$1,001 and not reported on formal entries are based on established percentages of individual country totals.

Data Collection and Imputation Procedures: Statistical copies of import entry documents, received on a daily basis from Customs ports of entry throughout the country, are subjected to a monthly processing cycle. They are fully processed to the extent they reflect items valued at \$1,001 and over or items which must be reported on formal entries.

Estimates of Sampling Error: Not applicable.

Other (nonsampling) Errors: Verification of statistical data reporting by Customs officials prior to transmittal and a subsequent program of clerical and computer checks are utilized to hold non-sampling errors arising from reporting and/or processing errors to a minimum.

Sources of Additional Material: U.S. Bureau of the Census, *U.S. General Imports and Imports for Consumption, Schedule A, Commodity by Country*, FT 135.

SECTION 23. AGRICULTURE

Source and Title: U.S. Department of Agriculture, National Agricultural Statistics Service (NASS), formerly Statistical Reporting Service (SRS), *Basic Area Frame Sample*

Tables: See tables citing NASS in source notes in section 23, which pertain to this or the following two surveys.

Universe, Frequency, and Types of Data: Two annual area sample surveys of U.S. farm operators: June agricultural survey collects data on planted acreage and livestock inventories; and a February Farm Costs and Returns survey that collects data on total farm production, expenses and specific commodity costs of production.

Type of Data Collection Operation: Stratified probability sample of about 16,000 land area units of about 1 sq. mile (range from .1 sq. mile in cities to several sq. miles in open grazing areas). Sample includes 60,000 parcels of agricultural land. About 20% of the sample replaced annually.

Data Collection and Imputation Procedures: Data collection is by personal enumeration. Imputation is based on enumerator observation or data reported by respondents having similar agricultural characteristics.

Estimates of Sampling Error: Estimated CV's range from 1-2% for regional estimates to 3-6% for State estimates of livestock inventories.

Other (nonsampling) Errors: Minimized through rigid quality controls on the collection process and careful review of all reported data.

Sources of Additional Material: U.S. Department of Agriculture, SRS, *Scope and Methods of the Statistical Reporting Service*, (name changed to National Agricultural Statistics Service), Miscellaneous Publication No. 1308, September 1983 (revised).

Source and Title: U.S. Department of Agriculture, National Agricultural Statistics Service (NASS), *Multiple Frame Surveys*

Tables: See tables citing NASS in source notes in section 23, which pertain to this or the following survey.

Universe, Frequency, and Types of Data: Surveys of U.S. farm operators to obtain data on major livestock inventories, selected crop acreages and production, grain stocks, and farm labor characteristics; and to obtain farm economic data for price indexing.

Type of Data Collection Operation: Primary frame is obtained from general or special purpose lists, supplemented by a probability sample of land areas used to estimate for list incompleteness.

Data Collection and Imputation Procedures: Mail, telephone or personal interviews used for initial data collection. Mail nonrespondent followup by phone and personal interviews. Imputation based on average of respondents.

Estimates of Sampling Error: Estimated CV for number of hired farm workers is about 3%. Estimated CV's range from 1-2% for regional estimates to 3-6% for State estimates of livestock inventories.

Other (nonsampling) Errors: In addition to above, replicated sampling procedures used to monitor effects of changes in survey procedures.

Sources of Additional Material: U.S. Department of Agriculture, SRS, *Scope and Methods of the Statistical Reporting Service*, (name changed to National Agricultural Statistics Service), Miscellaneous Publication No. 1308, September 1983 (revised).

Source and Title: U.S. Department of Agriculture, National Agricultural Statistics Service (NASS), *Objective Yield Surveys*

Tables: See tables citing NASS in source notes in section 23, which pertain to this or the preceding survey.

Universe, Frequency, and Types of Data: Surveys for data on corn, cotton, potatoes, soybeans, wheat, and rice to forecast and estimate yields.

Type of Data Collection Operation: Random location of plots in probability sample of fields. Fields selected in June from Basic Area Frame Sample (see above).

Data Collection and Imputation Procedures: Enumerators count and measure plant characteristics in sample fields. Production measured from plots at harvest. Harvest loss measured from post harvest gleanings.

Estimates of Sampling Error: CV's for national estimates of production are about 2-3%.

Other (nonsampling) Errors: In addition to above, replicated sampling procedures used to monitor effects of changes in survey procedures.

Sources of Additional Material: U.S. Department of Agriculture, SRS, *Scope and Methods of the Statistical Reporting Service*, (name changed to National Agricultural Statistics Service), Miscellaneous Publication No. 1308, September 1983 (revised).

(See section 1 above for information pertaining to the Census of Population and Current Population Survey.)

SECTION 26. CONSTRUCTION AND HOUSING

Source and Title: U.S. Bureau of the Census, *Monthly Survey of Construction*

Tables: 1228, 1229, and 1231-1234.

Universe, Frequency, and Types of Data: Survey conducted monthly of newly constructed housing units (excluding mobile homes, and nonhousekeeping residential buildings such as motels, hotels, courts and cabins). Data are collected on the start, completion, and sale of housing. (Annual figures are aggregates of monthly estimates.)

Type of Data Collection Operation: Probability sample of housing units obtained from building permits selected from 16,000 permit-issuing places through 1984 and, beginning in 1985, 17,000 places. For nonpermit places, multistage probability sample of new housing units selected in 169 PSU's. In those areas, all roads are canvassed in selected enumeration districts.

Data Collection and Imputation Procedures: Data are obtained by telephone inquiry and field visit.

Estimates of Sampling Error: Estimated CV of 3% to 4% for estimates of national totals, but are as high as 20% for estimated totals of more detailed characteristics, such as housing units in multiunit structures.

Other (nonsampling) Errors: Response rate is over 90% for most items. Nonsampling errors are attributed to definitional problems, differences in interpretation of questions, incorrect reporting, inability to obtain information about all cases in the sample, and processing errors.

Sources of Additional Material: U.S. Bureau of the Census, *Construction Reports*, series C20, *Housing Starts*; C22, *Housing Completions*; C25, *New One-Family Houses Sold and For Sale*; and C27, *Price Index of New One-Family Houses Sold*.

Source and Title: U.S. Bureau of the Census, *Value of New Construction Put in Place*

Tables: 1221-1223.

Universe, Frequency, and Types of Data: Survey conducted monthly on total value of all construction put in place in the current month, both public and private projects. Construction values include costs of materials and labor, contractors' profits, overhead costs, cost of architectural and engineering work, and miscellaneous project costs. (Annual figures are aggregates of monthly estimates.)

Type of Data Collection Operation: Varies by type of activity: Total cost of private one-family houses started each month is distributed into value put in place using fixed patterns of monthly construction progress; using a multistage probability sample, data for private multifamily housing are obtained by mail from owners of multiunit projects. Data for residential additions and alterations are obtained in a quarterly survey measuring expenditures; monthly estimates are interpolated from quarterly data. Estimates of value of private nonhousekeeping, nonresidential buildings, and State and local government construction are obtained by mail from owners (or agents) for a probability sample of projects. Estimates of farm nonresidential construction expenditures are based on U.S. Department of Agriculture annual estimates of construction; public utility estimates are obtained from reports submitted to Federal regulatory agencies and from private utility companies; estimates for all other private construction (nonbuilding) are obtained by phasing F. W. Dodge contract award data; estimates of Federal construction are based on monthly data supplied by Federal agencies.

Data Collection and Imputation Procedures: See "Type of Data Collection Operation." Imputation accounts for approximately 20% of estimated value of construction each month.

Estimates of Sampling Error: CV estimates for private nonresidential building construction range from 3% for estimated value of industrial buildings to 10% for miscellaneous buildings. CV is approximately 2% for total new private nonresidential buildings.

Other (nonsampling) Errors: For directly measured data series based on samples, some nonsampling errors may arise from processing errors, imputations, and misunderstanding of questions. Indirect data series are dependent on the validity of the underlying assumptions and procedures.

Sources of Additional Material: U.S. Bureau of the Census, *Construction Reports*, series C30, *Value of New Construction Put in Place*.

Source and Title: U.S. Bureau of the Census, *Census of Housing*
Tables: 1243 and 1248.

Universe, Frequency, and Types of Data: Census of all occupied and vacant housing, excluding group quarters, conducted every 10 years as part of the decennial census (see section 1 above) to determine characteristics of U.S. housing.

Type of Data Collection Operation: For 1970 and 1980, a complete count of 12 housing items. In 1970, other items collected from 5% and 15% probability samples selected from two sets of detailed questions on housing (these two sets having some common items). In 1980, approximately 19% of the housing units were included in the sample.

Data Collection and Imputation Procedures: In 1970, a self-enumeration census using a mail-out/mail-back procedure was used in most areas. In 1980, mail questionnaires were used - in even more areas than in 1970, with personal interviews in the remainder. Followup for nonrespondents and identification of vacant units done by phone and personal visit.

Estimates of Sampling Error: Sampling errors for data are estimated for all items collected by sample and vary by characteristic and geographic area.

Other (nonsampling) Errors: Evaluation studies for 1980 estimated the underenumeration of occupied housing units at 1.5%. The missed rate in 1980 for all units was 2.6% or approximately 2.3 million units, 1 million of which were vacant housing units.

Sources of Additional Material: U.S. Bureau of the Census, *1980 Census of Population and Housing, The Coverage of Housing in the 1980 Census*, PHC80-E1, July 1985.

Source and Title: U.S. Bureau of the Census, *American Housing Survey*

Tables: See tables citing *American Housing Survey* in source notes.

Universe, Frequency, and Types of Data: Conducted nationally in the fall in odd numbered years to obtain data on the approximately 100 million occupied or vacant housing units in the U.S. (group quarters are excluded). Data include characteristics of occupied housing units, vacant units, new housing and mobile home units, financial characteristics, recent mover households, housing and neighborhood quality indicators, and energy characteristics.

Type of Data Collection Operation: The national sample was a multistage probability sample with about 44,300 units eligible for interview in 1985. Sample units, selected within 394 PSU's, were surveyed over a 5-month period.

Data Collection and Imputation Procedures: For 1985, the survey was conducted by personal interviews. The interviewers obtained the information from the occupants or, if the unit was vacant, from informed persons such as landlords, rental agents, or knowledgeable neighbors.

Estimates of Sampling Error: For the national sample, illustrations of the S.E. of the estimates are provided in the appendix B of the 1985 report. As an example, the estimated CV is about .5% for the estimated percentage of owner occupied units with 2 persons.

Other (nonsampling) Errors: Response rate was about 96%. Nonsampling errors may result from incorrect or incomplete responses, errors in coding and recording, and processing errors. For the 1985 national sample, approximately 6% of the total housing inventory was not adequately represented by the AHS sample.

Sources of Additional Material: U.S. Bureau of the Census, *Current Housing Reports*, series H-150 and H-170, *American Housing Survey*.

(See section 1 above for information pertaining to the Census of Population and section 15 pertaining to table 1239.)

SECTION 27. MANUFACTURES

Source and Title: U.S. Bureau of the Census, *Census of Manufactures*

Tables: See tables citing *Census of Manufactures* in source notes in section 27 and also table 912 in section 18 and tables 1394 and 1399 in section 30.

Universe, Frequency, and Types of Data: Conducted every five years to obtain information on labor materials, capital input and output characteristics, plant location, and legal form of organization for all plants in the United States with one or more employees. Universe was 350,000 manufacturing establishments in 1982.

Type of Data Collection Operation: Complete enumeration of data items obtained from 205,000 firms. Administrative records from Internal Revenue Service and Social Security Administration are used for 145,000 smaller single-location firms, which were determined by various cutoffs based on size and industry.

Data Collection and Imputation Procedures: Five mail and telephone followups for larger nonrespondents. Data for small single-location firms (generally those with fewer than 10 employees) not mailed census questionnaires were estimated from administrative records of IRS and SSA.

Data for nonrespondents were imputed from related responses or administrative records from IRS and SSA. Approximately 3.7% of total value of shipments was represented by fully imputed records in 1977 (1982 not available).

Estimates of Sampling Error: Not applicable.

Other (nonsampling) Errors: Based on evaluation studies, estimates of nonsampling errors for 1972 were about 1.3% for estimated total payroll; 2% for total employment; and 1% for value of shipments. Estimates for later years are not available.

Sources of Additional Material: U.S. Bureau of the Census, *Census of Manufactures, 1977*, vol. 1, *Subject and Special Statistics*.

Source and Title: U.S. Bureau of the Census, *Annual Survey of Manufactures*

Tables: See tables citing *Annual Survey of Manufactures* in source notes.

Universe, Frequency, and Types of Data: Conducted annually to provide basic measures of manufacturing activity for intercensal years for all manufacturing establishments having one or more paid employees.

Type of Data Collection Operation: Sampling frame is 350,000 establishments in the 1982 Census of Manufactures (see above), supplemented by Social Security Administration lists of new manufacturers and new manufacturing establishments of multi-establishment companies identified annually by the Census Bureau's Company Organization Survey. A probability sample of 55,000 establishments is selected. All establishments of companies with more than \$550 million of manufacturing shipments in 1982 are included with certainty. All establishments with 250+ employees are also included along with a probability sample of smaller establishments.

Data Collection and Imputation Procedures: Survey is conducted by mail with phone and mail followups of nonrespondents. Imputation (for all nonresponse items) is based on previous year reports, or for new establishments in survey, on industry averages.

Estimates of Sampling Error: Estimated CV's for number of employees, new expenditure, and for value added totals are given in annual publications. For U.S. level industry statistics, most estimated CV's are 2% or less, but vary considerably for detailed characteristics.

Other (nonsampling) Errors: Response rate is about 85%. Nonsampling errors include those due to collection, reporting, and transcription errors, many of which are corrected through computer and clerical checks.

Sources of Additional Material: U.S. Bureau of the Census, *Annual Survey of Manufactures*, and Technical Paper 24.

SECTION 28. DOMESTIC TRADE AND SERVICES

Source and Title: U.S. Bureau of the Census, *Census of Wholesale Trade, Census of Retail Trade, Census of Service Industries*

Tables: See tables citing the above censuses in source notes in section 28 and table 1399 in section 30.

Universe, Frequency, and Types of Data: Conducted every five years to obtain data on number of establishments, number of employees, total payroll size, and total sales. In 1977, universe was all employer establishments primarily engaged in wholesale trade, and employer and nonemployer establishments in retail trade or service industries. In 1982, for service industries and retail trade summary data for all establishments are available; kind of business detail by State is available only for establishments with payroll.

Type of Data Collection Operation: All wholesale firms with paid employees surveyed; all retail and service large employer firms surveyed (i.e. all employer firms above the payroll size cutoff established to separate large from small employers) plus a 10-percent sample of smaller employer firms. Firms with no employees were not required to file a census return.

Data Collection and Imputation Procedures: Mail questionnaire is utilized with both mail and telephone followups for nonrespondents. Data for nonrespondents and "nonselected" firms in retail trade and service industries are obtained from administrative records of IRS and the Social Security Administration.

Estimates of Sampling Error: Not applicable.

Other (nonsampling) Errors: Response rate in 1982 of 87% for single establishment firms; 91% for multi-establishment firms. Item response ranged from 60% to 90% with higher rates for less detailed questions.

Sources of Additional Material: U.S. Bureau of the Census, Appendix A of *Census of Retail Trade; Census of Service Industries; Census of Wholesale Trade; and History of the 1982 Economic Censuses*, February 1987.

Source and Title: U.S. Bureau of the Census, *Current Business Surveys*

Tables: 1328-1331, and 1343.

Universe, Frequency, and Types of Data: Provides monthly estimates of retail sales by kind of business and geographic area, and end-of-month inventories of retail stores; wholesale sales and end-of-month inventories; and annual receipts of selected service industries. (Service monthly survey discontinued after Dec. 1981.)

Type of Data Collection Operation: Probability sample of all firms from a list frame and, additionally, for retail and service an area frame. List frame is the Bureau's Standard Statistical Establishment List (SSEL) updated quarterly for recent "births" from the Social Security Administration list of establishments having an employer identification number. The largest firms are included monthly; a sample of others is included every three months on a rotating basis. The area frame covers businesses not subjected to sampling on the list frame.

Data Collection and Imputation Procedures: Data are collected by mail questionnaire with telephone followups for nonrespondents. Imputation made for each nonresponse item and each item failing edit checks.

Estimates of Sampling Error: For 1986, CV's are about .7% for estimated total retail sales, 1.5% for wholesale sales, 1.3% for wholesale inventories. For dollar volume of receipts, CV's from the *Service Annual Survey* vary by kind of business and range between 1.5% to 15.0%. Sampling errors are shown in monthly publications.

Other (nonsampling) Errors: Imputation rates are about 18%-23% for monthly retail sales and wholesale sales and about 25%-30% for monthly wholesale inventories and 14% for the *Service Annual Survey*.

Sources of Additional Material: U.S. Bureau of the Census, *Current Business Reports*, *Monthly Retail Trade*, *Monthly Wholesale Trade*, and *Service Annual Survey*.



Appendix IV

Index to Tables Having Historical Statistics, Colonial Times to 1970 Series

[The most recent historical supplement to the *Statistical Abstract* is the bicentennial edition, *Historical Statistics of the United States, Colonial Times to 1970* (see inside back cover). Listed below are statistical time series (identified by number) appearing in this edition, for which tables in the *Statistical Abstract* present comparable figures. Historical series are listed only where related or comparable data are available for one or more years later than 1970. In a few instances, it may be necessary to combine figures shown in the *Abstract* to obtain totals comparable to the series shown in *Historical Statistics*.]

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A 6-8	2	C 143-157	296	H 172-185	575	J 33-34	1141
A 23-25	13	C 144	296	H 197-229	578	J 41-42	525
A 29-41	13	C 149-157	406	H 238-242	577	J 50-66, 71, 76	333
A 119-134	21	C 158-160	296	H 262-270	585	J 92-103	350
A 143-149	18	C 296-331	405	H 305-317	588	J 110-136	350
A 156-159	80			H 332-345	589	J 164-267	350
A 158-159	127			H 346-354	605	J 268-278	350
A 160-171	22	D		H 355-367	604		
A 172	22	D 11-19	622	H 392-397	583	K	
A 195-196	27	D 29-41	624	H 398-411	615		
A 204-209	331	D 42-48	621	H 421-428	199	K 1-2	1075
A 210-263	33	D 49-62	636	H 442-476	206	K 4-7	1078
A 264-275	56	D 85-86	622	H 513-519	200	K 16	1088
A 288-319	60	D 87-101	647	H 535-544	234	K 82-113	1083
A 320-334	61	D 116-120	626	H 598-601	244	K 142-146	1082
A 335-349	66	D 127-141	655	H 602-617	212	K 162-173	1081
A 353-358	76	D 142-151	657	H 690-692	248	K 174-176	1075
A 359-371	76	D 689-704	659	H 699-705	247	K 184-191	1107
		D 802-810	657	H 705	248	K 192	1095
		D 877-892	657	H 710	247	K 195-203	1105
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B 116-125	113	F 10-16	705	H 874	387	K 376-380	1111
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B 163-165	110	G 1-8	720	H 921-940	403	K 445-485	1110
B 167-173	110	G 15-23	720	H 946-951	277	K 486-496	1108
B 181-192	132	G 31-138	722	H 952-961	277	K 496-499	1112
B 214-217	137	G 179-188	726	H 971-978	282	K 502-505	1124
B 218	137	G 190-192	720	H 979-986	126	K 506-563	1121
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